W. M. Alden

EMERGENCY PLAN PROCEDURES INDEX

PEACH BOTTOM UNITS 2 AND 3

Number	Title	Review Date	Rev. No.	Revision Date	
EP-101	Classification of Emergencies	01/10/84	8	01/10/84	
EP-102	Unusual Event Response	09/15/84	9	09/15/84	*
EP-103	Alert Response	09/20/84	10	09/20/84	*
EP-104	Site Emergency Response	09/21/84	10	09/21/84	*
EP-105	General Emergency Response	09/21/84	10	09/21/84	*
EP-110	Personnel Assembly and Accountability	06/20/83	1	06/20/83	
EP-201	Technical Support Center (TSC) Activation	08/01/83	6	08/01/83	
EP-202	Operations Support Center (OSC) Activation	10/27/83	5	10/27/83	
EP-203	Emergency Operations Facility (EOF) Activation	08/01/83	6	08/01/83	
EP-205	D E L E T E D	D E L E T E D			*
EP-205A	Chemistry Sampling and Analysis Group	09/18/84	5	09/18/84	*
EP-205A .1	Operation of Post Accident Sampling Station	09/20/84	5	09/20/84	*
EP-205A .2	Obtaining Drywell Gas Samples from Containment Atmosphere Dilution Cabinets	05/26/82	0	05/26/82	
EP-205A .3	Retrieving and Changing Sample Filters and Cartridges from the Drywell Radiation Monitor During Emergencies	04/25/83	1	04/25/83	
EP-205A .4	Obtaining Drywell Gas Samples from the Drywell Radiation Monitor Sampling Station	05/25/82	0	05/25/82	
EP-205A .5	Obtaining Reactor Water Samples from Sample Sinks Following Accident Conditions	05/25/82	0	05/25/82	
EP-205A .6	Obtaining Canal Discharge Water Samples Following Radioactive Liquid Releases After Accident Conditions	05/25/82	0	05/25/82	

8411070182 841011
PDR ADOCK 05000277
F PDR

EMERGENCY PLAN PROCEDURES INDEX

PEACH BOTTOM UNITS 2 AND 3

Number	Title	Review Date	Rev. No.	Revision Date	
EP-205A .7	Obtaining the Iodine and Particulate Samples from the Main Stack and Roof Vents Following Accident Conditions	11/21/83	2	11/21/83	
EP-205A .8	Obtaining Liquid Radwaste Samples from Radwaste Sample Sink Following Accident Conditions	05/25/82	0	05/25/82	
EP-205A .9	Obtaining Samples from Condensate Sample Sink Following Accident Conditions	05/25/82	0	05/25/82	
EP-205A .10	Obtaining Off-Gas Samples from the Off-Gas Hydrogen Analyzer Following Accident Conditions	05/25/82	0	05/25/82	
EP-205A .11	Sample Preparation and Handling of Highly Radioactive Liquid Samples	02/29/84	2	02/29/84	
EP-205A .12	Sample Preparation and Handling of Highly Radioactive Particulate Filters and Iodine Cartridges	01/10/84	3	01/10/84	
EP-205A .13	Sample Preparation and Handling of Highly Radioactive Gas Samples	02/29/84	2	02/29/84	
EP-205A .14	Offsite Analysis of High Activity Samples	11/23/83	0	11/23/83	
EP-205A .15	Guidelines for the Order of Analysis on Post-Accident Samples	02/29/84	0	02/29/84	
EP-205B	Radiation Survey Groups	09/18/84	5	09/18/84	*
EP-205C	Personnel Dosimetry Bioassay and Respiratory Protection Group	09/20/84	3	09/20/84	*
EP-206	D E L E T E D	D E L E T E D			
EP-206A	Fire Fighting Group	01/10/84	6	01/10/84	
EP-206B	Damage Repair Group	05/31/83	3	05/31/83	
EP-207	Personnel Safety Team Activation	09/20/84	6	09/20/84	*
EP-207A	Search and Rescue	04/13/83	3	04/13/83	
EP-207B	D E L E T E D	D E L E T E D			
EP-207C	First Aid	02/29/84	4	02/29/84	

EMERGENCY PLAN PROCEDURES INDEX

PEACH BOTTOM UNITS 2 AND 3

Number	Title	Review Date	Rev. No.	Revision Date	
EP-207D	Evacuation Assembly Group	04/25/83	3	04/25/83	
EP-207E	Vehicle and Evacuee Control Procedure	08/01/83	2	08/01/83	
EP-207F	Vehicle Decontamination Procedure	05/31/83	1	05/31/83	
EP-208	Security Team	05/31/83	1	05/31/83	
EP-209	Telephone List For Emergency Use	09/21/84	7	09/21/84	*
EP-209 Appendix A	Immediate Notification Call List	08/23/83	8	06/24/83	
EP-209 Appendix B	D E L E T E D	D E L E T E D			
EP-209 Appendix C	Peach Bottom Station Supervision	09/21/84	13	09/21/84	*
EP-209 Appendix D-1	On Site Emergency Team Leaders	07/19/84	9	07/19/84	
EP-209 Appendix D-2	Radiation Protection Team	07/19/84	13	07/19/84	
EP-209 Appendix D-3	Fire and Damage Team	08/27/84	11	08/27/84	
EP-209 Appendix D-4	Personnel Safety Team	07/19/84	13	07/19/84	
EP-209 Appendix D-5	Security Team	07/19/84	8	07/19/84	
EP-209 Appendix D-6	Re-Entry and Recovery Team	08/23/83	3	04/11/83	
EP-209 Appendix D-7	Technical Support Center Group	09/15/84	13	09/15/84	*
EP-209 Appendix D-8	Chemistry Sampling & Analysis Team	09/20/84	0	09/20/84	*
EP-209 Appendix E	Corporate Emergency Team Leaders and Support Personnel	01/10/84	10	01/10/84	
EP-209 Appendix F	U. S. Government Agencies	08/23/83	5	06/24/83	

EMERGENCY PLAN PROCEDURES INDEX

PEACH BOTTOM UNITS 2 AND 3

Number	Title	Review Date	Rev. No.	Revision Date
EP-209 Appendix G	Emergency Management Agencies	08/23/83	3	04/11/83
EP-209 Appendix H	Company Consultants	01/10/84	8	01/10/84
EP-209 Appendix I-1	Field Support Personnel	09/20/84	15	09/20/84 *
EP-209 Appendix I-2	Chemistry & Health Physics Contractor Call List	09/15/84	12	09/15/84 *
EP-209 Appendix J	Nearby Public and Industrial Users Of Downstream Waters	08/23/83	5	06/24/83
EP-209 Appendix K	Miscellaneous	08/23/83	6	06/24/83
EP-209 Appendix L	Local PECo Phones	03/08/84	5	03/08/84
EP-209 Appendix M	D E L E T E D	D E L E T E D		
EP-209 Appendix N	Medical Support Groups	08/23/83	6	06/24/83
EP-209 Appendix P	Staffing Augmentation - 60 Minute Call Procedure	01/10/84	8	01/10/84
EP-210	Dose Assessment Team	09/18/84	1	09/18/84 *
EP-301	Operating the Evacuation Alarm and Pond Page System	12/23/82	1	12/23/82
EP-303	Partial Plant Evacuation	06/20/83	2	06/20/83
EP-304	D E L E T E D			
EP-305	Site Evacuation	06/21/83	5	06/21/83
EP-306	Evacuation of the Information Center	05/25/82	2	05/25/82
EP-307	Reception and Orientation of Support Personnel	09/18/84	1	09/18/84 *
EP-311	Handling Personnel with Serious Injuries, Radioactive Contamination Exposure, or Excessive Radiation			

EMERGENCY PLAN PROCEDURES INDEX

PEACH BOTTOM UNITS 2 AND 3

Number	Title	Review Date	Rev. No.	Revision Date	
	Exposure Emergency Director Functions	04/08/82	3	04/08/82	
EP-312	Radioactive Liquid Release (Emergency Director Functions)	09/20/84	2	09/20/84	*
EP-313	Control of Thyroid Blocking (KI) Tablets	09/20/84	1	09/20/84	*
EP-316	Cumulative Population Dose Calculations	09/20/84	5	09/20/84	*
EP-316A	Reading the Rapid Dose Assessment I Program into the TI-59	08/21/84	0	08/21/84	
EP-316B	Calculating Rapid Dose Assessment on the TI-59	08/21/84	0	08/21/84	
EP-317	Direct Recommendations to County Emergency Management and Civil Defense Agencies	05/31/83	2	05/31/83	
EP-318	Liquid Release Dose Calculation Method for Intake Water at Downstream Facilities	04/13/83	1	04/13/83	
EP-319	Liquid Release Dose Calculation Method for Fish	04/13/83	1	03/13/83	
EP-320	Procedure for Leaking Chlorine	03/12/82	1	03/12/82	
EP-325	Use of the Containment Radiation Monitor to Estimate Release Source Term	06/09/82	0	06/09/82	
EP-401	Entry for Emergency Repair and Operations	09/15/84	5	09/15/84	*
EP-500	Review and Revision of Emergency Plan (FSAR Appendix O)	04/01/81	0	04/01/81	

CONTROLLED APPROVED COPY—
VOID PREVIOUS ISSUE
DISTRIBUTION PAR A-2

9-15-84

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM UNITS 2 AND 3
EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-102 - UNUSUAL EVENT RESPONSE

PURPOSE

To define site response to an Unusual Event.

REFERENCES

1. Peach Bottom Atomic Power Station Emergency Plan
2. NUREG 0654
3. GP-15 Local Evacuation
4. EP-101 Classification of Emergencies

APPENDIX

EP 102-1 Unusual Event Notification Checkoff List
EP 102-2 Unusual Event De-escalation Checkoff List

IMMEDIATE ACTIONS

1.0 Shift Supervision shall:

1.1 Assume the role of Interim Emergency Director.

1.2 Activate Emergency Teams as necessary.

1.3 Direct the evacuation of affected areas as necessary. Refer to the following procedure:

GP-15 Local Evacuation

1.4 Contact the Station Superintendent and the Shift Technical Advisor and inform them of the situation.

1.5 Fill out the Standard Prompt Notification message in Appendix EP 102-1 or 102-2, and direct the communicator (PO or higher) to notify the appropriate parties.

DO NOT USE BLUE RINGDOWN PHONE FOR THESE CALLS.

1.6 Closely monitor conditions to determine present hazards to personnel and potential accident conditions that may develop.

2.0 Communicator shall:

2.1 Using the Standard Prompt Notification message notify the appropriate parties in Appendix EP-102-1 or 102-2. (See Appendix A for additional telephone numbers).

FOLLOW-UP ACTIONS

1.0 Emergency Director shall:

1.1 Periodically evaluate the event classification in accordance with EP 101, Classification of Emergencies and escalate or deescalate the classification as necessary.

If classification is de-escalated, fill out Appendix EP-102-2, and direct the communicator to notify the appropriate parties.

DO NOT USE THE BLUE RING-DOWN PHONES FOR THESE CALLS.

1.2 Direct the Shift Clerk to contact additional support personnel that are necessary for emergency functions.

2.0 Shift Clerk shall:

2.1 Notify additional support personnel to report to the plant as directed by the Emergency Director.

APPENDIX EP 102-1
UNUSUAL EVENT NOTIFICATION CHECKOFF LIST

MESSAGE: THIS IS PEACH BOTTOM ATOMIC POWER STATION CALLING TO REPORT AN UNUSUAL EVENT. PLEASE CONNECT ME TO THE APPROPRIATE AUTHORITY. THIS (IS) (IS NOT) A DRILL. THIS (IS) (IS NOT) A DRILL. THIS IS PEACH BOTTOM ATOMIC POWER STATION CALLING TO REPORT AN UNUSUAL EVENT HAS BEEN DECLARED ON UNIT NO.___. THIS IS NOT AN EMERGENCY CONDITION. TIME AND DATE OF UNUSUAL CLASSIFICATION IS_______. THE BASIC PROBLEM IS______________________ ___________________________. THE PLANT STATUS IS (STABLE AND ALL PERSONNEL AND EQUIPMENT ARE IN A SAFE CONDITION, THEREFORE THERE WILL BE NO FURTHER Notification) (STABLE) (IMPROVING) (DEGRADING) (NOT KNOWN). THERE (HAS BEEN) (HAS NOT BEEN) AND (AIRBORNE) (LIQUID) RADIOACTIVE RELEASE FROM THE PLANT. PROTECTIVE ACTIONS RECOMMENDED ARE (NONE)______________________ THE AFFECTED POPULATION AREA IS (NONE)______________________. MY NAME IS ______________________. THIS (IS) (IS NOT) A DRILL.

Notifications:

Party	Name of Person Responding	Time of Notification	Communicator's Initials
Station Supt.			
Load Dispatcher [redacted]			
Pennsylvania Emergency Management Agency [redacted]			
York County Emergency Management Agency [redacted]			
PA. Bureau of Rad. Protection (White Phone or [redacted]			

APPENDIX EP 102-1 (Cont'd)
UNUSUAL EVENT NOTIFICATION CHECKOFF LIST

NRC Operations Center Red Phone	______	______	______
Manager-Public Information [redacted] or pager [redacted]	______	______	______
PBAPS Guard Sergeant [redacted]	______	______	______

Time Notifications of above parties completed__________.

Verified By __________ (Emerg. Director) Date __________

APPENDIX EP 102-2
UNUSUAL EVENT DE-ESCALATION CHECKOFF LIST

MESSAGE: THIS IS PEACH BOTTOM ATOMIC POWER STATION CALLING TO DE-ESCALATE AN UNUSUAL EVENT. PLEASE CONNECT ME WITH THE APPROPRIATE AUTHORITY. THIS (IS) (IS NOT) A DRILL. THIS (IS) (IS NOT) A DRILL. THIS IS PEACH BOTTOM ATOMIC POWER STATION CALLING TO REPORT THE TERMINATION OF AN UNUSUAL EVENT. THERE IS NO POTENTIAL FOR SAFETY DEGRADATION. MY NAME IS ________________. TIME AND DATE IS ______________. THIS (IS) (IS NOT) A DRILL.

Notifications:

Party	Name of Person Responding	Time of Notification	Communicator's Initials
Station Supt.	____________	________	________
Load Dispatcher [redacted]	____________	________	________
Pennsylvania Emergency Management Agency [redacted]	____________	________	________
York County Emergency Management Agency [redacted]	____________	________	________
PA. Bureau of Rad. Protection (White Phone or [redacted]	____________	________	________
NRC Operations Center (Red Phone)	____________	________	________
Manager-Public Information [redacted] or pager [redacted]	____________	________	________
PBAPS Guard Sergeant [redacted]	____________	________	________

Time Notifications of above parties completed ________________.

Verified By ________________ Date __________
(Emerg. Director)

9-20-84

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 AND 3

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-103 ALERT RESPONSE

PURPOSE

To define site response to an Alert.

REFERENCES

1. Peach Bottom Atomic Power Station Emergency Plan

2. NUREG 0654

3. GP-15 Local Evacuation

4. EP-101 Classification of Emergencies

APPENDICES

EP-103-1 Alert Notification Checkoff List
EP-103-2 Personnel Call Record
EP-103-3 Emergency Exposure Limits (Emergency Plan Table 6.1)
EP-103-4 Alert, Deescalation Notification Check-off List

PRECAUTIONS

1. Planned radiation exposures should be limited to the administrative guide levels in Appendix EP-103-3, Emergency Exposure Limits.

IMMEDIATE ACTIONS

1.0 Shift Supervision shall:

1.1 Assume the role of Interim Emergency Director.

1.2 Activate Emergency Teams as necessary.

1.3 Direct the evacuation of affected areas as necessary. Refer to the following procedures:

GP-15 Local Evacuation

EP-303 Partial Plant Evacuation

EP-305 Site Evacuation

EP-306 Evacuation of the Information Center

1.4 Contact the Station Superintendent and the Shift Technical Advisor, inform them of the situation.

1.5 Fill out the Standard Prompt Notification message check-off Appendix EP-103-1 and give it to the Communicator (PO or higher classification) and direct the Communicator to commence notification of the appropriate parties as specified in Section 2.1 of this procedure. The Communicator shall man the NRC RED telephone on a continuous basis if required by procedure A-31. If Communicator is required for urgent plant operations related to the emergency, the concurrence for securing the phone should be obtained from the NRC prior to securing this telephone.

1.6 Direct the Shift Clerk to activate the 60 minute call list using EP-209 APP P. If Shift Clerk is not available, this function shall be assigned to any available individual.

1.7 Direct one of the on-shift I&C Technicians to activate the Technical Support Center and Emergency Operations Facility in accordance with EP-201 and EP-203. Inform shift clerk which I&C technicial will activate the centers at Unit 1 in order that the clerk will know which remaining I&C technician to call for the prompt mobilization procedure.

1.8 Direct the Personnel Safety Team Leader to initiate on-site radiation surveys as necessary, in accordance with EP-205B, Radiation Survey Groups.

1.9 Assign an Operations Support Center Coordinator (senior shift PO or APO available) and direct available shift personnel to report to the Operations Support Center on 135' elev. turbine bldg. and to activate it in accordance with EP-202, if habitable. If this Operations Support Center is NOT habitable, direct shift personnel to report to the Control Room.

1.10 Closely monitor conditions to determine present hazards to personnel and potential accident conditions that may develop.

1.11 If release has occurred, dispatch a Plant Survey Group member to obtain a site boundary dose rate as soon as practicable.

1.12 If necessary, initiate implementation of EP-317 & EP-316. Direct recommendations to County Emergency Management Agencies and cumulative population dose calculations.

2.0 Communicator shall:

2.1 Perform notifications on Appendix 103-1 using the alert Notification Check Off Appendix EP-103-1. See EP-209, Appendix A for additional telephone numbers.

2.2 Report to the Emergency Director or Interim Emergency Director when notifications are complete.

2.3 Man the RED NRC telephone if required by A-31 until situation stabilizes and RED telephone communication may be secured.

3.0 Operations Support Center Coordinator or his designee shall:

3.1 Activate the Operations Support Center on 135' elev. turbine bldg., if it is habitable, in accordance with EP-202. If this Operations Support Center is not habitable, report to the Control Room.

4.0 Personnel Safety Team Leader shall:

4.1 Initiate onsite radiation surveys in accordance with EP-205B, Radiation Survey Groups when directed by the Emergency Director. (The HP field office on 116' elev. turb. bldg. will serve as the HP&C OSC).

5.0 Shift I&C Technician shall:

5.1 Activate the TSC and EOF when directed by Interim Emergency Director in accordance with EP-201 using Appendix EP-201-2.

6.0 Shift Clerk shall:

6.1 Contact individuals on EP-209 APP P to call in those individuals to man TSC and required Emergency Teams (60 minute call list). Document contacts on EP-209 APP P.

6.2 Inform Interim Emergency Director or Emergency Director when contacts are completed.

FOLLOW-UP ACTIONS

1.0 Emergency Director shall:

1.1 Periodically evaluate the event classification in accordance with EP-101, Classification of Emergencies, and escalate or deescalate the classification, as necessary.

1.2 Obtain the results of the Cumulative Population Dose Calculations from the Dose Assessment Team Leader and onsite radiation surveys from the Personnel Safety Team Leader, as necessary.

1.3 Perform actions as necessary to mitigate conditions of the emergency situation.

1.4 Determine which additional support personnel are necessary for emergency functions and direct the Shift Clerk or other assigned communicator in TSC to contact those personnel.

1.5 Provide site personnel with P.A. speaker announcements for any major changes in plant emergency status, such as changing emergency action levels and evacuations.

2.0 Station Superintendent shall:

2.1 Report to the Technical Support Center or Control Room for a briefing of the situation.

2.2 Assume the role of Emergency Director by formally relieving the Interim Emergency Director (Shift Superintendent). Announce that he has assumed the role of Emergency Director to the assembled Technical Support Center personnel.

2.3 Verify the emergency classification.

2.4 Verify that the Technical Support Center, the Emergency Operations Facility, and the Operations Support Center have been activated.

3.0 Operations Support Center Coordinator shall:

3.1 Notify the Interim Emergency Director when their respective Operations Support Center is activated.

3.2 Support the Control Room and Shift Supervision as necessary.

4.0 Dose Assessment Team Leader shall:

4.1 Report progress and results of Cumulative Population Dose Calculations to the Emergency Director as necessary.

5.0 Personnel Safety Team Leader shall:

5.1 Report progress and results of onsite radiation surveys to the Emergency Director as necessary.

6.0 Shift Clerk or assigned TSC communicator shall:

6.1 Notify additional support personnel to report to the plant as directed by the Interim Emergency Director. Refer to EP-209. Document on APP EP-103-2.

6.2 Notify the Interim Emergency Director when the additional support personnel have been notified.

7.0 Shift I&C Technician shall:

7.1 Inform the Interim Emergency Director when the TSC and EOF are activated.

7.2 Station himself at the TSC as data display (CCTV) operator as directed by the Emergency Director.

APPENDIX EP-103-1
ALERT CHECKOFF LIST

MESSAGE: This (is) (is not) a drill. This (is) (is not) a drill. This is Peach Bottom Atomic Power Station calling to report an Alert has been declared on Unit No. ____. Time and date of Alert classification is __________. The basic problem is ______________________________ ____.

The plant status is (stable) (improving) (degrading) (not known). There (is presently) (has not been) (is potential for) (has been) a radioactive (airborne) (liquid) release from the plant (at a level below that considered a public hazard) (at a level at which protective action is advisable). Recommended protective actions are (none) ______________________________ ______________________________. The affected population area is (none) ______________________________. My name is __________ __________. This (is) (is not) a drill. This (is) (is not) a drill.

NOTIFICATIONS:

PARTY	PERSON RESPONDING	TIME OF NOTIFICATION	COMMUNICATOR'S INITIALS
Station Superintendent	________	________	________
Load Dispatcher [redacted] (Tell him to initiate call list "C")	________	________	________
Pennsylvania Emergency Management Agency* (Blue Phone or [redacted]	________	________	________
Maryland Civil Defense Agency (Blue Phone or [redacted]	________	________	________
York County Emergency Management Agency (Blue Phone or [redacted]	________	________	________

APPENDIX EP-103-1 (Cont'd)
ALERT CHECKOFF LIST

Lancaster County Emergency Management Agency (Blue Phone or [redacted]	________	________	________
Chester County Emergency Management Agency (Blue Phone or [redacted]	________	________	________
Harford County Civil Defense Agency (Blue Phone or [redacted]	________	________	________
Cecil County Civil Defense Agency (Blue Phone or [redacted]	________	________	________
NRC Operations Center (Red Phone)	________	________	________
PA BRP (White Phone or [redacted]	________	________	________
PBAPS Guard Sergeant [redacted]	________	________	________

Time notifications of parties above completed ______________.

Verified By________________ Date ________
Emergency Director

*Must notify PEMA by use of commercial telephone no. on backshifts. (Blue Phone not manned by PEMA on backshifts).

File under Sys-3-1

APPENDIX EP-103-2
PERSONNEL CALL RECORD

		Disposition of Call			
Name of Person Called	Time Called	No Answer	Busy	Estimated Time of Arrival	Call Completed By

APPENDIX EP 103-3
Emergency Exposure Limits

	Function	Projected Whole Body Dose	Thyroid Dose	Authorized By
1.	Life Saving and Reduction of Injury	75 rem*	375 rem	Emergency** Director
2.	Operation of Equipment to Mitigate an Emergency	25 rem*	125 rem	Emergency** Director
3.	Protection of Health and Safety of the Public	5 rem	25 rem	Emergency Director
4.	Other Emergency Activities	10 CFR 20 limits	10 CFR 20 limits	Emergency Director
5.	Re-entry/Recovery Activities	Administrative Guidelines	Administrative Guidelines	N/A

*Reference: EPA-520/1-75-001 Table 2.1
**Such exposure shall be on a voluntary basis

APPENDIX EP-103-4
ALERT, DEESCALATION NOTIFICATION CHECK-OFF LIST

MESSAGE: This (is) (is not) a drill. This (is) (is not) a drill.

This is Peach Bottom Atomic Power Station calling to report a change in emergency action level. The alert has been deescalated to an Unusual Event. Time and date is __________. The basic problem is ______________________ ____________________________. The plant status is (stable) (improving) (degrading) (not known). There (has been) (has not been) an (airborne) (liquid) radioactive release from the plant. Protective actions recommended are (none) ________________________. The affected population area is (none) ________________________. My name is ________________. This (is) (is not) a drill.

Notifications:

Party	Person Responding	Time of Notification	Communicator's Initials
Station Superintendent	________	________	________
Load Dispatcher [redacted] (Tell him to initiate call list "C")	________	________	________
Pennsylvania Emergency Management Agency* (Blue phone or [redacted]	________	________	________
Maryland Civil Defense Agency (Blue phone or [redacted]	________	________	________
York County Emergency Management Agency (Blue phone or [redacted]	________	________	________
Lancaster County Emergency Management Agency (Blue phone or [redacted]	________	________	________

APPENDIX EP-103-4
ALERT, DEESCALATION NOTIFICATION CHECK-OFF LIST

Chester County Emergency Management Agency (Blue phone or [redacted]	______	______	______
Harford County Civil Defense Agency (Blue phone o[redacted]	______	______	______
Cecil County Civil Defense Agence (Blue phone or [redacted]	______	______	______
Pennsylvania State Police - York [redacted]	______	______	______
PA. BRP (White Phone or [redacted]	______	______	______
NRC Operations Center** (Red Phone)	______	______	______
PBAPS Guard Sergeant [redacted]	______	______	______

Time notification of parties above completed.______________

Verified by ________________ Date __________
Emergency Director

File Sys-3-1

* Must notify PEMA by use of commercial telephone no. on backshifts. (Blue phone not manned by PEMA on backshifts).

CONTROLLED APPROVED COPY-
VOID PREVIOUS ISSUE
DISTRIBUTION PER A-2

9-21-84

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM UNITS 2 AND 3
EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-104 SITE EMERGENCY RESPONSE

PURPOSE

To define the site response to a Site Emergency.

REFERENCES

1. Peach Bottom Atomic Power Station Emergency Plan
2. NUREG 0654
3. EP-101 Classification of Emergencies

APPENDICES

EP 104-1 Site Emergency Notification Checkoff List
EP-104-2 Personnel Call Record
EP 104-3 Emergency Exposure Limits (Emergency Plan Table 6.1)
| EP-104-4 Site Emergency Deescalation Notification Checkoff List

PRECAUTIONS

1. Planned radiation exposures should be limited to the administration guide levels in Appendix EP 104-3, Emergency Exposure Limits.

IMMEDIATE ACTIONS

1.0 Shift Supervision shall:

1.1 Assume the role of Interim Emergency Director.

1.2 If not already done at an earlier emergency action level, activate Emergency Teams as necessary.

1.3 Contact the Station Superintendent and the Shift Technical Advisor, inform them of the situation.

1.4 Fill out Appendix EP 104-1 Standard Prompt Notification Message and give it to the Communicator (PO or higher classification) and Direct the Communicator to commence notification of the appropriate parties as specified in Section 2.1 of this procedure. The Communicator shall man the NRC RED Telephone on a continuous basis, if required by A-31. If Communicator is required for urgent plant operations related to the emergency, the concurrence for securing the phone should be obtained from NRC prior to securing this telephone.

1.5 If not already accomplished at the ALERT stage, direct the shift clerk to activate the 60 minute call list using EP 209 APP P. If shift clerk is not available, this function may be assigned to any available individual.

1.6 Direct one of the on-shift I&C technicians to activate the Technical Support Center and Emergency Operations Facility in accordance with EP 201 and 203 if not already activated. If not already performed previously, inform the shift clerk which I&C Technician will activate the centers at Unit 1 in order to let the clerk know which remaining I&C Technician to call for the prompt mobilization procedure.

1.7 Direct the Dose Assessment Team Leader to initiate off site radiation surveys, as necessary, if not already done in accordance with EP 205B, Radiation Survey Groups.

1.8 Direct the Personnel Safety Team Leader to initiate on-site radiation surveys as necessary, if not already done in accordance with EP-205B Radiation Survey Groups.

1.9 Assign an Operations Support Center coordinator (Senior PO or APO available) if not already done and direct available shift personnel to report to this Operations Support Center and to activate it in accordance with EP 202 if habitable. If this Operations Support Center is not habitable, direct shift personnel to report to the Control Room.

1.10 Closely monitor conditions to determine present hazards to personnel and potential accident conditions that may develop.

1.11 If release has occurred, dispatch a plant survey team member to obtain a site boundary dose rate as soon as practicable.

1.12 If necessary, initiate implementation of EP-317 and EP-316, Direct Recommendations to County Emergency Management Agencies, and Cumulative Population Dose Calculations.

1.13 Declare a site evacuation in accordance with EP-305 "Site Evacuation" if not already initiated.

2.0 Communicator shall:

2.1 Perform notifications on Appendix 104-1 using the Standard Prompt Notification Message included. See EP-209 Appendix A for additional telephone numbers, if required.

2.2 Report to the Emergency Director when the notifications are completed.

2.3 Man the RED NRC telephone if required by A-31 until situation stabilizes and RED telephone communications may be secured.

3.0 Operations Support Center Coordinator or his designee shall:

3.1 Activate the Operations Support Center on 135' elev turb bldg, if it is habitable, in accordance with EP 202. If this Operations Support Center is NOT habitable report to the Control Room.

4.0 Dose Assessment Team Leader shall:

4.1 Initiate off site radiation surveys in accordance with EP 205B, Radiation Survey Groups, when directed by the Emergency Director.

5.0 Personnel Safety Team Leader shall:

5.1 Initiate on-site radiation surveys in accordance with EP-205B Radiation Survey Groups when directed by the Emergency Director.

6.0 Shift I&C Technician shall:

6.1 Activate the TSC and EOF (if not already activated during ALERT stage) in accordance with EP 201 using Appendix EP-201-2 and procedure EP-203.

7.0 Shift Clerk shall:

7.1 If not already implemented during ALERT stage, contact individuals on EP 209 APP P to call in those individuals to man TSC and EOF (60 minute call list). Document contacts on EP 209 APP P.

7.2 Inform Interim Emergency Director or Emergency Director when contacts are completed.

FOLLOW-UP ACTIONS

1.0 Emergency Director shall:

1.1 Periodically evaluate the event classification in accordance with EP 101, Classification of Emergencies and escalate or deescalate the classification, as necessary.

1.2 Obtain results of the Cumulative Population Dose Calculations and offsite radiation surveys from the Radiation Protection Team Leader. Obtain Onsite and Plant Radiation Surveys from the Personnel Safety Team Leader, as necessary.

1.3 Provide appropriate information from the previous evaluations to Communicator in the EOF for notification of the Bureau of Radiation Protection.

1.4 Perform actions as necessary to mitigate conditions of the emergency situation.

1.5 Determine which additional support personnel are necessary for emergency functions and direct the shift clerk or other assigned communicator to contact those personnel.

1.6 Provide site personnel with P.A. speaker announcements for any major changes in plant emergency status, such as changing emergency action levels and evacuations.

1.7 Direct the Evacuation of affected areas as necessary. Refer to the following procedure:

GP 15 Local Evacuation
EP 303 Partial Plant Evacuation
EP 306 Evacuation of the Information Center

2.0 Station Superintendent shall:

2.1 Report to the Technical Support Center or Control Room, for a briefing of the situation.

2.2 Assume the role of Emergency Director (if not already done) by formally relieving the interim Emergency Director of this responsibility. Announce that he has assumed the role of Emergency Director to the assembled Technical Support Center personnel.

2.3 Verify the emergency classification.

2.4 Verify that the Technical Support Center, Emergency Operations Facility and the Operations Support Center have been activated.

3.0 Operations Support Center Coordinator shall:

3.1 Notify the Interim Emergency Director or Emergency Director when the Operations Support Center is activated.

3.2 Support the Control Room and Shift Supervision as necessary.

4.0 Dose Assessment Team Leader shall:

4.1 Notify the Emergency Director when the Emergency Operations Facility is manned.

4.2 Report progress and results of Cumulative Population Dose Calculations and off site radiation surveys to the Site Emergency Coordinator and Emergency Director as necessary.

4.3 Notify the Site Emergency Coordinator of the need for assistance from Radiation Management Corporation.

5.0 Shift Clerk or other assigned person shall:

5.1 If not already done, notify additional support personnel to report to the plant as directed by the Emergency Director. Refer to EP 209. Document on APP EP 104-2

5.2 Notify Emergency Director or Site Emergency Coordinator when the additional support personnel have been notified.

6.0 I&C Technicians shall: (if not already performed as per EP-103)

6.1 Inform the Emergency Director when the centers are activated, if not previously done.

6.2 Man the TSC or EOF data display (CCTV) positions as directed by the Emergency Director.

7.0 Personnel Safety Team Leader shall:

7.1 Report progress and results of onsite and plant surveys to the Emergency Director as necessary.

APPENDIX 104-1
SITE EMERGENCY NOTIFICATION CHECKOFF LIST

Message: This (is) (is not) a drill. This (is) (is not) a drill. This is Peach Bottom Atomic Power Station calling to report a site emergency has been declared on Unit ____. Time and date of site emergency classification is __________.

The basic problem is ______________________________

The plant status is (stable) (improving) (degrading) (not known).

There (has not been) (is potential for) (has been) (is presently) a radioactive (airborne) (liquid) release from the plant (at a level below that considered a public hazard) (at a level at which protective action is advisable). Recommended protective actions are (none) ______________________________.

The affected population area is (none) ______________.

My name is ______________. This (is) (is not) a drill. This (is) (is not) a drill.

Notifications:

Party	Person Responding	Time of Notification	Communicator's Initials
Station Superintendent	________	________	________
Load Dispatcher [redacted] (Tell him to initiate call list "C")	________	________	________
Pennsylvania Emergency Management Agency* (Blue phone or [redacted]	________	________	________
Maryland Civil Defense Agency (Blue phone or [redacted]	________	________	________
York County Emergency Management Agency (Blue phone or [redacted]	________	________	________

APPENDIX 104-1 (Cont'd)
SITE EMERGENCY NOTIFICATION CHECKOFF LIST

Lancaster County Emergency Management Agency (Blue phone or [redacted]	________	________	________
Chester County Emergency Management Agency (Blue phone or [redacted]	________	________	________
Harford County Civil Defense Agency (Blue phone or [redacted]	________	________	________
Cecil County Civil Defense Agency (Blue phone or [redacted]	________	________	________
Pennsylvania State Police - York [redacted]	________	________	________
PA. BRP (White Phone or [redacted]	________	________	________
NRC Operations Center** (Red Phone)	________	________	________
PBAPS Guard Sergeant [redacted]	________	________	________

Time notification of parties above completed. ______________

Verified by ______________ Date __________
Emergency Director

File Sys-3-1

* Must notify PEMA by use of commercial telephone no. on backshifts. (Blue phone not manned by PEMA on backshifts).

** If NRC previously notified during ALERT condition, the assigned PO communicator continuously manning red phone in control room <u>should</u> handle this notification automatically However, check with Control Room to be sure. This notification is made.

APPENDIX EP 104-2
PERSONNEL CALL RECORD

Name of Person Called	Time Called	Disposition of Call: No Answer	Busy	Estimated Time of Arrival	Call Completed By

File Sys-3-1

APPENDIX EP 104-3
EMERGENCY EXPOSURE LIMITS

Function	Projected Whole Body Dose	Thyroid Dose	Authorized By
1. Life Saving and Reduction of Injury	75 rem*	375 rem	Emergency** Director
2. Operation of Equipment to Mitigate an Emergency	25 rem*	125 rem	Emergency** Director
3. Protection of Health and Safety of the Public	5 rem	25 rem	Emergency Director
4. Other Emergency Activities	10 CFR 20 limits	10 CFR 20 limits	Emergency Director
5. Re-Entry/Recovery Activities	Administrative Guide Lines	Administrative Guide Lines	N/A

* Reference: EPA-520/1-75-001 Table 2.1
**Such exposure shall be on a voluntary basis

APPENDIX EP-104-4
SITE EMERGENCY DEESCALATION NOTIFICATION CHECK-OFF LIST

MESSAGE: This (is) (is not) a drill. This (is) (is not) a drill. This is Peach Bottom Atomic Power Station calling to report a change in emergency action level. The site emergency has been deescalated to an (Unusual Event) (Alert). Time and date is ________. The basic problem is ____.
The plant status is (stable) (improving) (degrading) (not known). There (has been) (has not been) an (airborne) (liquid) radioactive release from the plant. Protective ations recommended are (none) __________
. The affected population area is (none) ______
. My name is _____________. This (is) (is not) a drill.

Notifications:

Party	Person Responding	Time of Notification	Communicator's Initials
Station Superintendent	________	________	________
Load Dispatcher [redacted] (Tell him to initiate call list "C")	________	________	________
Pennsylvania Emergency Management Agency* (Blue phone or [redacted]	________	________	________
Maryland Civil Defense Agency (Blue phone or [redacted]	________	________	________
York County Emergency Management Agency (Blue phone or [redacted]	________	________	________
Lancaster County Emergency Management Agency (Blue phone or [redacted]	________	________	________

APPENDIX EP 104-4 (Cont'd)
SITE EMERGENCY DEESCALATION NOTIFICATION CHECKOFF LIST

Chester County Emergency Management Agency (Blue phone or [redacted]	____	____	____
Harford County Civil Defense Agency (Blue phone or [redacted]	____	____	____
Cecil County Civil Defense Agency (Blue phone or [redacted]	____	____	____
Pennsylvania State Police - York [redacted]	____	____	____
PA BRP (White Phone or [redacted]	____	____	____
NRC Operations Center** (Red Phone)	____	____	____
PBAPS Guard Sergeant [redacted]	____	____	____

Time notification of parties above completed. ____________

Verified by ____________________ Date __________
Emergency Director

File Sys-3-1

* Must notify PEMA by use of commercial telephone no. on backshifts. (Blue phone not manned by PEMA on backshifts).

CONTROLLED APPROVED COPY-
VOID PREVIOUS ISSUE
DISTRIBUTION PER A-2

RLG
9-21-84

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 AND 3

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-105 GENERAL EMERGENCY RESPONSE

PURPOSE

To define the site response to a General Emergency.

REFERENCES

1. Peach Bottom Atomic Power Station Emergency Plan

2. NUREG 0654

3. EP-101 Classification of Emergencies

APPENDICES

EP 105-1 General Emergency Checkoff List
EP 105-2 Personnel Call Record
EP 105-3 Emergency Exposure Limits (Emergency Plan Table 6.1)
| EP 105-4 General Emergency Deescalation Notification Checkoff List

PRECAUTIONS

1. Planned radiation exposures should be limited to the administrative guide levels in Appendix EP 105-4 Emergency Exposure Limits.

IMMEDIATE ACTIONS

1.0 Shift Supervision shall:

1.1 Assume the role of Interim Emergency Director.

1.2 Activate Emergency Teams as necessary if not already accomplished at an earlier emergency action level.

1.3 Contact the Station Superintendent and the Shift Technical Advisor, inform them of the situation.

1.4 Fill out Appendix EP 105-1 Standard Prompt Notification Form and give it to the Communicator (PO or higher classification)

1.5 Direct Communicator to commence notification of the appropriate parties as specified in Section 2.1 of this procedure. The Communicator shall man the NRC RED Telephone on a continuous basis if required by A-31. If communicator is required for urgent plant operations related to the emergency, the concurrance for securing the phone should be obtained from the NRC prior to securing this telephone.

1.6 If not already accomplished at the ALERT or SITE EMERGENCY stage, direct the shift clerk to activate the 60 minute call list using EP 209 APP P. If shift clerk is not available, this function may be assigned to any available individual.

1.7 Direct one of the on-shift I&C Technicians to activate the Technical Support Center and the Emergency Operations Facility in accordance with EP 201 and 203 if not already activated.

1.8 Direct the Dose Assessment Team Leader to initiate offsite radiation surveys, as necessary, in accordance with EP 205B, Radiation Survey Groups, if not already done.

1.9 Direct the Personnel Safety Team Leader to initiate on-site radiation surveys as necessary, in accordance with EP-205B, Radiation Survey Groups, if not already done.

1.10 Assign an Operations Support Center Coordinator (Sr PO or APO available) if not already done and direct available shift personnel to report to the Operations Support Center and to activate it in accordance with EP-202, If habitable. If the Operations Support Center is NOT habitable, direct shift personnel to report to the control room.

1.11 Closely monitor conditions to determine present hazards to personnel and potential accident conditions that may develop.

1.12 If release has occurred, dispatch a plant survey team member to obtain a site boundary dose rate as soon as practicable.

1.13 If necessary, initiate implementation of EP-317 and EP-316, Direct Recommendations to County Emergency Management Agencies, and Cumulative Population Dose Calculations.

1.14 Declare a site evacuation in accordance with EP-305 "Site Evacuation" if not already initiated.

2.0 Communicator shall:

2.1 Perform notifications on Appendix EP 105-1 using the Standard Prompt Notification Message included. See EP 209, Appendix A, for telephone numbers.

2.2 Report to the Emergency Director when the notifications are completed.

2.3 Man the RED NRC telephone if required by A-31 until situation stabilizes and RED telephone communications may be secured.

3.0 Operations Support Center Coordinator or his designee shall:

3.1 Activate the Operations Support Center, if it is habitable, in accordance with EP 202. If the Operations Support Center is NOT habitable report to the Control Room.

4.0 Dose Assessment Team Leader shall:

4.1 Initiate off site radiation surveys in accordance with EP-205B, Radiation Survey Groups when directed by the Emergency Director.

5.0 Personnel Safety Team Leader shall:

5.1 Initiate on-site radiation surveys in accordance with EP-205B, Radiation Survey Groups when directed by the Emergency Director.

6.0 Shift I&C Technician shall:

6.1 Activate the TSC and EOF (if not already activated during ALERT or SITE EMERGENCY stage) in accordance with EP 201 and EP 203.

7.0 Shift Clerk shall:

7.1 If not already implemented during ALERT or SITE EMERGENCY stage, contact individuals on EP 209 APP P to call in those individuals to man the TSC and EOF (60 minute call list). Document contacts on EP 209 APP P.

7.2 Inform Interim Emergency Director or Emergency Director when contacts are completed.

<u>FOLLOW-UP ACTIONS</u>

1.0 Emergency Director shall:

1.1 Periodically evaluate the event classification in accordance with EP 101, Classification of Emergencies. If the conditions change, deescalate to an appropriate classification.

1.2 Obtain results of the Cumulative Population Dose Calculations offsite radiation surveys from the Dose Assessment Team Leader. Obtain onsite radiation surveys from the Personnel Safety Team Leader.

1.3 Referring to EP-317, provide appropriate information from the previous evaluations and Protective Action recommendations to a Communicator in the EOF for notification of the Bureau of Radiation Protection.

1.4 Perform actions as necessary to mitigate conditions of the emergency situation.

1.5 If not already performed, determine which additional support personnel are necessary for emergency functions and direct the shift clerk or other assigned person to contact those personnel.

1.6 Provide site personnel with PA speaker announcements for any major changes in plant emergency status, such as changing emergency action levels.

1.7 Direct the evacuation of affected areas, as necessary. Refer to the following procedures:

GP 15 Local Evacuation

EP 303 Partial Plant Evacuation

EP 306 Evacuation of the Information Center

2.0 Station Superintendent shall:

2.1 Report to the Technical Support Center or Control Room, for a briefing of the situation.

2.2 Assume the role of Emergency Director (if not already done) by formally relieving the Interim Emergency Director. Announce that he has assumed the role of Emergency Director to the assembled Technical Support Center personnel.

2.3 Verify the emergency classification.

2.4 Verify that the Technical Support Center, Emergency Operations Facility and the Operations Support Center have been activated.

3.0 Operations Support Center Coordinator shall:

3.1 Notify the Interim Emergency Director when the Operations Support Center is activated.

3.2 Support the Control Room and Shift Supervision as necessary.

4.0 Dose Assessment Team Leader shall:

4.1 Notify the Emergency Director when the Emergency Operations Facility is activated.

4.2 Report progress and results of Cumulative Population Dose Calculations and off site radiation surveys to the Emergency Director, as necessary.

4.3 Notify the Site Emergency Coordinator of the need for assistance from Radiation Management Corporation.

5.0 Shift Clerk or other assigned person shall:

5.1 When requested, notify additional support personnel to report to the plant as directed by the Emergency Director. Refer to EP-209.

5.2 Notify Emergency Director or Site Emergency Coordinator when additional support personel have been notified. Document on APP EP-105-2.

6.0 I&C Technicians shall: (if not already performed as per EP-103 or EP-104)

6.1 Inform the Emergency Director when centers are activated.

6.2 Man the TSC and EOF data display (CCTV) positions as directed by the Emergency Director.

7.0 Personnel Safety Team Leader shall:

7.1 Report progress and results of on-site and plant surveys to the Emergency Director as necessary.

APPENDIX EP 105-1
GENERAL EMERGENCY NOTIFICATION CHECKOFF LIST

Message: This (is) (is not) a drill. This (is) (is not) a drill. This is Peach Bottom Atomic Power Station calling to report a General Emergency has been declared on Unit No. ____. Time and date of General Emergency classification is ________. The basic problem is ______________________________________. The plant status is (stable) (improving) (degrading) (not known). There (is presently) (has not been) (is potential for) (has been) a radioactive (airborne) (liquid) release from the plant (at a level below that considered a public hazard) (at a level at which protective action is advisable). Recommended protective actions are (none) ________________________. The affected population area is (none) ______________________________. My name is ______________________. This (is) (is not) a drill. This (is) (is not) a drill.

Notifications:

Party	Person Responding	Time of Notification	Communicator's Initials
Station Superintendent	________	________	________
Load Dispatcher [redacted] (Tell him to initiate call list "C")	________	________	________
Pennsylvania Emergency Management Agency* (Blue phone or [redacted]	________	________	________
Maryland Civil Defense Agency (Blue phone or [redacted]	________	________	________
York County Emergency Management Agency (Blue phone or [redacted]	________	________	________

APPENDIX EP 105-1 (Cont'd)
GENERAL EMERGENCY NOTIFICATION CHECKOFF LIST

Lancaster County
Emergency Management
Agency
(Blue phone or [redacted] ________ ________ ________

Chester County
Emergency Management
Agency
(Blue phone or [redacted] ________ ________ ________

Harford County Civil
Defense Agency
(Blue phone or [redacted] ________ ________ ________

Cecil County Civil
Defense Agency
(Blue phone or [redacted] ________ ________ ________

Pennsylvania State
Police - York
[redacted] ________ ________ ________

PA BRP
(White Phone or [redacted] ________ ________ ________

NRC Operations Center**
(Red Phone) ________ ________ ________

PBAPS Guard
Sergeant [redacted] ________ ________ ________

Time notification of parties above completed ________.

Verified By ________________ Date ________
Emergency Director

File - Sys-3-1

* Must notify PEMA by use of commercial telephone no. on backshifts. (Blue phone not manned by PEMA on backshifts.)

** If NRC previously notified during Alert or Site Emergency condition, the assigned PO communicator continuously manning the red phone in Control Room <u>should</u> handle this notification automatically. However, check with Control Room to be sure this notification is made.

APPENDIX EP 105-2
PERSONNEL CALL RECORD

		Disposition of Call			
Name of Person Called	Time Called	No Answer	Busy	Estimated Time of Arrival	Call Completed By

File Sys-3-1

APPENDIX EP 105-3
EMERGENCY EXPOSURE LIMITS

	Function	Projected Whole Body Dose	Thyroid Dose	Authorized By
1.	Life Saving and Reduction of Injury	75 rem*	375 rem	Emergency** Director
2.	Operation of Equipment to Mitigate an Emergency	25 rem*	125 rem	Emergency** Director
3.	Protection of Health and Safety of the Public	5 rem	25 rem	Emergency Director
4.	Other Emergency Activities	10 CFR 20 limits	10 CFR 20 limits	Emergency Director
5.	Re-Entry/Recovery Activities	Administrative Guidelines	Administrative Guidelines	N/A

*Reference: EPA-520/1-75-001 Table 2.1
**Such exposure shall be on a voluntary basis

APPENDIX EP-105-4
GENERAL EMERGENCY DEESCALATION NOTIFICATION CHECK-OFF LIST

Message: This (is) (is not) a drill. This (is) (is not) a drill.
This is Peach Bottom Atomic Power Station calling to report a change in emergency action level. The General Emergency has been deescalated to an (Unusual Event) (Alert) (Site Emergency). Time and date is ________.
The basic problem is ____.
The plant status is (stable) (improving) (degrading) (not known).
There (has been) (has not been) an (airborne) (liquid) radioactive release from the plant. Protective actions recommended are (none) __________
. The affected population area is (none) __________________
______. My name is ____________. This (is) (is not) a drill.

Notifications:

Party	Person Responding	Time of Notification	Communicator's Initials
Station Superintendent	________	________	________
Load Dispatcher [redacted] (Tell him to initiate call list "C")	________	________	________
Pennsylvania Emergency Management Agency* (Blue phone or [redacted])	________	________	________
Maryland Civil Defense Agency (Blue phone or [redacted])	________	________	________
York County Emergency Management Agency (Blue phone or [redacted])	________	________	________

APPENDIX EP-105-4 (Cont'd)
GENERAL EMERGENCY DEESCALATION NOTIFICATION CHECK-OFF LIST

Lancaster County Emergency Management Agency (Blue phone or [redacted]			
Chester County Emergency Management Agency (Blue phone or [redacted]			
Harford County Civil Defense Agency (Blue phone or [redacted]			
Cecil County Civil Defense Agency (Blue phone or [redacted]			
Pennsylvania State Police - York [redacted]			
PA. BRP (White Phone or [redacted]			
NRC Operations Center** (Red Phone)			
PBAPS Guard Sergeant [redacted]			

Time notification of parties above completed. ______________

Verified by ________________ Date __________
Emergency Director

File Sys-3-1

* Must notify PEMA by use of commercial telephone no. on backshifts. (Blue phone not manned by PEMA on backshifts).

CONTROLLED APPROVED COPY-
VOID PREVIOUS ISSUE
DISTRIBUTION PER A-2

9-18-84

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 AND 3

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-205A CHEMISTRY SAMPLING AND ANALYSIS TEAM

PURPOSE:

To define the actions of the Chemistry Sampling and Analysis Team.

REFERENCES:

1. Peach Bottom Atomic Power Station Emergency Plan

Section	Title
5.2.2.2.1.e	Chemistry Sampling and Analysis
6.2.1	Assessment Methods for Determining Magnitude of Release to the Atmosphere

2. Health Physics Operating/Chemistry Operating procedures

Number	Title
HPO/CO-4	Radiation Work Permits

3. NUREG 0654 Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.

APPENDIX:

EP 205A-1	Emergency Exposure Limits (Emergency Plan Table 6.1)
EP-205A-2	Offsite Post Accident Sampling Analysis C.O.L. for Babcock & Wilcox Lunchburg Research Center
EP-205A-3	Chem. Sampling and Analysis C.O.L.

ACTION LEVEL:

The Chemistry Sampling and Analysis Team will be activated at the discretion of the Emergency Director.

PRECAUTIONS:

1. In all steps of this procedure, an ALARA concept is mandatory. Sampling and Analysis Group member's exposure should be limited to the administrative guide levels in Appendix EP 205A-1, Emergency Exposure Limits. Chemistry Sampling and Analysis Group members should control their own exposures.

2. Requirements of HPO/CO-4, Radiation Work Permits, are not applicable.

IMMEDIATE ACTIONS:

1.0 Chemistry Sampling and Analysis Team Leader shall:

1.1 Contact the Chemistry Sampling and Analysis Group Leader, direct him to collect samples, as necessary, and analyze the samples in accordance with HPO/CO Procedures; or use offsite support groups for the analyses.

2.0 Chemistry Sampling and Analysis Group Leader shall:

2.1 Assemble the Chemistry Sampling and Analysis Group.

2.2 Direct the monitoring and sampling of release points, air monitors, and process monitors as required and in accordance with precaution 1, above.

2.3 Analyze the data from samples, process instrument readings, and effluent instrument readings. From this data determine isotopic composition and release rates.

2.4 Provide the Dose Assessment Group with pertinent information and direct group members to assist, as necessary, with dose rate calculations and determination of radiological consequences.

3.0 Chemistry Sampling and Analysis Group members shall:

3.1 Assemble the necessary equipment needed to obtain and analyze samples. Prelabel all sample containers before sampling. Use Appendix EP 205A-2 to insure all steps in the HPO/CO sampling and analysis procedures are followed.

3.2 Sample primary coolant and drywell atmosphere as necessary with the following procedures:

EP 205A.1 Operation of Post Accident Sampling Station

EP 205A.2 Obtaining Drywell Gas Samples from Containment Atmosphere Dilution Cabinets

EP 205A.3 Retrieving and Changing Sample Filters and Cartridges from the Drywell Radiation Monitor

EP 205A.4 Obtaining Drywell Gas Samples from the Drywell Radiation Monitor Sampling Station

EP 205A.5 Obtaining Reactor Water Samples from Sample Sinks Following Accident Conditions

3.3 In the event of a large radioactive liquid spill, obtain samples of the river water in accordance with:

EP 205A.6 Obtaining Canal Discharge Water Samples Following Radioactive Liquid Releases Following Accident Conditions.

3.4 Use the following procedures to obtain samples from the various sample points.

Main Stack & Roof Vents

EP 205A.7 Obtaining the Iodine and Particulate Samples from the Main Stack and Roof Vents Following Accident Conditions

Liquid Radwaste

EP 205A.8 Obtaining Liquid Radwaste Samples from the Radwaste Sample Sink Following Accident Conditions

Condensate

EP 205A.9 Obtaining Samples from Condensate Sample Sink Following Accident Conditions

Off Gas

EP 205A.10 Obtaining Off-Gas Samples from the Off-Gas Hydrogen Analyzer Following Accident Conditions

Rx Building or Torus Atmosphere

EP 205A.1 Operation of Post Accident Sampling Station

3.5 Use the following procedures for the preparation and analysis of highly radioactive samples.

EP 205A.11 Sample Preparation and Chemical Analysis of Highly Radioactive Liquid Samples

EP 205A.12 Sample Preparation and Analysis for Highly Radioactive Particulate Filters and Iodine Cartridges

EP 205A.13 Sample Preparation and Analysis of Highly Radioactive Gas Samples

3.6 Attach all data sheets and analysis reports to Appendix EP 205A-2 (Chem Sampling & Analysis C.O.L.) for each sample taken. Give this information to the Chem Sampling and Analysis Group Leader.

FOLLOW-UP ACTIONS:

1.0 Chemistry Sampling and Analysis Team Leader shall:

1.1 Report the results of these analyses to the Site Emergency Coordinator (if activated), the Emergency Director, Dose Assessment Team Leader.

1.2 Provide group members with periodic plant status changes including significant radiation exposure and radioactive contamination problems which may affect the functions of the team.

1.3 If necessary, utilize the post accident sampling analysis capabilities of Babcock and Wilcox by referring to Appendix EP 205A-2 for proper notifications and EP 205A-3 for background information.

2.0 Chemistry Sampling and Analysis Group Leader shall:

2.1 Report results of samples and analyses to the Chemistry Sampling and Analysis Team Leader.

APPENDIX EP 205A-1

EMERGENCY EXPOSURE LIMITS

	Function	Projected Whole Body Dose	Thyroid Dose	Authorized By
1.	Life Saving and Reduction of Injury	75 rem*	375 rem	Emergency** Director
2.	Operation of Equipment to Mitigate an Emergency	25 rem*	125 rem	Emergency** Director
3.	Protection of Health and Safety of the Public	5 rem	125 rem	Emergency** Director
4.	Other Emergency Activities	10 CFR 20	10 CFR 20	Emergency Director
5.	Re-Entry/Recovery Activities	Administrative Guidelines	Administrative Guidelines	N/A

*Reference: EPA-520/1-75-001 Table 2.1
**Such exposure shall be on a voluntary basis

APPENDIX EP 205A-2

OFFSITE POST ACCIDENT SAMPLING ANALYSIS CHECK-OFF LIST

FOR BABCOCK AND WILCOX LYNCHBURG RESEARCH CENTER

Message:

This is ____(NAME)____ representing the Radiation Protection Team of Peach Bottom Atomic Power Station. This is a request to provide post accident sample analysis at the Lynchburg Research Center. All inquiries should be directed to ____(NAME)____ at the following phone number __________. The following information is known concerning the samples:

Unit ________
Number of samples ________
Estimated shipping time ________
Method of transportation (air or land) ________
Name of carrier ____________

Sample	1	2	3	4
Type (liquid, gaseous, cartridge)				
Measured Radiation Levels				
- surface				
- 3 feet				

Remarks:

Notifications:

Emergency Control Officer	Work	Home
J. P. Doran	[redacted]	
Alternate Emergency Control Officer		
A. F. Olsen		

APPENDIX EP 205A-3

CHEM SAMPLING & ANALYSIS C.O.L.

Sample ________
Time ________
Date ________

Sampling:

Sample Container Prelabeled ________
Lead Carrying Pig Obtained ________
Sampling Equipment Assembled ________
Procedure Reviewed ________
RWP Issued or HP Available ________

Sample Size ________
Sample Dose Rate (Contact) ________

Analysis:

Equipment Assembled ________
Lab Set Up for Analysis
to Minimize Exposure ________
Procedure Reviewed ________
Analysis Performed: (Attach Results of Analysis)
Geli Scan ________
Chloride Analysis ________
Boron Analysis ________
Gas Chromatography ________
Other (Explain) ________

Sample Volume Used for Analysis ________

9-20-84

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 AND 3

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-205A.1 OPERATION OF POST ACCIDENT SAMPLING STATION

PURPOSE

The purpose of this procedure is to provide guidelines for consideration prior to, during and after obtaining samples from the post accident sampling station following accident conditions.

REFERENCES

P&ID M374, M372, M361, M316, M362

EQUIPMENT

Appropriate Health Physics Survey Equipment
Air Sampler (low volume)
Respiratory Protective Equipment
Anti-C Clothing
Digital Alarming Dosimetry
Gas Vial Sample Tube
Iodine & Particulate Sample Assembly
14.4 Gas Vials and Caps
Liquid Sample Bottles and Caps
10cc Syringe with Stoplock
Silver Zeolite Cartridges
47mm Particulate Filters
Small Bottle of Demin Water
Large Volume Cask
Small Volume Cask
Gas Sample Cask
Flashlight
Mirror
Watch with SecondHand
Plastic Bag & Pole to Transport Cartridges

PRECAUTIONS

A. In all steps of this procedure, an ALARA concept is mandatory. This procedure provides some philosophy in pre-planning sampling evolutions for samples during an accident. In addition to reviewing this procedure, an ALARA review of the sampling process should be performed prior to obtaining the sample. If the sample is not really needed, and lower dose methods exist to determine the gross data that the sample provides, the sample should not be obtained.

B. At no time may NRC exposure limits (either airborne or body dose) be exceeded during the surveying for sampling or obtaining the sample. If it appears that an overexposure could reasonably occur when obtaining the sample, do NOT proceed without written NRC approval.

PROCEDURE:

1. It has been determined that a drywell atmosphere, torus atmosphere, reactor building atmosphere or primary coolant sample is needed from the post accident sampling station. Make sure before entry into the M-G set room that all personnel who will handle a sample have extremity (hand) dosimetry in place.

2. Two paths are recommended.

   A. Entering the normal turbine building 116' plant entrance, up the turbine building stairs to the M-G set room.

      Time = Approximately 3 minutes.

   B. Entering the roll up doors on the north end for Unit 3 or south end for Unit 2, up the turbine building stairs to the M-G set room.

      Time = Approximately 3 minutes.

3. Have a Health Physics Technician accompany the Chemistry Technician assigned to obtain samples in order to perform area surveys. Brief Health Physics & Chemistry personnel on the route to be taken and the time to get to the sample point.

4. Health Physics personnel shall take appropriate survey equipment and protective equipment (e.g., SCBA gear, anti-C's, etc.). Before making entry to the Power Block, ensure survey equipment is turned on and calibrated.

5. Upon entering the Power Block, the surveyor(s) will note trends in general radiation levels enroute to the sample point. If dose rates exceed 10 R/hr gamma or 10 rad/hr beta prior to arriving at the point specified below and upon further investigation this dose rate remains stable or increases, exit immediately and report to Health Physics Supervision.

6. If the dose rate at any door that has to be opened is greater than 5 R/hr, leave the area immediately and report to Health Physics Supervision with this information. With the dose rates less than 5 R/hr, enter the area but take careful notice of the dose rates.

7. The following are the times required to obtain samples:

Drywell or Torus Atmosphere	25 Minutes
Secondary Containment Atmosphere	10 Minutes
Primary Coolant Jet Pump	20 Minutes
RHR	25 Minutes

Use the appropriate section for the desired sample:

Section 1	14.4 ml gas sample from drywell, torus or reactor building atmosphere.
Section 2	Iodine and/or particulate sample from drywell, torus or secondary containment atmosphere.
Section 3	10cc sample of reactor water and/or dissolved gas sample.
Section 4	.1cc reactor water sample with 100:1 dilution.

Refer to the appropriate appendix for flushing, schematics and proper valve documentation:

Appendix A.1	Draining the trap, sump and collector.
Appendix A.2	Post Accident Sampling Station control switches.
Appendix A.3	Schematic of Post Accident Sample Station.
Appendix A.4	Double Verification Sheet for reactor valves.

8. A RWP or HP technician will be assigned for the sample collection and analysis.

9. Prior to the sample entering the hot lab, any shielding, remote tooling or other protective measure shall be in place and ready to accept the sample.

10. Upon introduction of the sample into the hot lab, the sample will be handled in a manner such that it will cause an ALARA whole body dose to personnel involved. Unnecessary personnel shall not remain in the hot lab.

11. Properly in place and shielded, the sample will be processed remotely (where and when possible). Careful handling of the sample is mandatory in preparation for analysis so contamination is not spread, airborne problems are held to a minimum, and a new sample is not required.

12. Following final analysis of the sample, results shall be reported to appropriate supervision.

SECTION 1 14.4 ML GAS SAMPLE

PREREQUISITES:

1. System lined up in accordance with C.O.L. S.20.1.

2. Have shift line up CAD system for desired sample and document the valves that are changed using Appendix A.4 (Bypass SV 8101 (9101) isolation per GP-8A). Document valve line up using Appendix A.4.

UNIT 2			UNIT 3		
Sample		Position	Sample		Position
Torus	4960D	Open	Torus	5960A	Open
	4961D	Closed		5961A	Closed
	4966D	Torus II		5966A	Torus I
	8101	Open		9101	Open
	4951B	Open		5951B	Open
	4950B	Closed		5950B	Closed
	AO-8108	Local		SV-9108	Local
Lower Drywell	4960C	Open	Upper Drywell	5960B	Open
	4961C	Closed		5961B	Closed
	4966C	Drywell II		5966B	Drywell I
	8101	Open		9101	Open
	4951B	Open		5951B	Open
	4950B	Closed		5950B	Closed
	AO-8108	Local		SV-9108	Local

3. No line up needed for secondary containment sample.

4. Obtain the key to the control panel power from Shift Supervision or Chemistry Supervision.

5. Heat trace is to remain on at all times. To restore the heat trace system after loss of power, press the reset button at 20(30)S359. Proper operating temp. will be indicated by the green lights.

PROCEDURE:

1. Drain the system per Appendix A.1.

2. With the sump drain system switch in the off position place switch HC-700 (liquid/gas selector) in the gas position. Open N2 bottle valve and regulate to approximately 80 psig. Make sure the gas chiller E-703 is on. Quickly inspect the needle in the gas port to determine that its condition is satisfactory for obtaining a sample.

3. Install the gas filter drawer into position. If a particulate/iodine sample will be obtained later, make sure that the desired filter cartridges are properly installed in the cartridge retainer.

4. Turn switch HC-723 (gas sample selector switch) to position 3 if a secondary containment atmosphere sample is desired. If a torus or drywell atmosphere sample is desired, turn to position 1 and open the common gas line isolation valve.

Unit 2	Unit 3
AO8108	SV9108

5. Place a standard 14.4 milliliter off gas vial into the gas vial positioner, slide the positioner into the gas port. Observe that the bottle status light changes from red to green.

6. Turn the 10 ML gas sample switch HC-705 to position 2 and circulate gas for a period long enough to assure that the sample lines are flushed out with gas being sampled. The minimum time required is 5 minutes.

   Be sure that the flow as read by the rotameter thru the sample enclosure window is in the expected range of 25 to 35 SCFH. Record flow and flush duration on data sheet.

7. Turn HC-705 to position 3 and evacuate the off gas vial. Record pressure of the evacuated vial PI-708 on the data sheet. Make sure the vacuum in the gas vial reaches a stable minimum reading.

8. Turn HC-705 to position 4, "Take sample". Make sure that PI-708 does not change. (If PI-708 changes rapidly then the sample bottle vacuum is leaking. Turn HC-705 to position 2 counter clockwise. Replace the old bottle with a new one and go back to step 5.)

9. Press the HC-720 button to obtain the sample. Keep button depressed until a steady pressure is reached. (Approximately 5 seconds.) Record pressure from PI-708 on data sheet. This pressure should correspond to actual pressure of sample being obtained. Record sample temperature TI-724 on data sheet.

10. Turn HC-705 to position 5 "flush system" and flush for approximately 1 minute.

11. Turn HC-705 to position 6, 7, and 8 then straight up to off.

12. Turn the gas line isolation valve (AO-8108 for Unit 2 or SV-9108 for Unit 3) to its closed position and HC-700 to off. (Document on Appendix A.4).

13. Wearing cotton liners and gloves, and (observing ALARA practices) remove gas vial keeping it a maximum distance from the individual. If the sample is greater than 100 mR/hr use the gas vial cask for transporting the sample.

14. Take the sample to the appropriate lab for further dilution and counting. File data sheet in Chem. Lab binder.

15. Calculate sample volume at the sample pressure as recorded in Step 8.

$$V_s = \frac{(14.7)(14.4)\ \ (T\ F + 460)}{(530)\qquad\qquad (P\ PSIA)}$$

16. Perform the drain of trap, sump and collector per Appendix A.1. Close N2 bottle valve. Close PCV-627 by setting PCV-627 to 0 psig.

17. If this is the last sample required, turn all switches to the upright and "off" position (except for HC-723 which is left in position 3) before turning "off" power. Return key to Shift Supervision or Chemistry Supervision.

18. Document that the valves that were lined up for sampling have been returned to normal using Appendix A.4.

19. Return completed Appendix A.4 to Shift Supervision for review at the completion of sampling. File in complete EP-205A.1 file.

EP-205A.1 Post Accident Sampling Station

Data Sheet for 14.4 ML Gas Sample

1. Sample Source_________Date_________Time_________
2. Sample Flow_________FI-725 (scfh)
3. Flush Duration_________(Min.)
4. Absolute Pressure of Vial_________PI-708
5. FInal Sample Pressure_________PI-708
6. Sample Temperature_________TI-724 (F)
7. Calculated Sample Volume_________ (ML)

$$V = \frac{(14.7)(14.4)}{(530)} \frac{(T\ F + 460)}{(P\ PSIA)}$$

Note: Pressure gauge PI-708 on Unit 2 are in psig while those in Unit 3 are psia.

SECTION 2 IODINE/PARTICULATE SAMPLE

PREREQUISITES:

1. System lined up in accordance with C.O.L. S.20.1.

2. Have shift line up CAD system for desired sample and document the valves that are changed using Apendix A.4. (Bypass SV-8101(9101) isolation per GP-8A.) Document valve line up using Appendix A.4.

UNIT 2			UNIT 3		
Sample		Position	Sample		Position
Torus	4960D	Open	Torus	5960A	Open
	4961D	Closed		5961A	Closed
	4966D	Torus II		5966A	Torus I
	8101	Open		9101	Open
	4951B	Open		5951B	Open
	4950B	Closed		5950B	Closed
	AO-8108	Local		SV-9108	Local
Lower Drywell	4960C	Open	Upper Drywell	5960B	Open
	4961C	Closed		5961B	Closed
	4966C	Drywell II		5966B	Drywell I
	8101	Open		9101	Open
	4951B	Open		5951B	Open
	4950B	Closed		5950B	Closed
	AO-8108	Local		SV-9108	Local

3. No line up needed for secondary containment sample.

4. Obtain the key to the control panel power from Shift Supervision or Chemistry Supervision.

5. Heat trace is to remain on at all times. To restore the heat trace system after loss of power, press the reset button at 20(30)S359. Proper operating temperature will be indicated by the green lights.

6. Decide whether a timed or non-timed sample is desired. If a high activity condition exists, a timed sample should be taken.

PROCEDURE:

1. Drain the system per Appendix A.1.

2. Open N2 bottle valve and regulate to approximately 80 psig. Make sure the gas chiller E-703 is on.

3. With the sump drain system switch in the off position place switch HC-700 (liquid/gas selector) in the gas position.

4. Put the desired filter cartridge(s) into the cartridge retainer. Put the cartridge retainer into the gas filter drawer. Then put the drawer into the sample station and verify drawer position light is green.

5. Turn gas sample selector switch HC-723 to desired sample source. Position 1 for torus or drywell and position 3 for secondary containment.

6. Open common gas line isolation valve, if a torus or drywell atmosphere sample is desired. (Document on Appendix A.4.)

Unit 2	Unit 3
AO8108	SV9108

7. Turn the iodine cartridge sample switch HC-712 to position 2 and circulate gas for a period long enough to assure that sample lines are flushed out with gas being sampled. Minimum flush time is approximately 5 minutes.

8. Be sure flow as read by rotameter is in the range of 25 to 35 SCFH.

9. Record the flow FI-725, pressure PI-727, PI-726 (located at sample station) and temperature TI-724 (located on control panel) on data sheet.

10. If a timed sample is desired go to step 11 or if a non-timed sample is desired go to step 13.

11. To take a timed sample, turn HC-704 to yes position and set timer KC-712 between 0 to 30 seconds. Make sure time is short enough that the activity on the filter will not be unnecessarily high.

12. The sample will START TO FLOW through the cartridge at this step. Turn HC-712 to position 3. Observe RI-704's reading to determine if there is a rapid activity buildup. On the data sheet record PI-726, PI-727, FI-725, flow duration, and RI-704. Now go to Step 14.

13. The sample will START TO FLOW through the cartridge at this step. Turn HC-712 to position 3. On the data sheet record PI-726, PI-727, FI-725, flow duration, and RI-704.

14. After appropriate time has elapsed for either timed or untimed, turn HC-712 to position 4 for 10 seconds. A vacuum will be quickly drawn on the system.

15. Turn HC-712 to position 5 which will purge the system with air or nitrogen. Purge for at least 20 seconds or until RI-704 is stable. Record RI-704 on data sheet.

16. Rotate HC-712 to up and off position. Remove filter and cartridge retainer and put them in plastic bags. Tape bags closed. Put drawer back into sample enclosure. Use a pole or rope to increase distance while transporting. Close AO-8108 for Unit 2 and SV-9108 for Unit 3.

17. Perform drain of trap, sump and collector following Appendix A.1. Close FCV-627 by setting PCV-627 to 0 psig.

18. If this is the last sample required, turn all switches to the upright and "off" position (except for HC-723 which is left in position 3) before turning "off" power. File data sheets in Chem. Lab binder. Close N2 bottle valve. Return key to Shift Supervision or Chemistry Supervision.

19. Document that the valves that were lined up for sampling have been returned to normal using Appendix A.4.

20. Return completed Appendix A.4 to Shift Suprevision for review at the completion of sampling. File in complete EP-205A.1 file.

EP-205A.1 Post Accident Sampling Station

Data Sheet for Iodine/Particulate Sample

1. Sample Source_________Date_________Time_________
2. Orifice Size 3.0
3. Flush Time in Minutes_________Minutes
4. Sample Flow_________FI-725 (Not thru Cartridge) (scfh)
5. Temperature_________TI-724 (F)
6. Pressure_________PI-726
7. Pressure_________PI-727
8. Pressure_________PI-726 (Critical flow thru cartridge)
9. Pressure_________PI-727
10. Flow_________FI-725 scfh
11. Radiation Levels_________RI-704
12. Times Sample - Yes or No_________
13. Flow Duration_________Seconds
14. Final Radiation Levels_________RI-704

Note: When critical flow is obtained through the cartridge assembly, a flow of 3.0 liters per minute $\pm$ 15% is achieved. This is true as long as PI-727 is at a minimum of 12 inches mercury vacuum.

SECTION 3 LARGE LIQUID SAMPLE AND/OR A DISSOLVED GAS SAMPLE

PREREQUISITES:

1. System lined up in accordance with C.O.L. S.20.1.

2. Obtain the key to the control panel power from Shift Supervision or Chemistry Supervision.

PROCEDURE:

1. If the RHR line is to be used, have the shift open the RHR sample line valves and document the valves that are changed using Appendix A.4. (By-pass isolation logic per GP-8A.)

Unit 2	Unit 3	
AO 8098A	AO 9098A	A Line
AO 8099A	AO 9099A	
AO 8098B	AO 9098B	B Line
AO 8099B	AO 9099B	

2. Perform the drain and blow out operation per Appendix A.1.

3. Open the N2 bottle valve and regulate to approximately 80 psig.

4. Check that the demin water tank is full. Verify that the demin water tank is pressurized to at least 100 psig.

5. Open the tracer gas bottle valve and regulate to 2-3 psig. Record pressure.

6. Make certain the lead shield drawer is out so that the needles under the sample station enclosure are exposed. Quickly inspect the needles with a mirror and flashlight. Check that the longest part of the needle is toward the center of the sample vial.

7. Remove lead stopper from the large volume cask and put a 15 ML sample bottle with an outer aluminum retainer ring and a neoprene cap into the large cask. Note sample bottle must fit snugly in the holder and be vertically aligned. If necessary, place small pad under sample vial. With cask in fully lowered position, roll cask into position under the sample station.

8. If RHR sample is desired, close the sample line valves to feedwater sample sink. (Document on Appendix A.4.)

Unit 2	Unit 3
AO 8110A	AO 9110A
AO 8110B	AO 9110B

With control panel power on set switch HC-700 to the liquid position, and liquid sample selector switch HC-626 to position 2 if a jet pump sample is desired or to position 4 if the reactor valves were set for a RHR sample.

9. Push the plunger down which causes the sample bottle to be raised out of the cask and up onto the two needles. Make certain that while positioning the cask on Unit 2 side, the forks are pointing to the right, and on Unit 3 side they must point to the left. Note that the bottle in light will change from red to green. (If cask is not aligned properly, lower bottle and reposition cask.)

10. Using the hydraulic pump slowly raise the cask, checking for proper alignment. Stop pumping when top cask ring is <u>inside</u> and the large volume cask is <u>just below</u> the bottom of the sample station.

11. Place the gas vial in the holder and insert into the dissolved gas sample point. Note that the dissolved gas sample light turns green. If it does not, readjust the vial position.

12. Make certain that HC-616-1 (small volume sample switch) is in the off position.

13. Turn the liquid sample source selector switch HC-626 to position 1 for jet pump bypass line sample or 5 for RHR sample.

14. FI-664 on control panel should be approximately 1 gpm. PI-661, TI-660, CI-663, and RI-665 should start to have meaningful values.

15. Adjust PCV-627 so that the flow on FI-664 is at least 1 gpm. Continue this flow for a long enough period (at least 7 minutes) to be assured that the sample lines are flushed out with liquid being sampled.

    Note: Record the flow from FI-664 and flush time on data sheet.

16. When flush is completed, turn HC-626 sample source selector switch to position 2 for a jet pump sample or position 4 if reactor valves were positioned for a RHR sample. Adjust FCV-627 for a flow of 0.3 gpm (to adjust FCV-627 use PCV-627).

17. Turn the dissolved gas and liquid sample system switch HC-601 to position 1 and observe that P-701 starts and valve CV-622 rotates.

18. Turn switch HC-601 to position 2. Observe that P-601 starts.

19. Record the following on the data sheet:

    Flow FI-664
    Pressure PI-661
    Temperature TI-660
    Conductivity CI-663
    Radiation RI-665

20. Turn switch HC-601 to position 3 to isolate the sample and start the dissolved gas separator. Leave in this position for approximately 10 seconds.

21. Turn HC-601 to position 4 to inject tracer gas into valve CV-615. When the valve is rotated during the next step the tracer gas trapped in the passage of the ball valve will be inserted in the sample flow loop. Leave in this position for approximately 10 seconds. Read and record the tracer gas supply system pressure so tracer gas can be accurately calculated. The flow of tracer gas should be very small so that pressure drops in the line and valves will be insignificant.

22. Note: If it is not desirable to introduce tracer gas, turn HC-601 to position 5 quickly and valve will not rotate.

    Turn HC-601 to position 5. Let some of the dissolved gas separate from the liquid.

23. Read and record initial pressure PI-662 (P-0).

24. Turn HC-601 to position 6*. Pump P-601 stops and CV-653 opens relieving liquid loop pressure.

    *Note: Do not leave HC-601 in position 6 for more than 5 seconds.

25. Turn HC-601 to position 7. This will bring the rest of dissolved gas into V-610. Leave in position for 10 seconds.

26. Read and record PI-662 on P-1. This will be the approximate pressure of the liquid loop.

27. Turn HC-601 to position 8 for no more than 5 seconds (this will open CV-653 again). Dissolved gas will rise to hold up cylinder V-610 an then into collection chamber V-662.

28. Turn HC-601 to position 9 to get ready to take the dissolved gas sample or to relieve the collection chamber pressure. Pump P-601 will stop so that if the relieve pressure option is next exercised record PI-662 as P2 on data sheet as this is the pressure of the liquid sample loop.

29. To take the dissolved gas sample, switch HC-652 will be used. When HC-652 is turned clockwise to gas sample, the pressure as indicated by PI-662 will decrease while the dissolved gas is drawn into sample bottle. Turn HC-652 to gas sample and hold for at least 10 seconds until PI-662 is very steady. Then release HC-652 and it will spring back to center position. Turn HC-652 again to gas sample. Verify equalized pressure and read PI-662. Record the steady pressure as P3 reading on the data sheet.

30. As an alternate to step 29, when a dissolved gas sample is not desired, it is only necessary to relieve the gas pressure back to the suppression pool by rotating switch HC-652 counter clockwise to the relieve pressure position and hold it while watching PI-662. The pressure will equalize rapidly.

31. If a large volume liquid sample is desired, turn HC-601 to position 10. HC-629-1 must be pushed and held for 10 seconds or more for liquid to be drawn into the sample bottle. If a large liquid sample is not desired, turn switch HC-601 to the off position very quickly so that valve CV-620 will not rotate and no radioactive liquid will be in the line ahead of CV-629.

32. Turn HC-601 to off.

33. Lower liquid sample bottle into large cask by pulling up on the plunger handle. Note: Do not turn or twist bottle while it is on the needles because the needles will bend.

34. Lower the cask on the cart by relieving hydraulic oil pressure with the small petcock handle on the hydraulic cylinder.

35. Roll the cask out from under the sample station and quickly plug cask. Use the cask to transport the sample if greater than 100 mr/hr.

36. Open and place gas vial carrying cask near sample station. Remove gas vial positioner from sample enclosure. Keep the vial at maximum distance from the individual and insert sample bottle into the gas vial cask. Close and latch the gas vial cask.

37. Perform a flush of the liquid system with switch HC-628-1.

38. Check that the demin water tank is full. Verify that the demin water tank is pressurized to at least 100 psig.

39. Make sure that FCV-627 is open by adjusting PCV-627 to 15 psig.

40. Switch HC-626 must be in position 2 (jet pump) or 4 (RHR) and HC-700 must be in the liquid position.

41. Turn the flush system switch HC-628-1 to position 2 which will close the inlet sample lines and start the flush with demineralized water from V-501. Observe that there is a flow per FI-664.

42. After RI-665 shows radiation has decreased significantly, or after 5 minutes, turn switch HC-628-1 to position 3 to flush the V-610 loop. Watch RI-665.

43. After a few minutes, turn switch HC-628-1 to position 4 and flush the P-601 loop. Watch RI-665.

44. After a few minutes, turn switch HC-628-1 to position 5 and flush valve CV-615. Watch RI-665.

45. After a few minutes, turn switch HC-628-1 to position 6 and flush the piping station for 3 minutes.

46. Turn switch HC-628-1 to position 7 for a few minutes to flush loop CV-622 again. Watch RI-665.

47.. Turn HC-626 to off FIRST and then HC-628-1 to off.

48. If RI-665 did not indicate an acceptable radiation level at any step of the operation, go back and repeat Steps 40 thru 47.

49. Perform the drain of trap, sump and collection following procedure listed in Appendix A.1.

50. If this is the last sample desired, turn all switches to the upright and off position (except for HC-723 which is left in position 3) before turning power off. Close N2 bottle valve and tracer gas bottle valve. Close FCV-627 by setting PCV-627 to 0 psig. File data sheets in Chem. Lab binder. Return key to Shift Supervision or Chemistry Supervision.

51. Take the samples to the appropriate lab for analysis. Have the dissolved gases analyzed for volume of H2, O2, and tracer gas. Calculate % of H2 and O2 on the data sheet.

52. Document that the valves that were lined up for sampling have been returned to normal using Appendix A.4.

53. Return completed Appendix A.4 to Shift Supervision for review at the completion of sampling. File in complete EP-205A.1 file.

EP-205A.1 Post Accident Sampling Station

Data sheet for Large Volume Liquid Sample and/or Dissolve Gas Sample

1. Sample Source__________Date__________Time__________

1a. Tracer Gas Pressure__________PSIG

2. Bypass Flow__________FI-664 GPM

3. Flush Time__________Minutes

4. Sample Flow__________FI-664 GPM

5. Pressure__________PI-661 PSIG

6. Temperature__________TI-660

7. Conductivity Meter__________Scale__________CI-663

8. Radiation__________RI-665

9. Tracer Gas Supply System Pressure__________PSIG

9a. Initial Pressure P-O__________PI-662

10. Pressure P-1__________PI-662

11. Stabilized Pressure P2__________PI-662

12. Sample Pressure P3__________PI-662

13. V1 H2 (From GC)__________ml

14. V2 O2 (from GC)__________ml

15. V2 KR (from GC)__________ml

16. Vol % O2__________%

$$\text{Vol \% O2} = \frac{(V2^{O2} - .2P\ )}{17317} \times \frac{(P^{Kr} + 14.7)}{V2\ Kr}$$

17. Vol % H2 __________%

$$\text{Vol\% H2} = \frac{V1^{H2}}{17317} \times \frac{(P^{Kr} + 14.7)}{V2\ Kr}$$

Note: Dissolved gas pressure PI-662 is in psig for Unit 2 and psia for Unit 3.

APPENDIX A.4 SMALL VOLUME LIQUID SAMPLE

PREREQUISITES:

1. System lined up in accordance with C.O.L. S.20.1.

2. Obtain the key to the control panel power from Shift Supervision or Chemistry Supervision.

PROCEDURE:

1. If the RHR line is to be used, have the shift open the RHR sample line valves and document the valves that are changed using Appendix A.4. Bypass isolation per GP-8A.

Unit 2	Unit 3	
AO 8098A	AO 9098A	A Line
AO 8099A	AO 9099A	
AO 8098B	AO 9098B	B Line
AO 8099B	AO 9099B	

2. Perform the drain and blow out operation per Appendix A.1.

3. Open the N2 bottle valve and regulate to approximately 80 psig.

4. Check that the demin water tank is full. Verify that the demin water tank is pressurized to at least 100 psig.

5. Load the syringe with 10cc of demin water. Place stopcock on the syringe and load the assembly onto the injection port.

6. Check that the small volume cask is in the cask positioner, and that both are hanging from the hooks below the sample station.

7. Remove stopper and carrying handle from the small cask by unscrewing it and lifting it out. Leave stopper near by.

8. Put a 15 ML sample bottle with an outer aluminum retainer ring and neoprene cap into a small volume cask. Check that the bottle lifting lever is free to move up and down. The bottle must fit snugly in the holder and be vertically aligned. If the bottle does not fit snugly, use a small pad of rubber or felt, thick enough to hold vial against the upper yoke of the vial holder.

9. Make certain the lead shielding drawer is out so that the needles under the sample station enclosure are exposed. Quickly inspect the needles with a mirror and flashlight. Check that the longest part of the needle is toward the center of the sample vial.

10. If a RHR sample is desired, close the sample line valves to feedwater sample sink and document on Appendix A.4.

Unit 2	Unit 3
AO8110A	AO9110A
AO8110B	AO9110B

11. With control panel power on, set switch HC-700 to the liquid position and liquid sample selector switch HC-626 to position 2 if a jet pump sample is desired or to position 4 if the reactor valves were set for a RHR sample.

12. Swing the cask into position under the sample station and lock the arms of the cask holder so the cask and bottle will remain in position.

13. Raise the sample bottle into position on the needles by moving the lever on the side of the cask.

14. Screw the lift rod in to hold the sample bottle in the engaged position. Note: If the vial doesn't clear the entry hole, lower the vial and rotate the small volume cask about 1/8" in either direction. If it still doesn't fit either the liquid vial positioner fixture or liquid tray positioner need adjustmen' Note: The green light for the small volume sample should be on. If the light remains red, unscrew the lift rod, lower the bottle and reposition.

15. Turn liquid sample selector switch HC-626 to position 1 for a sample from the jet pump line or to position 5 for a sample from the RHR line. Adjust PCV-627 so that the flow thru FCV-627 is 1 gpm. (See FI-664). Continue this flow thru bypass valve CV-626 for a long enough period to be assured that the sample lines are flushed. The minimum time required to do this is 7 minutes. Record the flow and flush time on the data sheet.

16. After flush is completed, turn switch HC-626 to position 2 (for jet pump sample) or position 4 (for RHR sample). Note that the flow on indicator FI-664 is greatly reduced. Adjust valve FCV-627 for a flow of 0.3 gpm, using PCV-627.

17. Record the following on the data sheet: Flow/FI-664, Pressure/PI-661, Temperature/TI-660, Conductivity/CI-663 and Radiation/RI-665.

18. Turn small volume sample switch HC-616-1 to "Take Sample" position. Valve CV-616 will rotate and carry the sample into alignment with the line to the sample bottle. Wait for valve CV-616 light to come on.

19. Open the stopcock on the syringe and inject 10 cc of water into the line. Close the syringe stopcock. Remove the syringe and fill it with air. Reattach the syringe, open the stopcock and inject the air. Perform this air flushing two or three times.

20. Unscrew the lift rod and lower the sample bottle.

21. Remove the sample frc ı the cask by using cotton liners and gloves. If the sample is greater than 100 mR/hr, use the lead pig to carry the sample to the Chem Lab.

22. Turn the switch HC-616-1 to the flush position. Make sure there is enough flow by adjusting PCV-627 so that it is set to at least 15 psig. Flush for 5 minutes and/or until RI-665 reaches a minimum.

23. When the flush is complete, turn HC-626 off FIRST and then HC-616-1 to off.

24. Perform the drain of trap, sump, and collector following Appendix A.1.

25. If this is the last sample desired, turn all switches to the upright and off position (except for HC-723 which is left in position 3) before turning power off. Close the N2 bottle valve. Close FCV-627 by setting PCV-627 to 0 psig. File data sheet in Chem. Lab binder. Return the key to Shift Supervision or Chemistry Supervision.

26. Document that the valves that were lined up for sampling have been returned to normal using Appendix A.4.

27. Return completed Appendix A.4 to Shift Supervision for review at the completion of sampling. File in completed EP-205A.1 file.

EP-205A.1 Post Accident Sampling Station

Data Sheet for Small Volume Liquid Sample

1. Sample Source_________Date__________Time_________
2. Bypass Flow_________FI-664 (gpm)
3. Flush Time_________Minutes
4. Sample Flow_________FI-664 (gpm)
5. Pressure_________PI-661 (psig)
6. Temperature_________TI-660 (F)
7. Conductivity Meter_________Scale_________CI-663
8. Radiation_________RE-665

APPENDIX A.1 DRAINING TRAP, SUMP AND COLLECTOR

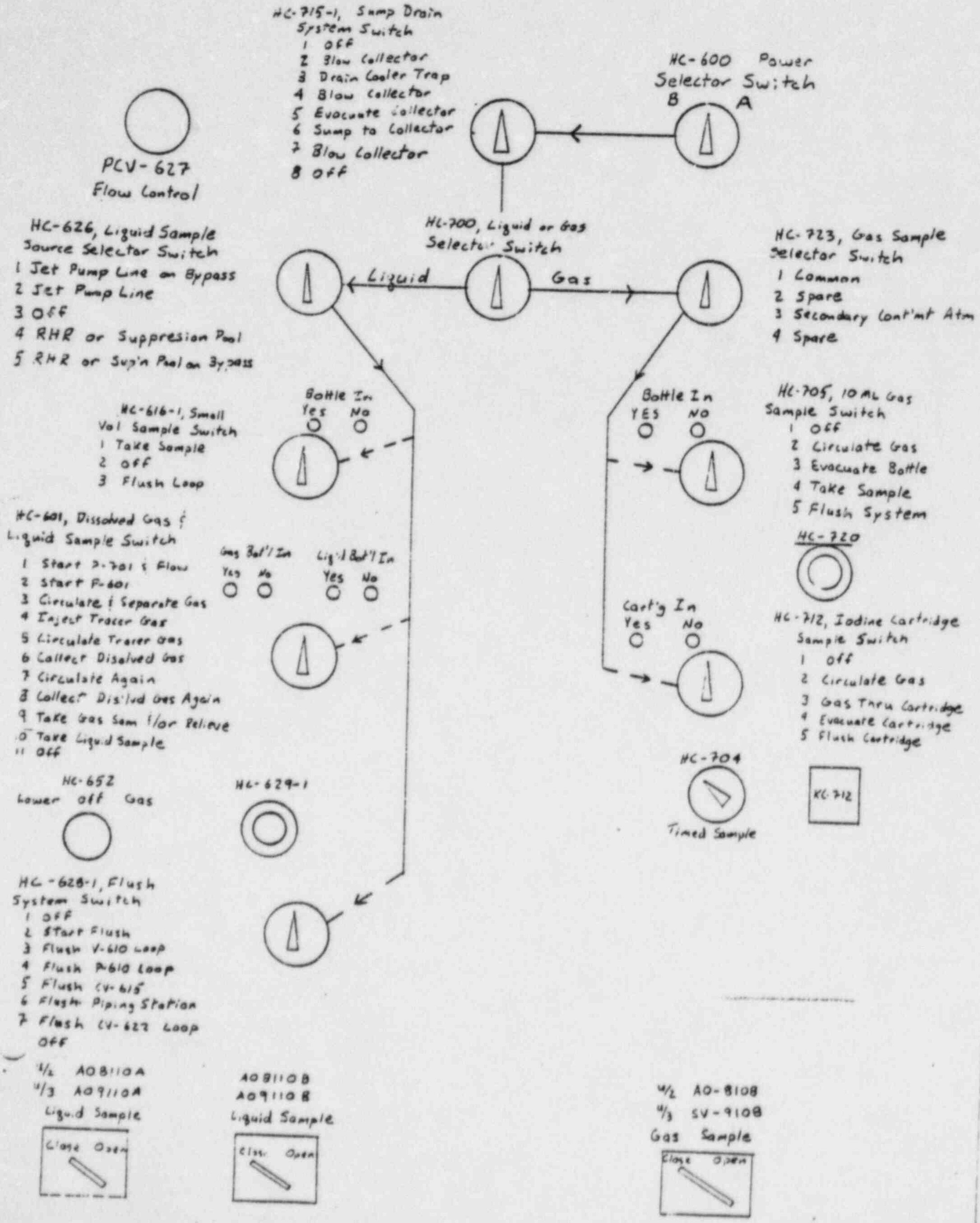
PREREQUISITES:

1. System lined up in accordance with C.O.L. S.20.1.
2. Obtain the key to the control panel power from Shift Supervision or Chemistry Supervision.

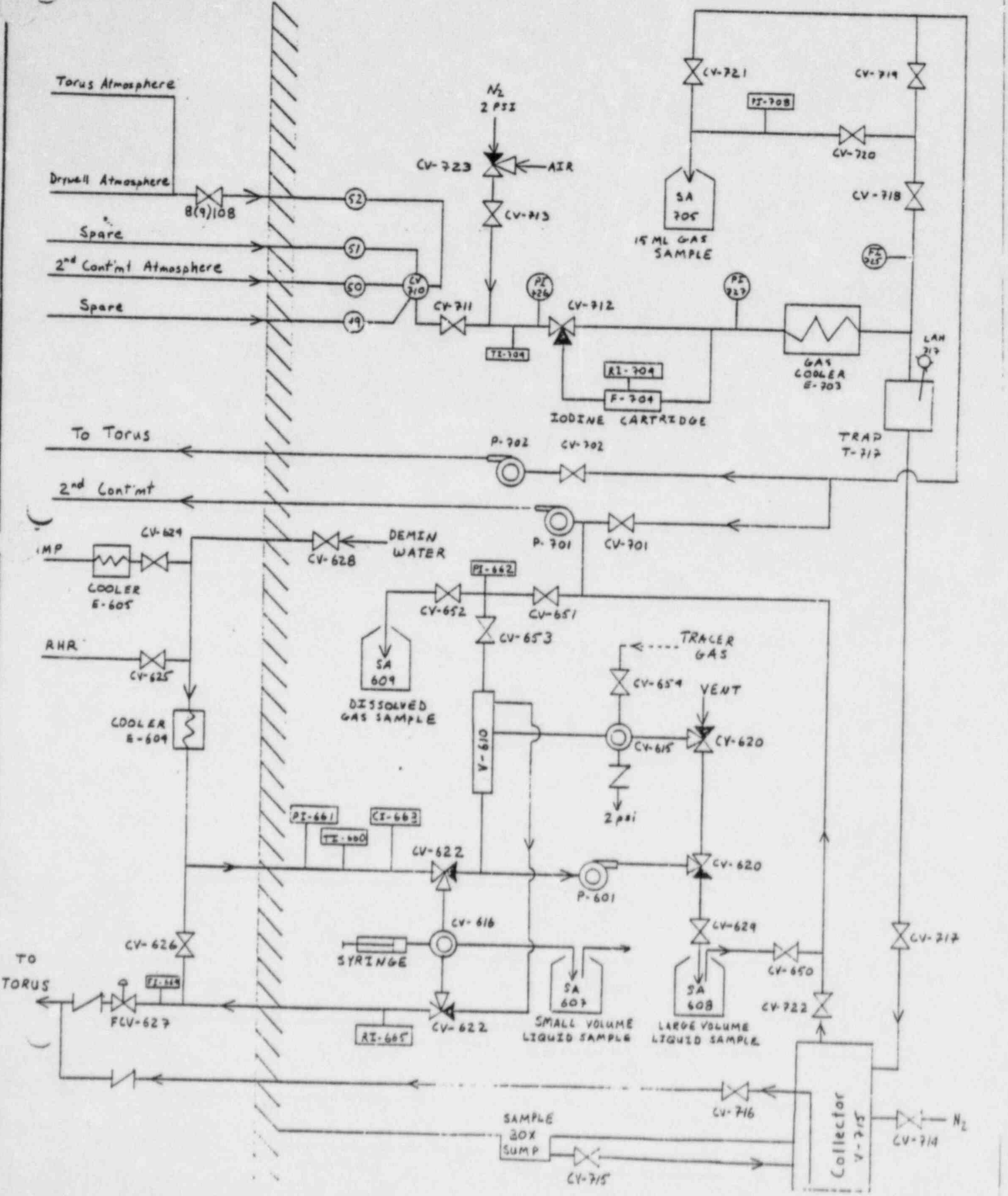
PROCEDURE:

1. Check that the nitrogen supply valves are open and that pressure is set at 80 psig.
2. Check that the demineralized flush water tank V-501 is full and is pressurized to at least 100 psig and that the valves are open to the sample station.
3. Check that PCV-627 is open. If not open, use the knob adjacent to PCV-627 on the control panel to have a 15 psi reading on the gauge.
4. Turn all control panel switches up and off (except for HC-723 which is left in position 3) and then turn the control panel power selector switch to "A" or "B".
5. Drain the collecting tank and sump by turning switch HC-715-1 clockwise through its eight positions. Pause approximately 5 seconds at each position.
6. Turn all switches to their 'off' position, except for HC-723 which is left in position 3 and for the control panel power switch.
7. Return to the original section from which this appendix was referenced.

APPENDIX A.2 POST ACCIDENT SAMPLING STATION CONTROL SWITCHES



APPENDIX A.3 SCHEMATIC OF POST-ACCIDENT SAMPLE STATION



APPENDIX A.4 DOUBLE VERIFICATION SHEET FOR REACTOR VALVES

Unit___________ Date______________ Time______________

A control room operator should circle the valves that are changed for sample line up and initial beside each circle. (Strike out any valves not changed from normal.)

Sample	Unit 2	Unit 3	Double Verify with Initials that the System Valves are Returned to Normal (Closed unless required for other sampling - note valves left open)	
Torus I		5960A____	____	____
		5961A____	____	____
		5966A____	____	____
		9101 ____	____	____
		5951B____	____	____
		5950B____	____	____
		SV-9108 ____	____	____
		Initial		
Torus II	4960D____		____	____
	4961D____		____	____
	4966D____		____	____
	8101 ____		____	____
	4951B____		____	____
	4950B____		____	____
	AO-8108 ____		____	____
	Initial			
Upper Drywell I		5960B____	____	____
		5961B____	____	____
		5966B____	____	____
		9101 ____	____	____
		5951B____	____	____
		5950B____	____	____
		SV-9108 ____	____	____
		Initial		
Lower Drywell II	4960C____		____	____
	4961C____		____	____
	4966C____		____	____
	8101 ____		____	____
	4951B____		____	____
	4950B____		____	____
	AO-8108 ____		____	____
	Initial		Initial	Initial
At PASS Panel	AO-8108____ Chem.Initial	SV-9108____ Chem.Initial	____ Chem.Init.	____ Chem.Init.

Sample	Unit 2	Unit 3	Double Verify with Initials that the System Valves are Returned to Normal (Closed unless required for other operations note valves left open)	
RHR		AO9098A	______	______
		AO9099A ______	______	______
		AO9098B ______	______	______
		AO9099B ______	______	______
		Initial	______	______
	AO8098A			
	AO8099A ______		______	______
	AO8098B ______		______	______
	AO8099B ______		______	______
	Initial		Initial	Initial
At PASS Panel		AO9110A		
		AO9110B ______	______	______
	AO8110A ______	Chemist ______	______	______
	AO8110B	Initial	______	______
	Chemist Initial		Chemist Initial	Chemist Initial
Jet Pump	Verify that the Jet Pump Line Sample valve is closed, CV-624 and that the flow by FI-664 is zero.		Chemist Initial	Chemist Initial

Reviewed by Shift Supervision: ______________________________

This appendix should be filed in the EP-205A.1 file Double Verification Sheet History File in the station files.

ddmath
9-18-84

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 AND 3

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-205B RADIATION SURVEY GROUPS

PURPOSE:

To define the actions of the Radiation Survey Groups.

REFERENCES

1. Peach Bottom Atomic Power Station Emergency Plan

Section	Title
5.2.1.5.5.1	Field Surveys
5.2.1.5.7.2	Plant Surveys

2. Health Physics Operating/Chemistry Operating Procedures

Number	Title
HPO/CO-4	Radiation Work Permits
HPO/CO-8	Decontamination of Tools and Equipment
HPO/CO-11	Establishing and Posting Radiologically Controlled Areas
HPO/CO-60	Field Use of Eberline Ion Chamber Model RO-1 Radowl
HPO/CO-62	Field Use of Eberline GM Detector Model E-400
HPO/CO-63	Field Use of Eberline Contamination Monitor Model RM-14
HPO/CO-64	Field Use of Eberline RM-14 and HP-210 Probe as a Field Scaler
HPO/CO-65	Field Use of a Low Volume Portable Air Sampler
HPO/CO-67A	Field Use of TCS Air Sampling System for the Determination of Iodine

3. NUREG 0654 Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

APPENDICES

EP-205B-1 Onsite Survey Data Sheet
EP-205B-2 Emergency Exposure Limits (Emergency Plan Table 6.1)

ACTION LEVEL

The Field Survey Group will be activated as necessary by the Dose Assessment Team Leader. The Plant Survey Group will be activated as necessary by the Personnel Safety Team Leader.

PRECAUTIONS

1. The group member's exposure should be limited to the administrative guide levels in Appendix EP 205B-4, Emergency Exposure Limits. Team members should control their exposure in accordance with ALARA concepts at all times.

2. If the equipment in use during a survey fails or malfunctions, it must be repaired or replaced; otherwise, the survey team shall retreat to a safe area until the equipment is replaced or repaired.

3. When conducting field surveys from inside a vehicle, readings must be taken with the probe outside the vehicle.

4. Requirements of HPO/CO-4, Radiation Work Permits, are not applicable.

IMMEDIATE ACTIONS

1.0 Personnel Safety Team Leader shall:

1.1 Report to the TSC (3rd floor Unit One).

1.2 Appoint a Plant Survey Group Leader to direct Plant Survey Squads and assist with In-plant Radiation Surveys.

1.3 Instruct the Plant Group Leaders in the areas to be surveyed.

1.4 Instruct the Plant Group Leaders to report the progress and results of the surveys on a periodic basis via the "operator" radios which they will carry with them when they are dispatched from the Emergency Operations Facility to make surveys.

1.5 Appoint a group member to stay in the Technical Support Center and establish and maintain communications from Plant Survey Groups in order to record survey data for dose assessment purposes.

2.0 Plant Survey Group Leader shall:

2.1 Report to the Aux. OSC (Unit 2 Turbine Building El. 116').

2.2 Dispatch squads to survey areas in the plant and on-site. A squad consists of 2 H.P. Technicians 'B' or contractor "responsible" technicians.

2.3 Post areas as necessary to prevent the spread of contamination and accumulation of large doses of radiation to operating personnel.

2.4 Relay the results of the surveys to the Personnel Safety Team Leader and the Control Room.

2.5 Provide plant survey group members with sufficient plant status of radiation and contamination hazards to allow them to maintain radiation and contamination exposure to within approved levels.

3.0 Plant Survey Group Members shall:

3.1 Report to the Aux. OSC (Unit 2 Turbine Building El. 116').

3.2 Obtain necessary equipment for conducting the surveys as assigned by the Plant Survey Group Leader in Step 2.1. Equipment can be obtained from emergency kits in the Emergency Operations Facility or from normal storage location of HP portable instruments. Obtain a sufficient number of data forms (EP-205B - Appendix 1).

3.3 Check that equipment is functional before leaving for surveys. Additionally, ensure you possess the proper personnel dosimetry and pocket dosimeter is zeroed, prior to leaving to conduct surveys.

3.4 Conduct surveys when directed to do so by the Plant Survey Group Leader. Fill out appropriate sections of Appendix EP 205B-1.

3.5 During transit to specified areas, observe the energized survey instruments for changes above background levels. Reference level is waist high from the ground.

3.6 Use the GM survey meter to scan close to ground surfaces to detect deposits of contamination. Obtain shielded and unshielded readings to determine Beta/Gamma ratio.

3.7 Report data to the Plant Survey Group Leader via "operator" radios or best available communications method.

3.8 Air samples are to be taken to count room facilities either at Units 2 and 3, Unit 1, or RMC Van.

3.9 Frisk before leaving any area which may be contaminated.

4.0 Dose Assessment Team Leader shall:

4.1 Report to TSC during an alert or the EOF if activated.

4.2 Appoint a Field Survey Group Leader to direct Field Survey Squads and assist with Field Radiation Surveys.

4.3 Instruct the Field Survey Group Leaders in the areas to be surveyed.

4.4 Instruct the Field Survey Group Leader to report the progress and results of the surveys on a periodic basis via the "operator" radios which they will carry with them when they are dispatched from the Emergency Operations Facility to make surveys.

4.5 Appoint a group member to stay in the Emergency Operations Facility and establish and maintain communications from Field Survey Squads in order to record survey data for dose assessment purposes.

5.0 Field Survey Group Leader shall:

5.1 Report to the EOF (second floor Unit One).

5.2 Dispatch squads, to monitor areas offsite, as designated by the Radiation Protection Team Leader. A squad consists of one H.P. Technician 'B' and one driver.

5.3 Maintain communications with survey teams via operator radios.

5.4 Analyze and relay the collected survey data to the Dose Assessment Team Leader.

6.0 Field Survey Group Members shall:

6.1 Report to the EOF (second floor Unit One).

6.2 Acquire equipment & maps as the situation requires from the Emergency Operations Facility. Ensure you carry proper personnel dosimetry for the surveys you are to perform and pocket dosimeters are zeroed prior to leaving to conduct surveys. Operator radios are located in the Communication Room of the Emergency Operations Facility.

6.3 Inform senior ranking Security officer of vehicle license plate number of field survey vehicles and personnel assigned to those vehicles. During transit to the specified areas, observe the energized survey instruments for changes above background levels. Reference level is waist high from the ground.

6.4 Conduct surveys as assigned by the Field Survey Group Leader. (Fill out appropriate portions of Appendix EP 205B-1.) Use GM survey meters to scan close to ground surfaces to detect deposits of contamination. Obtain shielded and unshielded readings to determine Beta/Gamma ratio. All air samples taken should be counted in the field. Refer to HPO/CO-60 thru 67A for methods to take the various field samples required.

6.5 Upon completion of the surveys, return the vehicle to a predetermined area (preferably the Delta Service Building) for possible decontamination.

6.6 Survey the vehicle and decontaminate in accordance with HPO/CO-8, Decontamination of Tools and Equipment, as necessary. If the vehicle was contaminated, inform the Field Survey Group Leader.

6.7 Report data to the Field Survey Group Leader via "operator" radios.

6.8 Frisk before leaving any area which may be contaminated.

FOLLOW-UP ACTIONS

1.0 Dose Assessment Team Leader and Personnel Safety Team Leader shall:

1.1 Analyze survey data and relay this data to the Site Emergency Coordinator (if activated) and the Emergency Director.

1.2 Provide the survey teams with appropriate information as to plant status and expected radioactive "plume" movement which may affect the activities of the teams. Advise team members to be cognizant of "plume" and to move to edge of plume after data is collected. (Maximum advantage should be made of time, distance and shielding in accordance with ALARA considerations).

2.0 Field Survey Group Members shall:

2.1 In case of failure of primary communications radios, locate the nearest commercial (pay) telephone and pass information via this secondary means of communications.

PBAPS - RADIATION - CONTAMINATION - AIRBORNE SURVEY

RECORD - UNIT 2 ☐ - UNIT 3 ☐ - Offsite

R.W.P. NO: ____________

SURVEY NO. ____________

DATE - ____________ TIME - ____________ SURVEY BY - ____________

AREA - (Location) ____________

REASON - ____________

Instrument Type ____________
Range or Model Number ____________
Serial Number ____________

- RADIATION -

		BETA MRAD/HR.	GAMMA MR/HR.	NEUTRONS MREM/HR.	TOTAL MREM/HR.	DISTANCE
1.						
2.						
3.						
4.						
5.						

Instrument Type ____________
Range or Model Number ____________
Serial Number ____________

Type of Samplers and Serial Number ____________
Type of Counting Instrument & Serial Number ____________

- CONTAMINATION -

	ITEM	BETA+GAMMA DPM/100 cm^2	ALPHA DPM/100 cm^2
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

- AIRBORNE - Total Volume ____________

SAMPLING Time START - ______ STOP - ______	AVERAGE FLOW RATE FT^3/MIN. ______	COUNTER ______ EFF. ______

	ISOTOPE(S)
GROSS COUNTS ______	
COUNTING TIME ______ MIN.	
GROSS COUNTS/MIN. ______	
BACKGROUND (CPM) ______	
NET CPM ______	
*MICRO-CURIES/CUBIC CENT. (SPECIFIC ACTIVITY)	MPC Functions = $\frac{uCi/cc}{MPC\ I_{131}}$(____)

$$* \frac{\text{NET CPM}}{\text{SCALER EFF.} \times \text{FILTER EFF.} \times \text{AREA FRACTION} \times \text{VOLUME } (FT^3) \times 6.28 \times 10^{10}}$$

Specify Activity Based on Gamma Spectroscopy (computer printout)

REMARKS/AREA DIAGRAM -

APPENDIX EP 205B-2

Emergency Exposure Limits

Function	Projected Whole Body Dose	Thyroid Dose	Authorized By
1. Life Saving and Reduction of Injury	75 rem*	375 rem	Emergency** Director
2. Operation of Equipment to Mitigate an Emergency	25 rem*	125 rem	Emergency** Director
3. Protection of Health and Safety of the Public	5 rem	25 rem	Emergency Director
4. Other Emergency Activities	10 CFR 20 limits	10 CFR 20 limits	Emergency Director
5. Re-Entry/ Recovery Activities	Administrative Guidelines	Administrative Guidelines	N/A

*Reference: EPA-520/1-75-001 Table 2.1
**Such exposure shall be on a voluntary basis

CONTROLLED APPROVED COPY
VOID PREVIOUS ISSUE
DISTRIBUTION PER A-2

9-20-84

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 AND 3

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-205C PERSONNEL DOSIMETRY, BIOASSAY, AND RESPIRATORY PROTECTION GROUP

PURPOSE

To define the actions of the Personnel Dosimetry, Bioassay and Respiratory Protection Group.

REFERENCES

1. Peach Bottom Atomic Pow Station Emergency Plan

Section	Title
5.2.2.2.1.d	Personnel Dosimetry/Bioassay/Respiratory Protection

2. Health Physics Operating/Chemistry Operating Procedures

HPO/CO-9	Respiratory Protection Program
HPO/CO-9b	Respiratory Protective Equipment Selection and Use
HPO/CO-9c	Respiratory Protective Equipment Maintenance and Quality Assurance
HPO/CO-13a	Control of Personnel Dosimetry Badges
HPO/CO-26	Personnel Bioassay Program

3. NUREG 0654 — Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

APPENDICES

EP 205C-1 Dosimetric Devices Log

EP 205C-2 Bioassay Record Form

ACTION LEVEL

The Personnel Dosimetry, Bioassay, and Respiratory Protection Group will be activated whenever there is a need for issuing emergency dosimetry, respiratory protective devices or for emergency bioassay monitoring as determined by the Personnel Safety Team Leader, Emergency Director or the Site Emergency Coordinator.

PRECAUTIONS

None

IMMEDIATE ACTIONS

1.0 Personnel Safety Team Leader shall:

1.1 Determine what type of services are required of the Personnel Dosimetry, Bioassay, and Respiratory Group.

Personnel Dosimetry (Part A of this procedure)___________

Bioassay, Whole Body Counting, or other bioassay methods (Part B of this procedure)___________

Respiratory Protection, Fitting (Part C of this procedure)___________

1.2 Contact the Personnel Dosimetry, Bioassay and Respiratory Protection Group Leader and inform him of the services needed from Step 1.1. Direct him to assemble the equipment and supplies required for the group to operate, and tell him where services are required.

2.0 Personnel Dosimetry, Bioassay, and Respiratory Protection Group Leader shall:

2.1 Assemble the equipment and supplies deemed necessary by the Personnel Safety Team Leader in Step 1.2.

2.2 Instruct the group members to perform a check of the equipment they receive.

2.3 Direct the group to report to the area specified by the Personnel Safety Team Leader.

PART A, EMERGENCY DOSIMETRY ISSUANCE

1.0 Personnel Dosimetry, Bioassay, and Respiratory Protection Group Leader or his designee shall:

1.1 Arrange to obtain a supply of dosimetric devices.

1.2 Take the emergency dosimetric devices to the area designated by the Personnel Safety Team Leader.

1.3 Coordinate with the Senior Ranking Security Officer, on shift, issuing dosimetry to emergency team personnel and offsite emergency response teams (i.e., ambulance crews, fire-fighting crews, etc.), in accordance with HPO/CO-13a, Control of Personnel Dosimetry Badges.

1.4 Maintain a list of the personnel to whom dosimetric devices are distributed. See Appendix EP 205C-1, Dosimetric Devices Log.

1.5 Commence follow-up actions.

2.0 Designated individual in Emergency Operations Facility shall:

2.1 Distribute dosimetric devices obtained from Emergency Team Leaders in the Emergency Operations Facility to all personnel who respond to an emergency by reporting to the Unit 1 Emergency Centers.

2.2 Maintain list of individuals issued dosimetry.

PART B, PERSONNEL BIOASSAY

1.0 Personnel Dosimetry, Bioassay, and Respiratory Protection Group Leader shall:

1.1 Report to the area designated when directed by the Personnel Safety Team Leader and pick up sample containers necessary for bioassay specimens.

1.2 Obtain a list of personnel who may require monitoring for internal contamination from the Personnel Safety Team Leader.

1.3 As soon as practicable, locate these people and obtain necessary samples in accordance with HPO/CO-26, Personnel Bioassay Program.

PART C, RESPIRATORY PROTECTION

1.0 Personnel Dosimetry, Bioassay, and Respiratory Protection Group Leader shall:

1.1 Report to the area requiring respiratory equipment fitting and supervision, as specified by the Personnel Safety Team Leader.

1.2 Supervise the respiratory fit personnel during the distribution and fit of respiratory protective equipment in accordance with HPO/CO-9, Respiratory Protection Program, HPO/CO-9b, Respiratory Protective Equipment Selection and Use, HPO/CO-9c, Respiratory Protective Equipment Maintenance and Quality Assurance.

FOLLOW-UP ACTIONS

PART A, EMERGENCY DOSIMETRY ISSUANCE

1.0 Personnel Dosimetry, Bioassay, and Respiratory Protection Group Leader shall:

1.1 Establish a dosimetric device collection station.

1.2 Obtain any remaining information necessary to complete Appendix EP 205C-1.

1.3 Arrange to have dosimetric devices processed.

FOLLOW-UP ACTIONS

PART B, PERSONNEL BIOASSAY

1.0 Personnel Dosimetry, Bioassay, and Respiratory Protection Group Leader shall:

1.1 Compare the results of the bioassay analysis with the most recent analysis performed on the person (if available) prior to the emergency.

1.2 Report results to the Personnel Safety Team Leader.

FOLLOW-UP ACTIONS

PART C, RESPIRATORY PROTECTION

1.0 Personnel Dosimetry, Bioassay, and Respiratory Protection Group Leader shall:

1.1 Recover respiratory equipment and process for re-use in accordance with applicable section of HPO/CO-9c.

APPENDIX EP 205C-1
DOSIMETRIC DEVICES LOG
Peach Bottom Atomic Power Station

Social Security Number	NAME Last, First, Middle Init.	Date of Birth	Sex	Payroll No. or Affiliation	Job Func.	Self RDG dos No. RDG	Harshaw Badge No.	Eberline Badge No.	Escort Name if any

APPENDIX EP 205C-2
BIOASSAY RECORD FORM

Name	Soc. Sec. No.	PECO Payroll or Vendor Code No.	Type of Analysis[1]	Date	Team Mbr. Initials	Dosim., Bioassay, Resp. Prot. Suprv. Initials
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Note 1: Type of Analysis
WB = Whole Body Count
U = Urine Sample
S = Stool Sample

Forwarded to ____________________ For Retention

Date Forwarded __/__/__ By ____________________

Comments:____

CONTROLLED APPROVED COPY
VOID PREVIOUS ISSUE
DISTRIBUTION PER A-2

9-20-84

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 AND 3

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-207 PERSONNEL SAFETY TEAM ACTIVATION

PURPOSE:

To define the actions necessary to activate and assemble the Personnel Safety Team. The Personnel Safety Team performs the functions of Search and Rescue, First Aid, Personnel and Vehicle Monitoring and Decontamination, Plant Survey, and Personnel Dosimetry, Bioassay, and Respiratory Protection.

REFERENCES:

1. Peach Bottom Atomic Power Station Emergency Plan

Section	Title
5.2.1.5.7	Personnel Safety Team
6.7.1.1.4	Evacuation, Reassembly, and Accountability

2. Health Physics Operating/Chemistry Operating Procedures

Number	Title
HPO/CO-6	Personnel Contamination Survey Techniques
HPO/CO-7	Personnel Decontamination Procedure
HPO/CO-8	Decontamination of Tools and Equipment
HPO/CO-14	Identification and Control of Tools and Equipment in Controlled Areas

3. NUREG 0654 — Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

APPENDIX:

EP-207-1 Emergency Exposure Limits (Emergency Plan Table 6.1)

ACTION LEVEL:

The Emergency Director or Interim Emergency Director shall activace the Personnel Safety Team at his discretion.

PRECAUTIONS:

1. Team member's exposure should be limited to the administrative guide levels in Appendix EP 207-1, Emergency Exposure Limits. The Emergency Director shall approve any team member exceeding Peach Bottom quarterly exposure limits. Personnel Safety Team members shall control their own exposure in accordance with ALARA concepts.

2. Vehicles requiring decontamination could be decontaminated utilizing appropriate decontamination procedures at any of the following assembly areas:

   a) North Sub Station
   b) President's Utility Building (PUB)
   c) Delta Service Building

3. Permission of the Site Emergency Coordinator is required before decontamination of any vehicles due to large contamination control problems associated with this procedure.

IMMEDIATE ACTIONS:

1.0 Emergency Director or Interim Emergency Director shall:

1.1 Designate a Plant Operator to assume the role of Interim Personnel Safety Team Leader and direct this person to assemble the Interim Personnel Safety Team from available resources.

1.2 Inform the Interim Personnel Safety Team Leader of the reason for the team being activated.

1.3 Instruct the Interim Personnel Safety Team Leader to assemble the Interim Personnel Safety Team in the Operations Support Center on 135' elev. turb. bldg. or the Control Room, if the 135' elev. Operations Support Center is not habitable, for instructions (or as directed by the Emergency Director or Interim Emergency Director).

1.4 Call the Personnel Safety Team Leader. If the situation permits, discuss the problem with the Personnel Safety Team Leader so he can assess the situation and determine how many team members will be necessary for anticipated operations. If site evacuation has occurred, the Personnel Safety Team Leader and alternate will be stationed at the designated assembly area (either North Substation or PUB).

2.0 Interim Personnel Safety Team Leader shall:

2.1 Assign available personnel from the Operations Support Center or main control room to the required Personnel Safety Team Subgroups to carry out applicable portions of the following procedures as necessary.

EP 207A Search and Rescue
EP 207C First Aid

EP 207D Personnel Monitoring and Decontamination (Assembly Area)
EP 205B Radiation Survey Group - Plant Surveys
EP-205C Personnel Dosimetry, Bioassay, and Respiratory Protection Group

3.0 Interim Personnel Safety Team Members shall:

3.1 Follow the directions of the Interim Personnel Safety Team Leader.

4.0 Personnel Safety Team Leader shall:

4.1 Report to the Technical Support Center and coordinate with Personnel Safety Team to provide Emergency Director with site radiological data/ /personnel injury/contamination status and site evacuation status.

4.2 Utilize necessary members of the Personnel Safety Team to man Site Radiological Status Board and Communications in the Technical Support Center.

4.3 Ensure Personnel Safety Team members available at assembly areas (HP&C OSC on 116' elev. turb. bldg and designated evacuation assembly area).

4.4 Assign team members to functional groups as necessary in accordance with the following procedures:

Search and Rescue	EP 207A
First Aid	EP 207C
Personnel Monitoring and Decontamination	EP 207D
Vehicle and Evacuee Control	EP 207E
Vehicle Decontamination Procedure	EP 207F
Radiation Survey Group - Plant Surveys	EP 205B
Personnel Dosimetry, Bioassay, and Respiratory Protection Group	EP-205C

4.5 Designate Group Leaders for the functional groups formed.

4.6 Direct team members to assemble the equipment that will be needed to perform anticipated tasks (surveys, calculations, etc.).

4.7 Maintain communications via any available means with the groups after they have been sent to perform their assigned tasks.

4.8 Provide Plant Survey Group members with periodic plant status changes including significant radiation exposure and radioactive contamination problems which may affect the functions of the team.

4.9 Coordinate dispatching the Plant Survey Group under direction of the Emergency Director.

5.0 Personnel Safety Team Members shall:

5.1 Report to the areas designated by the Interim Personnel Safety Team Leader or Personnel Safety Team Leader as quickly as possible.

5.2 Obtain emergency equipment stored in the HP&C Operations Support Center on 116' elev. turbine bldg. or the Emergency Operations Facility as directed by the Personnel Safety Team Leader.

5.3 Verify operability of the emergency equipment assembled in the HP&C Operations Support Center on 116' elev. turb. bldg. or the Emergency Operations Facility.

5.4 Follow the directions of the Interim Personnel Safety Team Leader or the Personnel Safety Team Leader.

Appendix EP 207-1

Emergency Exposure Limits

Function	Projected Whole Body Dose	Thyroid Dose	Authorized By
1. Life Saving and Reduction of Injury	75 rem*	375 rem	Emergency** Director
2. Operation of Equipment to Mitigate an Emergency	25 rem*	125 rem	Emergency** Director
3. Protection of Health and Safety of the Public	5 rem	25 rem	Emergency Director
4. Other Emergency Activities	10 CFR 20 limits	10 CFR 20 limits	Emergency Director
5. Re-Entry/ Recovery Activities	Administrative Guidelines	Administrative Guidelines	N/A

*Reference: EPA-520/1-75-001 Table 2.1
**Such exposure shall be on a voluntary basis

CONTROLLED APPROVED COPY-
VOID PREVIOUS ISSUE
DISTRIBUTION PER ...

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 AND 3

9-21-84

EP-209 TELEPHONE LIST FOR EMERGENCY USE

PURPOSE:

To designate members of the Emergency Teams and to supply pertinent company and non-company emergency support personnel telephone numbers.

PROCEDURE:

The names and telephone numbers listed in the appendices of this procedure are arranged for use in an emergency. Each appendix represents a specific group of personnel. In some cases, a name will appear in more than one appendix. The appendices are:

Appendix No.	Description
A	Immediate Notification Lists
C	Peach Bottom Station Supervision
D1	On Site Emergency Team Leaders
D2	Dose Assessment Team
D3	Fire and Damage Team
D4	Personnel Safety Team
D5	Security Team
D6	Re-Entry Team
D7	Technical Support Center Group
D8	Chemistry SAmpling & Analysis Team
E	Corporate Emergency Team Leaders & Support Personnel
F	United States Governmental Agencies
G	Emergency Management Agencies
H	P.E. Company Consultants and Contractors
I1	Field Suport Personnel
I2	Rad Services Call List
J	Nearby Public & Industrial Users of Downstream Waters
K	Miscellaneous
L	Local PECo Phones
N	Medical Support Groups
P	60 Minute Call Procedure

INTERIM FIRE AND DAMAGE TEAM LEADERS

Shift Supervisors: Refer to Alternate Emergency Director

FIRE AND DAMAGE TEAM

The Fire and Damage Team consists of the interim team members, the on-shift P.O.'s, APO's, and A.O.'s. The team is augmented by other personnel who are on-site or called in. The augmenting forces are trained in fire fighting but not necessarily in the emergency plan. These augmenting forces operate under the direction of the team members and leaders hwo have had emergency plan training. The augmenting forces are:

1. Staff engineers and test engineers
2. Maintenance personnel
3. Construction personnel
4. Janitors and Storeroom personnel
5. Delta-Cardiff Volunteer Fire Department

Most personnel in Groups 1 through 4 receive PECo fire training; Group 5 personnel are trained in fire fighting by the Delta-Cardiff Volunteer Fire Company.

PERSONNEL SAFETY TEAM

The personnel safety team is made up of on-shift P.O.'s, A.P.O.'s, and A.O.'s who are trained in the Emergency Plan Procedures. The team is augmented by other site personnel such as plant janitors, test engineers, health physics technicians, and others whoa re not necessarily trained in the Emergency Plan but will assist under the direction of the team leaders and members.

SEARCH AND RESCUE GROUP/FIRST AID GROUP

The search and rescue group is organized by the Personnel Safety Team Leader at the direction of the Emergency Director. It will consist of personnel who are available which knowledgeable of the plant layout and recognize conditions which could result from the existing emergency condition. The purpose of this team is to search plant areas quickly to locate and rescue victims. Personnel who know plant layout and are available make up this team are from the following groups:

Shift Operators	Construction
Test Engineers	H.P. Technicians
Staff Engineers	Susquehanna Test Branch
Maintenance	Field Engineers
	Plant Janitors

INTERIM SECURITY TEAM LEADER AND TEAM MEMBERS

The security team is made up of the Guard Force. The sergeant of the guard is the Interim Team Leader. The guard force is trained in security and necessary Emergency Plan Procedures.

RE-ENTRY TEAM

The Re-Entry Team will be made up of available personnel. It is anticipated that personnel with some radiological controls experience or training would be used. Personnel from the following groups are available:

Shift Personnel	HP Technicians
Staff Engineer	Some Maintenance Personnel
Test Engineers	Some Construction Personnel

Specialized training is not required for personnel other than the team leaders.

TECHNICAL SUPPORT CENTER GROUP

The Technical Support Center Group is organized by the Emergency Director. It consists of various staff, administrative, and consulting personnel who can jointly provide recommendations to the Emergency Director intended to correct and improve emergency conditions.

REVIEW REQUIREMENTS:

1. Changes to this procedure proper shall be in accordance with A-4.

2. Additions, deletions, or changes of names or responsibilities on the appendices shall be PORC approved in accordance with A-4.

3. Corrections by addresses or phone numbers on the appendices may be handled by the secretarial staff without PORC review and approval; however, these appendices must be signed by the superintendent or alternate.

CONTROLLED APPROVED COPY-
VOID PREVIOUS ISSUE
DISTRIBUTION PER A-2

9-21-84

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 AND 3

EP-209 APPENDIX C - PEACH BOTTOM STATION SUPERVISION

Station Superintendent	Home Phone	Centrex
R. S. Fleischmann	[redacted]	
Assistant Station Superintendent		
D. C. Smith		
Engineer - Outage Planning		
F. W. Polaski		
Engineer - Maintenance		
J. K. Davenport		
Engineer - Technical		
J. E. Winzenried		

Engineer - Operations

S. R. Roberts

[redacted]

Engineer - HP & C

A. E. Hilsmeier

[redacted]

Engineer - Administration

S. J. Kovacs

[redacted]

Results Engineer

J. F. Mitman

[redacted]

Performance Group

G. F. Dawson

[redacted]

Security Supervisor

S. Q. Tharpe

[redacted]

Engineer - I&C

J. C. Clupp

[redacted]

Engineer - Chemistry

H. L. Watson

[redacted]

Engineer-Health Physics

N. F. Gazda

[redacted]

Quality Engineer

S. A. Spitko

[redacted]

Assistant Maintenance Engineer

D. B. Warfel

[redacted]

Engineer - Reactor

A. J. Wasong

[redacted]

Chemist

G. Barley

[redacted]

Individuals below are not required to be notified during an Alert, Site Emergency, or General Emergency.

Shift Superintendent

H. L. Metz
[redacted]

W. O. Pieper
[redacted]

T. J. Donaghy
[redacted]

W. B. Widener
[redacted]

D. R. Filson
[redacted]

F. J. Pfender, Jr.
[redacted]

Shift Supervisor

R. Sheetz
[redacted]

E. Alwood
[redacted]

A. R. Wargo
[redacted]

T. H. Jones
[redacted]

R. A. Blasy [redacted]

J. S. Webster [redacted]

D. S. Woodrow [redacted]

E.S. Cromwell, III [redacted]

RLSmith
9-15-84

EP-209 APPENDIX D-7 TECHNICAL SUPPORT CENTER GROUP

	Home	Centrex
Emergency Director	[redacted]	
R. S. Fleischmann		
Alternate		
D. C. Smith		
Technical Engineer		
J. E. Winzenried		
Alternates		
S. A. Spitko		
S. R. Roberts		
J. F. Mitman		
G. F. Dawson		
A. J. Wasong		
Supervising Engineers & Alternates		
Outage Planning Engineer		
F. W. Polaski		
Alternate: T. Niessen		
Administration Engineer		
S. J. Kovacs		
Results Engineer		
J. F. Mitman		
Alternate: J. Jordan		
I & C Engineer		
J. L. Clupp		
Alternate: S. Hess		

Performance Group:

G. F. Dawson

Reactor Engineer

A. J. Wasong

Alternate: J. T. Budzynski

Plant Chemist

H. L. Watson

Alternate: G. Barley

Quality Assurance Engineer

S. A. Spitko

Alternate: R. M. Sware

Maintenance Engineer ***

J. K. Davenport

Alternate: D. B. Warfel

Senior Health Physicist ***

A. E. Hilsmeier

Alternate: N. F. Gazda

Applied Health Physicist ***

N. F. Gazda

Alternate: C. S. Nelson

[redacted]

Record Keeper and Communicator

See EP-209 Appendix I-1 for personnel to fill this position.

Data Display Operators - 2 required

Notify one of the five persons in the order listed below. The person notified will contact two Data Display Operators.

1. R. O. Carr
2. K. T. Voight
3. C. E. Andersen
4. D. A. Davridge
5. D. D. Burguard

[redacted]

*** Required to report to the EOF when activated.

Secretaries
2 required

	Home	Centrex
L. McCleary	[redacted]	
W. Felts		
T. Hutton		
C. Brainerd		
S. Holgate		
J. Williams		
J. Wiley		

9-20-84

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM UNITS 2 & 3

EP-209 APPENDIX D-8 CHEMISTRY SAMPLING & ANALYSIS TEAM

Chemistry Sampling & Analysis Team Leader	Home Phone	Centrex
Harry Watson	[redacted]	

Alternate Chemistry Sampling & Analysis Team Leader

G. Barley [redacted]

Chemistry Sampling & Analysis Team Members

D. Odell

J. Valinski

T. King

B. Wargo

D. Chase

R. Arters

F. Kovacs

W. Hoopes

Supplemental Forces are available from Rad Services Inc. Appendix I-2.

CONTROLLED APPROVED COPY-
VOID PREVIOUS ISSUE
DISTRIBUTION PER A-2

9-20-84

EP-209 APPENDIX I-1   FIELD SUPPORT PERSONNEL

	Phone
J. T. Budzynski	[redacted]
C. E. Koppenhaver	
R. H. Wright	
J. G. Hufnagel	
P. L. Bushek	
M. S. Meckley	
C. N. Swenson	
G. A. John	
K. J. Goetz	
M. J. Lingenfelter	
K. May	
G. F. Verba	
K. R. Moser	
L. F. Vernacchio	
K. J. Bunch	
K. A. Schoenknecht	
D. L. Keene	
S. M. Hess	
L. Cobosco	
C. E. Watkins	
M. Coleman	
S. Herr	

D. Wheeler [redacted]

J. Rogenmuser [redacted]

D. Foss [redacted]

B. F. Maguire [redacted]

J. Capperella [redacted]

R. Stott [redacted]

J. Jordan [redacted]

M. Zarroli [redacted]

T. Geyer [redacted]

C. Schell [redacted]

J. J. McCormick, Jr. [redacted]

C. S. Kerr [redacted]

W. C. Frederick [redacted]

M. J. Kelly [redacted]

G. Siefert [redacted]

M. Restaino [redacted]

B. Geiger [redacted]

P. Maguire [redacted]

J. Heyne [redacted]

S. Gresh [redacted]

J. Gallaher [redacted]

M. S. Sattler [redacted]

T. Blumm [redacted]

R. A. Brower [redacted]

G. H. Gellrich [redacted]

J. E. Hessler, Jr. [redacted]

S. J. Mannix [redacted]

F. F. Mascitelli [redacted]

S. L. Wookey [redacted]

J. Troiano [redacted]

Y. Young [redacted]

K. McGuigan [redacted]

T. Rock [redacted]

L. Martin [redacted]

J. Lehane [redacted]

M. Alderfer [redacted]

L. Baccino [redacted]

S. Glenn [redacted]

R. Frisby [redacted]

E. Naill [redacted]

J. Coval [redacted]

D. Shaulis [redacted]

J. Kovalchick [redacted]

D. Horne [redacted]

D. Shortes [redacted]

C. J. Campbell [redacted]

D. Bertocchi [redacted]

J. Anthony [redacted]

B. Petty [redacted]

L. Ericson [redacted]

M. Fanelli [redacted]

J. Lindinger [redacted]

P. Navin [redacted]

CONTROLLED APPROVED COPY-
VOID PREVIOUS ISSUE
DISTRIBUTION PER A-2

RLG:clb

[illegible signature]
9-15-84

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 & 3

EP-209 APPENDIX I-2 - CHEMISTRY AND HEALTH PHYSICS CONTRACTOR CALL LIST

Chemistry (Rad Services, Inc.)

Crowe, D.
Casey, J.
Chase, D.
Gasper, J.
Leone, B.
Miller, T.
Howell, S.
Sarge, R.

Pittsburgh, PA Office
Rad Services

[redacted]

Health Physics (Bartlett Nuclear, Inc.)

Ipoletta, D.
Kiman, B.
Smidga, R.
Rogers, W.
Chrostowski, J.

Plymouth MA Office

[redacted]

9-18-84

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM UNITS 2 AND 3
EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-210 Dose Assessment Team

Purpose:

To define the actions of the Dose Assessment Team.

References:

Peach Bottom Atomic Power Station Emergency Plan Section 5.2.1.5.6 and 6.6.1

EP 316 Cumulative Population Dose Calculations
EP 317 Determination of Protective Action Recommendations
EP 318 Liquid Release Dose Calculations - Water
EP 319 Liquid Release Dose Calculations - Fish
EP 325 Methodology for Using the Containment Radiation Monitor Dose Rate vs. Time Curves to Estimate Source Term Available for Release
EP 209 Appendix P - Staffing Augmentation

Appendices:

EP 210-1 Dose Assessment Procedures & Application

EP 210-2 Contacting Radiation Management Corporation (RMC)

Action Level:

The Dose Assessment Team shall be activated by the Emergency Director.

Immediate Actions:

1.0 Dose Assessment Team Leader shall:

1.1 Upon notification of an alert or above condition, activate team members, assign emergency roles and direct them to report to EOF.

1.2 Proceed to EOF (second floor Unit 1)

1.3 Establish contact with the Site Emergency Coordinator (or Emergency Director under Alert Condition).

1.4 Coordinate dispatching the field survey squads under the direction of the Site Emergency Coordinator or the Emergency Director.

1.5 Initiate calculations as necessary, see Appendix I.

1.6 Upon completion of EP 316 calculations, implement EP 317, Determination of Protective Action Recommendations.

2.0 Dose Assessment Team Members shall:

2.1 Check supply of data and work sheets and calculators.

2.2 Establish data acquisition mode; i.e., TV monitors or direct link to control room.

2.3 Perform calculations as directed.

2.4 Calculate integrated and projected dose and post on status board.

NOTE: Status Board keeper will post board and transmit copies of status board data to TSC and HQ ESC.

<u>Follow Up Actions:</u>

1.0 Dose Assessment Team Leader shall:

1.1 Coordinate with the Chemistry Sampling and Analysis Team Leader to obtain chemistry sampling and analysis data.

1.2 Keep Emergency Director, Site Emergency Coordinator, and Health Physics and Chemistry Coordinator informed of dose projections.

1.3 Prepare Appendix EP-210-2, Contacting Radiation Management Corporation (RMC), when requested by the Site Emergency Coordiantor.

1.4 Establish contact with Pennsylvania Bureau of Radiation Protection and Maryland Division of Radiation Control representatives in the EOF and keep these agencies informed.

1.5 Participate in EOF briefings and provide current dose assessment and protective action information.

2.0 Dose Assessment Team Members shall:

2.1 Continue to refine calculations as new data becomes available.

Appendix EP-210-1
DOSE ASSESSMENT PROCEDURES APPLICATION

Input Radiological Data	Applicable Procedure
Normal range monitor release rate	EP 316 Manual or Computer Method to determine dose
High range monitor release rate	EP 316 Manual Method to determine release rate for Manual or Computer Method
Containment rad monitor dose rate	EP 325 to estimate release rate for Manual or Computer Method
Particulate filter and Iodine cartridge data	EP 316 Manual or Computer Method to estimate dose. (2) Use Manual Method to determine deposition concentration.
Field survey - I-131 or concentration	EP 316 to estimate thyroid dose commitment rate.
Liquid Release data	EP 318 and/or EP 319 as necessary.

General Notes:

1. Dose Model is primary calculation method when in operation.
2. EP 316 "Rapid" calculations are conservative and assume normal flow conditions, predetermined windspeeds and turbulence classes.

Appendix EP-210-2
CONTACTING RADIATION MANAGEMENT CORPORATION

Phone Number [redacted]

This is ___(Name)___ representing the Dose Assessment Team of the Peach Bottom Atomic Power Station.

There has been a release of radioactive material from the Unit (2), (3) plant and your assistance is required in the following areas:

____Radiation Surveys (____Low Level____High Level)

____BETA
____GAMA
____NEUTRON

____Decontamination (____ALPHA, ____BETA, ____GAMMA)

____Environmental sample analysis

____Air particulate samples collection/evaluation

____Bioassay

____Wholebody counting

____Other (Specify below)

Approach the site from (direction, route, etc.).
Respiratory protection (is/is not) necessary.
Anti-contamination clothing requirements are:

____full
____partial (booties, gloves, ____other)

Additional comments:

____
____
____
____
____

CONTROLLED APPROVED COPY-
VOID PREVIOUS ISSUE
DISTRIBUTION PER A-2

9-18-84

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 & 3

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-307 RECEPTION AND ORIENTATION OF SUPPORT PERSONNEL

PURPOSE:

This procedure defines the actions to be taken to receive and orientate those support personnel who will be coming onsite in the event of an emergency at the Peach Bottom Atomic Power Station.

REFERENCES:

1. Peach Bottom Atomic Power Station Emergency Plan

Section	Title
5.3.1.3	Support Personnel Procurement Group
5.3.1.4	Western Division Accomodations Group

APPENDICES:

EP-307-1 Support Personnel Security Log

EP-307-2 Support Personnel Dosimetry Issuance Log

EP-307-3 General Employee Training, General Respiratory Training, and Respiratory Fit Test Attendance Sheet

ACTION LEVEL:

This procedure will be implemented when the arrival of offsite support personnel requested by the Philadelphia Electric Company is anticipated. Normal notification of arrival will be from the Peach Bottom Security or Corporate Headquarters to the Site Emergency Coordinator.

PRECAUTIONS:

1. Ensure that all support personnel initially report to the President's Utility Building (PUB) to obtain the appropriate security badge, dosimetry, training and work assignments.

IMMEDIATE ACTIONS:

1.0 Site Emergency Coordinator shall:

1.1 Inform the Planning Coordinator to handle all incoming support personnel to ensure that these people are properly indoctrinated and trained in their function at the site.

2.0 Planning Coordinator shall:

2.1 Direct the Security Team Leader to assign a Security Team Member to report to the President's Utility Building (PUB).

2.2 Direct the Personnel Safety Team Leader to assign a personnel dosimetry, bioassay, respiratory protection group member to report to the President's Utility Building (PUB).

2.3 Direct the designated training personnel to report to the President's Utility Building (PUB).

3.0 Security Team Member shall:

3.1 Obtain an adequate supply of temporary security badges from the Security Building.

3.2 Proceed to the President's Utility Building (PUB) when directed to do so by the Security Supervisor.

3.3 Commence follow-up actions upon arrival of support personnel.

4.0 Personnel Dosimetry, Bioassay, and Respiratory Protection Team Member shall:

4.1 Obtain an adequate supply of dosimetry devices from the Dosimetry Office in the Security Building.

4.2 Proceed to the President's Utility Building (PUB) when directed to do so by the Personnel Safety Team Leader.

4.3 Commence follow-up actions upon arrival of support personnel.

5.0 Designated Training Personnel shall:

5.1 Proceed to the President's Utility Building (PUB) when directed to to so by the Planning Coordinator.

5.2 Commence follow-up actions upon arrival of support personnel.

FOLLOW-UP ACTIONS:

1.0 Security Team Member shall:

1.1 Direct arriving support personnel to fill out the appropriate sections of Appendix EP-307-1, Support Personnel Security Log.

1.2 Issue each of the support personnel a temporary security badge. (This may require personnel to go to the Unit 2 and 3 Main Guard House.)

2.0 Personnel Dosimetry, Bioassay, Respiratory Protection Team Member shall:

2.1 Direct arriving Support Personnel to fill out the appropriate sections of Appendix EP-307-2, Support Personnel Dosimetry Issuance Log. (Ensure that all support personnel provide Visitor History Record and Occupational External Radiation Exposure History Information prior to issuance of dosimetry.)

2.2 Issue each of the support personnel the appropriate dosimetric devices (as directed by the Personnel Safety Team Leader).

2.3 Ensure each person understands the principle behind the use of the KI tablets and the fact that they may be required to utilize this radioprotective drug should radioiodine levels reach greater than 10 rem in their environment.

3.0 Designated Training Personnel shall:

3.1 Request from the Support Personnel Accommodations Coordinator through the Planning Coordinator the following information:

3.1.1 Approximate number of support personnel expected.

3.1.2 Arrangements for hotels and meals.

3.2 Request from the Planning Coordinator information regarding the Team or Staff the Support Personnel are to report to.

3.3 Request from the Planning Coordinator information regarding the Plant status.

3.4 Assemble personnel in the classroom and provide then with the following information:

3.4.1 Basic description of the Plant status

3.4.2 Work shift hours they will be assigned to

3.4.3 Arrangements for hotels and meals

3.4.4 Person they are to report to

3.5 With the same group conduct a General Employee Training Class. Also, if necessary, conduct a General Respiratory Training Class and Respiratory Fit Test.

NOTE: Appendix EP-307-3, General Employee Training, General Respiratory Training, and Respiratory Fit Attendance Sheet must be filled out in order to document all training.

3.6 Contact appropriate station personnel assigned the responsibility for supervising the support personnel, request authorization to release personnel to these station personnel and have them meet the support personnel at the entrance of the Security Building.

3.7 Release support personnel if authorization is received. Log the name of the PECO "Supervisor" who is responsible for these support personnel on Appendix EP-307-1, Support Personnel Security Log.

4.0 Planning Coordinator shall:

4.1 Inform the Site Emergency Coordinator when the designated support personnel have been properly indoctrinated and trained and are ready for work in the plant or on the site.

APPENDIX 307-1

SUPPORT PERSONNEL SECURITY LOG

PBAPS

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION

MO__________ DAY__________ YEAR_____

SECURITY TEAM MEMBER ____________________

NAME a. WRITTEN SIGNATURE b. PRINT NAME - LAST, FIRST, MI	Jr. or Sr.	SOCIAL SECURITY NO.	BIRTH DATE (MTH/DATE/YR)	PECO P/R NO. or CONTRACTOR	VISITOR HISTORY RECORD if necessary	* SUPERVISOR TO WHOM YOU ARE TO REPORT TO
a. b.						
a. b.						
a. b.						
a. b.						
a. b.						
a. b.						
a. b.						
a. b.						

* Will be necessary for personnel who are NOT Philadelphia Electric Company Employees to fill out this form

APPENDIX 307-2

SUPPORT PERSONNEL DOSIMETRY ISSUANCE LOG

PBAPS

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION

MO________ DAY________ YEAR________

PERSONNEL DOSIMETRY GROUND MEMBER ____________

NAME a. WRITTEN SIGNATURE b. PRINT NAME - LAST, FIRST, MI	Jr. or Sr.	SOCIAL SECURITY NUMBER	BIRTH DATE (MTH/DATE/YR)	PECO P/R NO. Or Contractor	NRC FORM 4 *	Request for previous Occupational Radiation Exposure *	SUPERVISOR TO WHOM YOU ARE TO REPORT TO
a.							
b.							
a.							
b.							
a.							
b.							
a.							
b.							
a.							
b.							
a.							
b.							
a.							
b.							
a.							
b.							

* Will be necessary for personnel who are NOT Philadelphia [illegible]

APPENDIX 307-3

GENERAL EMPLOYEE TRAINING, GENERAL RESPIRATORY TRAINING, AND RESPIRATORY FIT TEST ATTENDANCE SHEET

PBAPS

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION

GENERAL EMPLOYEE TRAINING RECORD

MO________DAY________YEAR________

G.E.T. INSTRUCTOR________________

NAME a. WRITTEN SIGNATURE b. PRINT NAME - LAST, FIRST, MI	Jr. or Sr.	SOCIAL SECURITY NO.	BIRTH DATE (MTH/DATE/YR)	PECO P/R NO. or CONTRACTOR	G.E.T. QUIZ	SUPERVISOR TO WHOM YOU ARE TO REPORT TO
a. b.						
a. b.						
a. b.						
a. b.						
a. b.						
a. b.						
a. b.						
a. b.						

APPENDIX 307-3

GENERAL EMPLOYEE TRAINING, GENERAL RESPIRATORY TRAINING, AND

RESPIRATORY FIT TEST ATTENDANCE SHEET

RESPIRATORY EQUIPMENT TRAINING RECORD

DATE ______________

% Dosimetry	Computer Verified	NAME a. WRITTEN SIGNATURE b. PRINT NAME - LAST, FIRST, MI	SOCIAL SECURITY NUMBER	PECO P/R # or NAME of CONTRACTOR	GRT	DRILL	CVT	UVT	OTHER - (SPECIFY)		
		a. b.									
		a. b.									
		a. b.									
		a. b.									
		a. b.									
		a. b.									
		a. b.									

9-20-84

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 AND 3

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-312 RADIOACTIVE LIQUID RELEASE (EMERGENCY DIRECTOR FUNCTIONS)

PURPOSE:

To prescribe the actions of the Emergency Director in the event of an excessive radioactive liquid release. The Site Emergency Coordinator shall assume these responsibilities upon activation of the Emergency Operations Facility.

REFERENCES:

Emergency Plan, Sec. 6 (Emergency Measures)
EP-209, Appendix J
EP-318
EP-319

APPENDICES:

None

ACTION LEVELS:

An excessive radioactive liquid release occurs, as indicated by:

1. The Radwaste Effluent radiation recorder at the discharge to Conowingo Pond indicates a release rate of 500 times the maximum permissible concentration which is 5×10^{-5} uCi/cc for an unidentified isotope.

2. Sample measurements at the discharge structure indicate 500 times maximum permissible concentration which is 5×10^{-5} uCi/cc for an unidentified isotope.

PROCEDURE:

Immediate Actions:

1. The Shift Superintendent (or alternately, the Shift Supervisor) shall:

   a. Assume the role of Interim Emergency Director and carry out the steps of EP-101 to classify the event. Depending on the classification of the emergency, carry out the steps of EP-104 or 105.

b. Take immediate steps to terminate the discharge and contain the hazard.

c. Direct the Chemistry Sampling and Analysis Team to report to the discharge structure to obtain and analyze water samples.

d. Direct the Dose Assessment Team Leader to calculate the activity released and the resulting downstream concentrations, using EP-318 and 319 Dose Projections.

BE PREPARED TO NOTIFY DOWNSTREAM DOMESTIC WATER USERS IF REQUESTED TO DO SO BY THE BUREAU OF RADIATION PROTECTION - (see EP-209 App J)

FOLLOW-UP ACTIONS:

1. The Interim Emergency Director or Emergency Director shall dire continued surveillance of the discharge structure equipment and initiate required decontamination efforts as soon as possible.

2. The Site Emergency Coordinator shall:

   a. Direct the Chemistry Sampling and Analysis Team Leader to dispatch survey teams to obtain water samples off-site, primarily at the following downstream public water system intakes:

      (1) Chester Water Authority
      (2) Baltimore Water Supply Bureau
      (3) Conowingo Village
      (4) Bainbridge Naval Training Center/Port Deposit
      (5) Perry Point Veteran's Hospital
      (6) Havre-de-Grace
      (7) Perryville

   b. Direct that a log be kept to indicate the time of samples and measured radioactive concentrations at appropriate locations along the pond, including all public water system intakes.

   c. Direct the Dose Assessment Team Leader to calculate the estimated time of maximum radioactive concentrations at various public water system intakes using EP-318.

   d. Direct the Emergency Operations Facility Communicator to notify downstream domestic water users if requested to do so by the Bureau of Radiation Protection (see EP-209, Appendix J).

9-20-84

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 & 3

EMERGENCY PLAN IMPLEMENTATION PROCEDURE

EP-313 CONTROL OF THYROID BLOCKING (KI) TABLETS

PURPOSE:

To provide guidelines and instructions for the administration of potassium iodide (KI) to on-site personnel for use as a thyroid blocking agent to provide protection against airborne radioiodine.

REFERENCES:

1. Peach Bottom Atomic Power Station Emergency Plan

Section	Title
6.4.2.3	Use for Preparation of Radio-Protective Drugs

2. NUREG 0654 — Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

APPENDICES:

EP-313-1 Graph of I-131 concentration vs. in-plant personnel stay time.
EP-313-2 Graph of I-131 concentration vs. off-site personnel stay time.
EP-313-3 KI Administration Record Form.

ACTION LEVEL:

KI is administered when the calculated actual or potential thyroid absorbed dose is equal to or greater than 10 rem.

PRECAUTIONS:

1. The taking of KI tablets is strictly voluntary for each individual involved. However, once administered, dosage should be 100 mg/day for 10 consecutive days.

2. Personnel having allergic reactions to iodine should be administered KI only after risks of iodine accumulating in the thyroid vs. possible side effects due to KI are weighed.

3. Prior to administering KI, the Personnel Safety Team Leader shall ensure that the shelf life of KI tablets to be used has not been exceeded (shelf life of KI tablets is approximately 2 years).

4. All persons using KI as a thyroid-blocking agent in a radiation accident should be familiar with the possible following side effects:

   a. skin rashes
   b. swelling of parotid glands ("iodide mumps")
   c. metallic taste in mouth
   d. burning mouth and throat
   e. sore teeth and gums
   f. rashes
   g. symptoms of a head cold
   h. gastric upset, and
   i. diarrhea

IMMEDIATE ACTIONS:

1.0 Personnel Safety Team Leader or Interim shall:

1.1 Determine the need for administering KI as follows:

a. Determine the I-131 airborne concentration (μCi/cc) in the affected area(s) by using the Eberline SAM-2.

b. Divide the I-131 concentration by the protection factor of respiratory equipment, if applicable:

Respirator Type	Protection Factor (PF)
Air purifying (face piece, full)	50
Atmos. supplying (face piece, full)	2,000
SCBA (face piece, full)	10,000

c. Determine the stay time (in minutes) of the individuals in the affected area.

d. Locate the intersection of these points on the appropriate graph of I-131 concentration vs. stay time (Appendix EP-313-1 for in-plant personnel and Appendix EP-313-2 for off-site personnel involved in field monitoring).

e. If the projected dose is equal to or greater than 10 rem, KI administration is recommended.

1.2 Discuss need for KI with Emergency Director to obtain concurrence prior to administration of tablets.

1.3 Inform HP&C Coordinator at the HP&C Operations Support Center (on 116' elev. turbine bldg.) to assemble affected or intended people to receive KI in the Medical Room in the Radwaste Building at elev. 135' for tablet distribution.

1.4 Ensure that personnel who have been exposed to radioiodine thyroid dose of 10 rem or greater receive the first KI tablet (130 mg) within 2 hours of such exposure. Additionally, ensure that these people receive tablets daily for at least three but not more than 10 consecutive days after exposure. Consult PECo. Medical Director for further guidance if necessary.

2.0 HP&C Operations Support Center Coordinator shall:

2.1 Assemble those personnel who are to receive KI as directed by the Personnel Safety Team Leader.

2.2 Ask personnel if they are known to have allergic reactions to iodine. If no reaction is known, advise all individuals that taking KI is strictly voluntary. If a person does have an allergy to iodine, discuss this situation with the person involved and Personnel Safety Team Leader to ensure a full understanding of risks of not administering KI vs. the side effects which may occur if taken.

2.3 Administer KI tablets (one 130 mg tablet each) to all intended personnel from tablet supply in Radwaste Building medical room on elev. 135' radwaste building. Log each person's name, social security no. or payroll no., company/dept., and date on the KI administration record form (see Appendix EP-313-3).

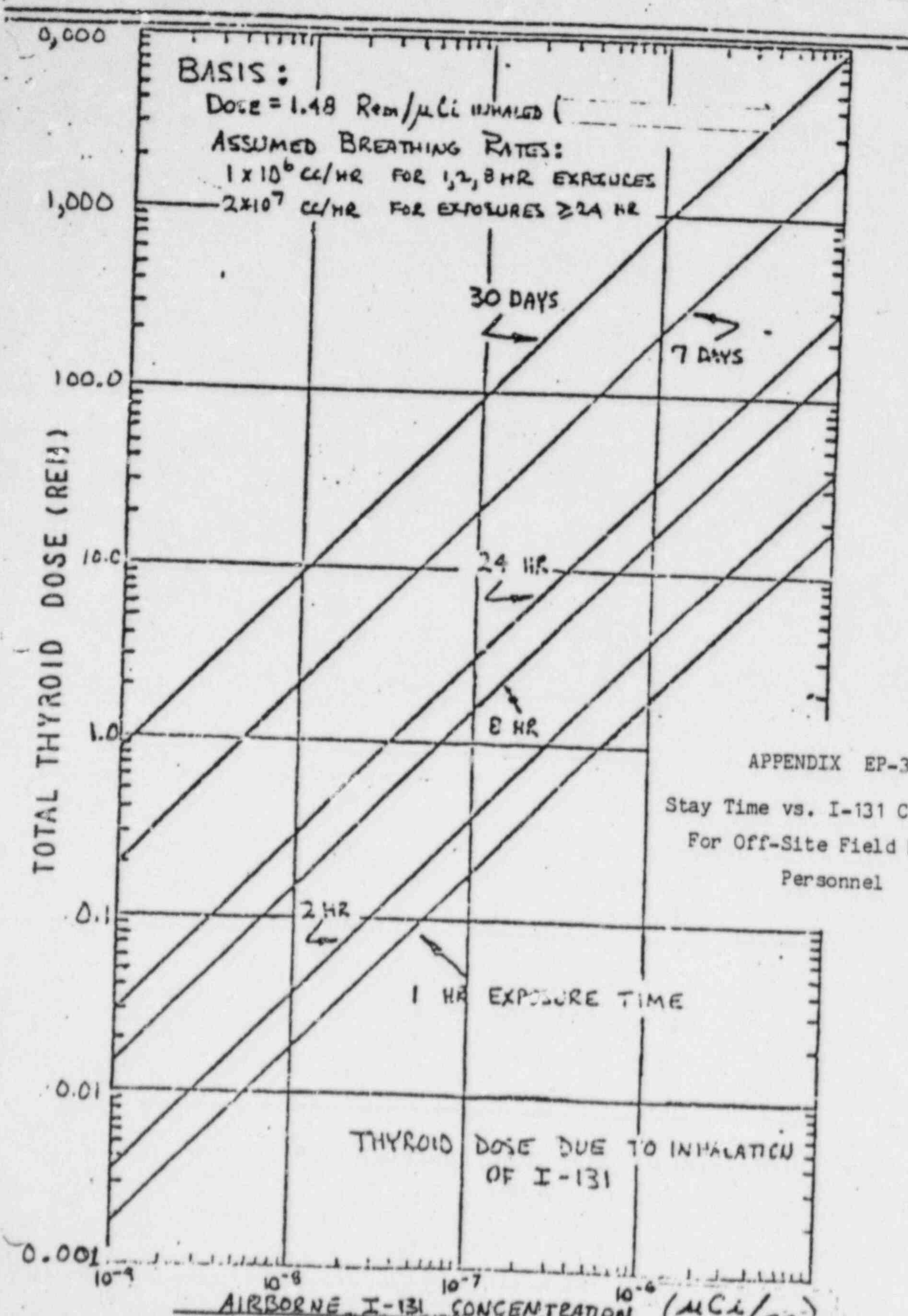
2.4 Upon completion of the administration of KI, report the names of the people who received KI to the Personnel Safety Team Leader.

<u>FOLLOW-UP ACTIONS:</u>

1.0 Radiation Protection Team Leader or Interim shall:

1.1 Notify the PECo. Medical Director and Emergency Director of all persons who received KI.

1.2 Ensure that KI is administered daily to each person on the form until the accumulated dose is 1 gm of iodide or as otherwise directed by the PECo. Medical Director. The time required to accumulate 1 gm of iodide is 10 days.



APPENDIX EP-313-2

Stay Time vs. I-131 Concentration
For Off-Site Field Monitoring
Personnel

(1) Values are calculated using the old dose conversion for I-131. The new constant in the reference is 1.5×10^6. However, the old conversion, 1.8×10^6, is used for conservatism.

(2) To approximate the child (6 months to one year worst case) thyroid dose from the adult dose multiply it by a factor of 2.

APPENDIX EP-313-3

KI Administration Form

Name	S.S. #/ Payroll No.	Company/ Dept.	Date	Subsequent Dates

9-20-84

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM UNITS 2 AND 3
EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-316 CUMULATIVE POPULATION DOSE CALCULATIONS

PURPOSE

To provide methods of estimating the site boundary and offsite airborne concentrations and resulting whole body doses and/or thyroid doses when the Corporate Computer Dose Model is unavailable.

REFERENCES

1. Peach Bottom Atomic Power Station Emergency Plan

Section	Title
5.2.2.2.1.C	Radiation Protection Team - Dose Assessment
6.2.1	Assessment methods for determining magnitude of release to the atmosphere
6.2.3	Population Exposure Estimates

2. 10 CFR20, Appendix B

3. NUREG 0654 — Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

4. EP-103 — Alert Immediate Actions

5. EP-104 — Site Emergency Immediate Actions

6. EP-105 — General Emergency Immediate Actions

8. EP-205A — Chemistry Sampling and Analysis Team

9. EP-210 — Dose Assessment Group

10. EP-317 — Determination of Protective Action Recommendations

11. EP-325 — Methodology for Using the Containment Radiation Monitor to Estimate Source Term Available for Release

12. EP-315 — Corporate Computer Dose Calculations

13. EP-316 — History File

ACTION LEVEL

An alert or higher level emergency has been declared in accordance with EP-101, "Classification of Emergencies".

PRECAUTIONS

Calculations performed in this procedure should be checked by an independent reviewer. Calculation results should be verified as soon as practicable by plant survey squads (within security fence) or field survey squads (outside security fence).

IMMEDIATE ACTIONS

1. Shift Supervision shall:

   1.1 Perform the following steps until qualified dose assessment personnel are available.

   1.2 Contact the Chemistry Sampling & Analysis Team Leader and direct him to have the Chemistry Sampling and Analysis Group collect and analyze appropriate gas, iodine, and particulate samples from the Main Stack and/or Roof Vents in accordance with EP-205A.7.-Obtaining the iodine and particulate sample from the Main Stack and Roof Vents following accident conditions.

   1.3 Direct the Chemistry Sampling, & Analysis Team Leader to provide the sample analysis results to the individual performing these calculations as soon as results are available.

   1.4 Perform the RAPID assessment calculations in Section 1 and/or 2 of this procedure and determine the HIGHEST offsite whole body and thyroid dose.

   1.5 Record the results on the Rapid Input Data Sheet for EP-317 (Worksheet 13 Appendix A) and forward that sheet to the Emergency Director for performing EP-317 Determination of Protective Action Recommendations.

   1.6 Continue to perform Steps 1.4 and 1.5 during and after the release until qualified dose assessment personnel are available.

2. Dose Assessment Team shall:

   2.1 Perform the Rapid assessment calculations in Section 1 and/or 2 of this procedure and determine the HIGHEST offsite whole body and thyroid dose.

   2.2 Record the results on the Rapid Input Data Sheet for EP-317 (Worksheet 13 Appendix A) and forward that sheet to the Emergency Director for performing EP-317, Determination of Protective Recommendations.

   2.3 Perform the REFINED whole body and thyroid dose calculations in Section 3 of this procedure and determine the highest offsite whole body and thyroid dose.

2.4 Record the results on the Refined Input Data Sheet for EP-317 (Worksheet 12 Appendix A) and forward that sheet to the Emergency Director.

2.5 Continue to perform the above steps as new data becomes available, until you are relieved of this duty or until you are instructed that these calculations are no longer required.

EP 316 INDEX

SECTION 1: RAPID ASSESSMENT USING WORST CASE METEROLOGY

1.A HIGHEST OFFSITE WHOLE BODY DOSE

USE THE NORMAL RADIATION MONITOR (RR-2(3)979 FOR THE ROOF VENTS AND RR-0-17-051 FOR THE MAIN STACK) FOR ALL CALCULATIONS UNLESS READINGS ARE OFFSCALE. IF THE NORMAL RANGE MONITOR IS OFFSCALE, USE THE HIGH RANGE MONITOR (RR-7127) FOR CALCULATIONS.

	MS	RV2	RV3
1. Indicate the point(s) of release.	________	________	________
2. Record the peak count rate.	________cps	________cpm	________cpm
3. Record the flow rate.	________cfm	________cfm	________cfm

4. Using the count rate from Step 2 and the flow rate from Step 3, perform the following appropriate calculation:

Main Stack Release

	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Whole Body Dose
For 10,000 CFM:	_______cps	x	9.81×10^{-5}	or	1.38×10^{-5}	=	________mrem at 5.00 miles
15,000 CFM:	_______cps	x	1.42×10^{-4}	or	2.00×10^{-5}	=	________mrem at 5.00 miles
20,000 CFM:	_______cps	x	1.77×10^{-4}	or	2.49×10^{-5}	=	________mrem at 5.00 miles
30,000 CFM:	_______cps	x	1.61×10^{-4}	or	2.26×10^{-5}	=	________mrem at 5.00 miles

Roof Vent Release

	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Whole Body Dose
For 100,000 CFM:	_______ cpm	x	1.52×10^{-5}	or	2.30×10^{-8}	=	_______ at 1.50 miles
200,000 CFM:	_______ cpm	x	2.86×10^{-5}	or	4.32×10^{-8}	=	_______ at 1.50 miles
300,000 CFM:	_______ cpm	x	3.72×10^{-5}	or	5.61×10^{-8}	=	_______ at 1.50 miles
400,000 CFM:	_______ cpm	x	2.40×10^{-5}		3.63×10^{-8}	=	_______ at 1.50 miles

THIS DOSE IS THE HIGHEST OFFSITE WHOLE BODY DOSE DUE TO A MAIN STACK OR ROOF VENT RELEASE UNDER STABLE METEOROLOGICAL CONDITIONS, USING THE ISOTOPIC ABUNDANCE PRESENT AT 2.50 HOURS AFTER THE REACTOR SHUTDOWN.

1.B HIGHEST OFFSITE THYROID DOSE

USE THE COUNT RATE AND FLOW RATE FROM SECTION 1.A FOR THE FOLLOWING CALCULATIONS:

Main Stack Release

1. Calculate the inhalation and ingestion doses.

Inhalation

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Inhalation Dose
For 10,000 CFM:	_______ cps	x	1.04×10^{-3}	or	1.45×10^{-4}	=	_______ mrem at 5.00 miles
15,000 CFM:	_______ cps	x	1.50×10^{-3}	or	2.11×10^{-4}	=	_______ mrem at 5.00 miles
20,000 CFM:	_______ cps	x	1.87×10^{-3}	or	2.63×10^{-4}	=	_______ mrem at 5.00 miles
30,000 CFM:	_______ cps	x	1.70×10^{-3}	or	2.39×10^{-4}	=	_______ mrem at 5.00 miles

THE INGESTION CALCULATION IS ONLY NECESSARY FOR PASTURE FEEDING PERIOD OF APRIL THROUGH NOVEMBER. INGESTION DOSE FOR DECEMBER TO MARCH SHALL BE ZERO.

Ingestion

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Ingestion Dose
For 10,000 CFM:	______ cps	x	7.40×10^{-1}	or	1.04×10^{-1}	=	________ mrem at 5.00 miles
15,000 CFM:	______ cps	x	1.07	or	1.51×10^{-1}	=	________ mrem at 5.00 miles
20,000 CFM:	______ cps	x	1.34	or	1.88×10^{-1}	=	________ mrem at 5.00 miles
30,000 CFM:	______ cps	x	1.22	or	1.71×10^{-1}	=	________ mrem at 5.00 miles

2. Add the inhalation and ingestion doses to obtain a total thyroid (iodine) dose.

   Inhalation dose + ingestion dose = thyroid dose

________ mrem + ________ mrem = ________ mrem at 5.00 miles

THIS DOSE IS THE HIGHEST OFFSITE THYROID DOSE DUE TO A MAIN STACK RELEASE UNDER STABLE METEOROLOGICAL CONDITIONS, USING 100% I-131 DOSE CONVERSION FACTOR.

Roof Vent Release

1. Calculate the inhalation and ingestion doses.

Inhalation

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Inhalation Dose
For 100,000 CFM:	_______ cpm	x	1.23×10^{-2}	or	1.85×10^{-5}	=	_________ mrem at 1.50 miles
200,000 CFM:	_______ cpm	x	2.30×10^{-2}	or	3.47×10^{-5}	=	_________ mrem at 1.50 miles
300,000 CFM:	_______ cpm	x	2.99×10^{-2}	or	4.51×10^{-5}	=	_________ mrem at 1.50 miles
400,000 CFM:	_______ cpm	x	1.93×10^{-2}	or	2.91×10^{-5}	=	_________ mrem at 1.50 miles

THE INGESTION CALCULATION IS ONLY NECESSARY FOR PASTURE FEEDING PERIOD OF APRIL THROUGH NOVEMBER. INGESTION DOSE FOR DECEMBER TO MARCH SHALL BE ZERO.

Ingestion

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Ingestion Dose
For 100,000 CFM:	_______ cpm	x	8.77	or	1.32×10^{-2}	=	_________ mrem at 1.50 miles
200,000 CFM:	_______ cpm	x	1.64×10^{1}	or	2.48×10^{-2}	=	_________ mrem at 1.50 miles
300,000 CFM:	_______ cpm	x	2.14×10^{1}	or	3.23×10^{-2}	=	_________ mrem at 1.50 miles
400,000 CFM:	_______ cpm	x	1.38×10^{1}	or	2.09×10^{-2}	=	_________ mrem at 1.50 miles

2. Add the inhalation and ingestion doses to obtain a total thyroid (iodine) dose.

   Inhalation dose + ingestion dose = thyroid dose

_________ mrem + _________ mrem = _________ mrem at 1.50 miles

THIS DOSE IS THE HIGHEST OFFSITE THYROID DOSE DUE TO A ROOF VENT RELEASE UNDER STABLE METEOROLOGICAL CONDITIONS, USING 100% I-131 DOSE CONVERSION FACTOR.

SECTION 2: RAPID ASSESSMENT ACTUAL METEROLOGY

2.A HIGHEST OFFSITE WHOLE BODY DOSE

USE THE NORMAL RADIATION MONITOR (RR-2(3)979 FOR THE ROOF VENTS AND RR-0-17-051 FOR THE MAIN STACK) FOR ALL CALCULATIONS UNLESS READINGS ARE OFFSCALE. IF THE NORMAL RANGE MONITOR IS OFFSCALE, USE THE HIGH RANGE MONITOR (RR-7127) FOR CALCULATIONS.

	MS	RV2	RV3
1. Indicate the point(s) of release.	________	________	________
2. Record the average (20 mins.) count rate	________cps	________cpm	________cpm
3. Record the flow rate.	________cfm	________cfm	________cfm

4. Record the average (20 mins.) windspeed for the time interval of release:

Main Stack Release

1° - 320' (Tower 2) 3-cup anemometer reading ________mph

If the 320' (Tower 2) reading is unavailable, use one of the following stations:

2° - 330' Aerovane reading ________mph

3° - 75' (Tower 2) 3-cup anemometer reading ________mph

4° - 90' (Tower 1A) 3-cup anemometer reading ________mph

5° - 33' (Hill Pole) 3-cup anemometer reading ________mph

Roof Vent Release

1° - 75' (Tower 2) 3-cup anemometer reading ________mph

If the 75' (Tower 2) reading is unavailable, use one of the following stations:

2° - 320' (Tower 2) 3-cup anemometer reading ________mph

3° - 330' Aerovane reading ________mph

4° - 90' (Tower 1A) 3-cup anemometer reading ________mph

5° - 33' (Hill Pole) 3-cup anemometer reading ________mph

5. Determine and record the stability class.

   If 320' (Tower 2) 3-cup anemometer windspeed $\geq$ 18 mph
   or 75' (Tower 2) 3-cup anemometer windspeed $\geq$ 12 mph
   the stability class in NEUTRAL.

   If below the above windspeed, the stability class is determined by the following:

   1° - If 316' temperature - 30' temperature = positive
   The stability class is STABLE

   1° - If 316' temperature - 30' temperature = negative
   The stability class is UNSTABLE

If the 316' temperature reading is unavailable, use one of the following:

   2° - If 150' temperature - 30' temperature

   3° - If 90' temperature - 30' temperature

   Stability class __________

6. Determine and record the direction which the wind is blowing TOWARDS by adding 180 degrees to the average wind direction from the recorder. If the wind direction from the recorder is greater than 180 degrees, subtract 180 degrees.

If less than 180 degrees: _____mph + 180 degrees = towards _____ mph
If greater than 180 degrees: _____mph - 180 degrees = towards _____ mph

REFER TO APPENDIX F FOR DETERMINING THE SECTOR WHICH THE WIND BLOWING TOWARDS.

7. Perform the appropriate calculation based on the stability class determined in Step 5, using the count rate from Step 2 and the flow rate from Step 3.

Main Stack Releases

Stable Conditions

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Whole Body Dose
For 10,000 CFM:	________ cps	x	9.81×10^{-5}	or	1.38×10^{-5}	=	________ mrem at 5.00 miles
15,000 CFM:	________ cps	x	1.42×10^{-4}	or	2.00×10^{-5}	=	________ mrem at 5.00 miles
20,000 CFM:	________ cps	x	1.77×10^{-4}	or	2.49×10^{-5}	=	________ mrem at 5.00 miles
30,000 CFM:	________ cps	x	1.61×10^{-4}	or	2.26×10^{-5}	=	________ mrem at 5.00 miles

Unstable Conditions

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Whole Body Dose
For 10,000 CFM:	________ cps	x	4.09×10^{-5}	or	5.74×10^{-6}	=	________ at 0.50 miles
15,000 CFM:	________ cps	x	5.41×10^{-5}	or	7.59×10^{-6}	=	________ at 0.60 miles
20,000 CFM:	________ cps	x	6.39×10^{-5}	or	8.97×10^{-6}	=	________ at 0.60 miles
30,000 CFM:	________ cps	x	7.50×10^{-5}	or	1.05×10^{-5}	=	________ at 0.70 miles

Neutral Conditions

Flow Rate:	Count Rate x	Normal Range Factor	or	High Range Factor	=	Whole Body Dose
For 10,000 CFM:	________cps x	8.81×10^{-6}	or	1.24×10^{-6}	=	________mrem at 1.00 miles
15,000 CFM:	________cps x	1.32×10^{-5}	or	1.85×10^{-6}	=	________mrem at 1.00 miles
20,000 CFM:	________cps x	1.76×10^{-5}	or	2.47×10^{-6}	=	________mrem at 1.00 miles
30,000 CFM:	________cps x	2.64×10^{-5}	or	3.70×10^{-6}	=	________mrem at 1.00 miles

Roof Vent Release

Stable Conditions

Flow Rate:	Count Rate x	Normal Range Factor	or	High Range Factor	=	Whole Body Dose
For 100,000 CFM:	________cpm x	1.52×10^{-5}	or	2.30×10^{-8}	=	________mrem at 1.50 miles
200,000 CFM:	________cpm x	2.86×10^{-5}	or	4.32×10^{-8}	=	________mrem at 1.50 miles
300,000 CFM:	________cpm x	3.72×10^{-5}	or	5.62×10^{-8}	=	________mrem at 1.50 miles
400,000 CFM:	________cpm x	2.40×10^{-5}	or	3.26×10^{-8}	=	________mrem at 1.50 miles

Unstable Conditions

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Whole Body Dose
For 100,000 CFM:	_______ cpm	x	5.19×10^{-6}	or	7.84×10^{-9}	=	_______ mrem at 0.20 miles
200,000 CFM:	_______ cpm	x	9.95×10^{-6}	or	1.50×10^{-8}	=	_______ mrem at 0.20 miles
300,000 CFM:	_______ cpm	x	1.40×10^{-5}	or	2.11×10^{-8}	=	_______ mrem at 0.20 miles
400,000 CFM:	_______ cpm	x	1.51×10^{-5}	or	3.26×10^{-8}	=	_______ mrem at 0.20 miles

Neutral Conditions

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Whole Body Dose
For 100,000 CFM:	_______ cpm	x	2.98×10^{-6}	or	4.50×10^{-9}	=	_______ mrem at 0.20 miles
200,000 CFM:	_______ cpm	x	5.95×10^{-6}	or	8.98×10^{-9}	=	_______ mrem at 0.20 miles
300,000 CFM:	_______ cpm	x	8.93×10^{-6}	or	1.35×10^{-8}	=	_______ mrem at 0.20 miles
400,000 CFM:	_______ cpm	x	1.19×10^{-5}	or	1.80×10^{-8}	=	_______ mrem at 0.20 miles

THIS DOSE IS THE HIGHEST OFFSITE WHOLE BODY DOSE DUE TO A MAIN STACK OR ROOF VENT RELEASE USING THE ISOTOPIC ABUNDANCE PRESENT 2.50 HRS. AFTER THE REACTOR SHUTDOWN.

2.B HIGHEST OFFSITE THYROID DOSE

USING THE SAME RELEASE POINT, FLOW RATE, COUNT RATE, AND METEROLOGICAL CONDITIONS FROM SECTION 2.A, PERFORM THE FOLLOWING APPROPRIATE CALCULATION.

1. Calculate the inhalation and ingestion doses.

Main Stack Releases

Stable Conditions

Inhalation

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Inhalation Dose
For 10,000 CFM:	_______ cps	x	1.04×10^{-3}	or	1.46×10^{-4}	=	_________ mrem at 5.00 miles
15,000 CFM:	_______ cps	x	1.50×10^{-3}	or	2.10×10^{-4}	=	_________ mrem at 5.00 miles
20,000 CFM:	_______ cps	x	1.87×10^{-3}	or	2.63×10^{-4}	=	_________ mrem at 5.00 miles
30,000 CFM:	_______ cps	x	1.70×10^{-3}	or	2.39×10^{-4}	=	_________ mrem at 5.00 miles

THE INGESTION CALCULATION IS ONLY NECESSARY FOR PASTURE FEEDING PERIOD OF APRIL THROUGH NOVEMBER. INGESTION DOSE FOR DECEMBER TO MARCH SHALL BE ZERO.

Ingestion

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Ingestion Dose
For 10,000 CFM:	_______ cps	x	7.40×10^{-1}	or	1.04×10^{-1}	=	_________ mrem at 5.00 miles
15,000 CFM:	_______ cps	x	1.07	or	1.50×10^{-1}	=	_________ mrem at 5.00 miles
20,000 CFM:	_______ cps	x	1.34	or	2.64×10^{-2}	=	_________ mrem at 5.00 miles
30,000 CFM:	_______ cps	x	1.22	or	1.71×10^{-1}	=	_________ mrem at 5.00 miles

Unstable Conditions

Inhalation

Flow Rate:	Count Rate x	Normal Range Factor	or	High Range Factor	=	Inhalation Dose
For 10,000 CFM:	______ cps x	2.96×10^{-4}	or	4.15×10^{-5}	=	______ mrem at 0.50 miles
15,000 CFM:	______ cps x	3.98×10^{-4}	or	5.58×10^{-5}	=	______ mrem at 0.60 miles
20,000 CFM:	______ cps x	4.71×10^{-4}	or	6.61×10^{-5}	=	______ mrem at 0.60 miles
30,000 CFM:	______ cpm x	5.55×10^{-4}	or	7.79×10^{-5}	=	______ mrem at 0.70 miles

THE INGESTION CALCULATION IS ONLY NECESSARY FOR PASTURE FEEDING PERIOD OF APRIL THROUGH NOVEMBER. INGESTION DOSE FOR DECEMBER TO MARCH SHALL BE ZERO.

Ingestion

Flow Rate:	Count Rate x	Normal Range Factor	or	High Range Factor	=	Ingestion Dose
For 10,000 CFM:	______ cps x	2.12×10^{-1}	or	2.97×10^{-2}	=	______ mrem at 0.50 miles
15,000 CFM:	______ cps x	2.85×10^{-1}	or	4.00×10^{-2}	=	______ mrem at 0.60 miles
20,000 CFM:	______ cps x	3.37×10^{-1}	or	4.73×10^{-2}	=	______ mrem at 0.60 miles
30,000 CFM:	______ cps x	3.97×10^{-1}	or	5.57×10^{-2}	=	______ mrem at 0.70 miles

Neutral Conditions

Inhalation

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Inhalation Dose
For 10,000 CFM:	_______cps	x	6.39×10^{-5}	or	8.97×10^{-6}	=	_________mrem at 1.00 miles
15,000 CFM:	_______cps	x	9.58×10^{-5}	or	1.34×10^{-5}	=	_________mrem at 1.00 miles
20,000 CFM:	_______cps	x	1.28×10^{-4}	or	1.80×10^{-5}	=	_________mrem at 1.00 miles
30,000 CFM:	_______cps	x	1.92×10^{-4}	or	2.69×10^{-5}	=	_________mrem at 1.00 miles

THE INGESTION CALCULATION IS ONLY NECESSARY FOR PASTURE FEEDING PERIOD OF APRIL THROUGH NOVEMBER. INGESTION DOSE FOR DECEMBER TO MARCH SHALL BE ZERO.

Ingestion

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Ingestion Dose
For 10,000 CFM:	_______cps	x	4.57×10^{-2}	or	6.41×10^{-3}	=	_________mrem at 1.00 miles
15,000 CFM:	_______cps	x	6.86×10^{-2}	or	9.63×10^{-3}	=	_________mrem at 1.00 miles
20,000 CFM:	_______cps	x	9.15×10^{-2}	or	1.28×10^{-2}	=	_________mrem at 1.00 miles
30,000 CFM:	_______cps	x	1.37×10^{-1}	or	1.92×10^{-2}	=	_________mrem at 1.00 miles

2. Calculate the total thyroid dose by adding the inhalation and ingestion doses.

   Inhalation dose + ingestion dose = thyroid dose

   _________mrem + _________mrem = _________mrem at _____miles

THIS DOSE IS THE HIGHEST OFFSITE THYROID DOSE DUE TO A MAIN STACK RELEASE USING 100% I-131 DOSE CONVERSION FACTOR.

Roof Vent Release

1. Calculate the inhalation and ingestion doses.

Stable Conditions

Inhalation

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Inhalation Dose
For 100,000 CFM:	_______cpm	x	1.23×10^{-2}	or	1.86×10^{-5}	=	_________mrem at 1.50 miles
200,000 CFM:	_______cpm	x	2.30×10^{-2}	or	3.47×10^{-5}	=	_________mrem at 1.50 miles
300,000 CFM:	_______cpm	x	2.99×10^{-2}	or	4.51×10^{-5}	=	_________mrem at 1.50 miles
400,000 CFM:	_______cpm	x	1.93×10^{-2}	or	2.91×10^{-5}	=	_________mrem at 1.50 miles

THE INGESTION CALCULATION IS ONLY NECESSARY FOR PASTURE FEEDING PERIOD OF APRIL THROUGH NOVEMBER. INGESTION DOSE FOR DECEMBER TO MARCH SHALL BE ZERO.

Ingestion

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Ingestion Dose
For 100,000 CFM:	_______cpm	x	8.77	or	1.32×10^{-2}	=	_________mrem at 1.50 miles
200,000 CFM:	_______cpm	x	1.64×10^{1}	or	2.48×10^{-2}	=	_________mrem at 1.50 miles
300,000 CFM:	_______cpm	x	2.14×10^{1}	or	3.23×10^{-2}	=	_________mrem at 1.50 miles
400,000 CFM:	_______cpm	x	1.38×10^{1}	or	2.08×10^{-2}	=	_________mrem at 1.50 miles

Unstable Conditions

Inhalation

Flow Rate:	Count Rate x	Normal Range Factor	or	High Range Factor	=	Inhalation Dose
For 100,000 CFM:	________cpm x	3.68×10^{-3}	or	5.56×10^{-6}	=	________mrem at 0.20 miles
200,000 CFM:	________cpm x	7.04×10^{-3}	or	1.06×10^{-5}	=	________mrem at 0.20 miles
300,000 CFM:	________cpm x	9.88×10^{-3}	or	1.49×10^{-5}	=	________mrem at 0.20 miles
400,000 CFM:	________cpm x	1.07×10^{-2}	or	1.62×10^{-5}	=	________mrem at 0.20 miles

THE INGESTION CALCULATION IS ONLY NECESSARY FOR PASTURE FEEDING PERIOD OF APRIL THROUGH NOVEMBER. INGESTION DOSE FOR DECEMBER TO MARCH SHALL BE ZERO.

Ingestion

Flow Rate:	Count Rate x	Normal Range Factor	or	High Range Factor	=	Ingestion Dose
For 100,000 CFM:	________cpm x	2.63	or	3.97×10^{-3}	=	________mrem at 0.20 miles
200,000 CFM:	________cpm x	5.04	or	7.61×10^{-3}	=	________mrem at 0.20 miles
300,000 CFM:	________cpm x	7.07	or	1.07×10^{-2}	=	________mrem at 0.20 miles
400,000 CFM:	________cpm x	7.67	or	1.16×10^{-2}	=	________mrem at 0.20 miles

Neutral Conditions

Inhalation

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Inhalation Dose
For 100,000 CFM:	________cpm	x	1.76×10^{-3}	or	2.66×10^{-6}	=	________mrem at 0.20 miles
• 200,000 CFM:	________cpm	x	3.52×10^{-3}	or	5.31×10^{-6}	=	________mrem at 0.20 miles
300,000 CFM:	________cpm	x	5.28×10^{-3}	or	7.97×10^{-6}	=	________mrem at 0.20 miles
400,000 CFM:	________cpm	x	2.54×10^{-3}	or	3.84×10^{-6}	=	________mrem at 0.20 miles

THE INGESTION CALCULATION IS ONLY NECESSARY FOR PASTURE FEEDING PERIOD OF APRIL THROUGH NOVEMBER. INGESTION DOSE FOR DECEMBER TO MARCH SHALL BE ZERO.

Ingestion

Flow Rate:	Count Rate	x	Normal Range Factor	or	High Range Factor	=	Ingestion Dose
For 100,000 CFM:	________cpm	x	1.26	or	1.90×10^{-3}	=	________mrem at 0.20 miles
200,000 CFM:	________cpm	x	2.52	or	3.80×10^{-3}	=	________mrem at 0.20 miles
300,000 CFM:	________cpm	x	3.78	or	5.71×10^{-3}	=	________mrem at 0.20 miles
400,000 CFM:	________cpm	x	1.82	or	2.75×10^{-3}	=	________mrem at 0.20 miles

2. Calculate the total thyroid dose by adding the inhalation and ingestion doses.

   Inhalation dose + ingestion dose = thyroid dose

________mrem + ________mrem = ________mrem at _____miles

* THIS DOSE IS THE HIGHEST OFFSITE THYROID DOSE DUE TO A ROOF VENT RELEASE USING 100% I-131 CONVERSION FACTOR.

SECTION 3: REFINED ASSESSMENT OF NOBLE GAS AND RADIOIODINE RELEASES

3.1 Plume Centerline Whole Body Doses based on the Assessment of Noble Gas Releases from the Normal Range Monitors

3.1A. Known Isotopic Breakdown

* Use Worksheet 2 of Appendix A for the following:

1. Record the point and duration of the release.
2. Record the average count rate.
3. Record the appropriate pressure correction factor.
4. Calculate the corrected count rate.
5. Record the flow rate (CFM) from the appropriate release point.
6. From the gamma scan of the vent or stack sample, record the decimal percent abundance of each isotope listed on the scan.
7. Multiply the decimal percent abundance by the appropriate count rate conversion factor for each isotope that is present.
8. Sum the decay corrected count rate conversion factors to obtain the total count rate conversion factor.
9. Divide the corrected count rate by the total decay corrected count rate conversion factor; multiply by the flow rate and by the units conversion factor of 472 min/sec per cc/ft^3 to obtain the release rate in uCi/sec. Record this release rate on Worksheets 4 and 5 of Appendix A.

* Use Worksheet 1 of Appendix A for the following:

10. Record the wind speed for the time interval of the release. Use the appropriate instrument as listed below:

For Main Stack Releases:

1^o - 320' (Tower 2) 3-cup aerovane reading
2^o - 330' Aerovane reading
3^o - 75' (Tower 2) 3-cup anemometer reading
4^o - 90' (Tower 1A) 3-cup anemometer reading
5^o - 33' (Hill Pole) 3-cup anemometer reading

For Roof Vent Releases:

1^o - 75' (Tower 2) 3-cup aerovane reading
2^o - 320' (Tower 2) 3-cup anemometer reading

o 3 - 330' Aerovane reading

o 4 - 90' (Tower 1A) 3-cup anemometer reading

o 5 - 33' (Hill Pole) 3-cup anemometer reading

11. Determine and record the stability class using the wind speed and multipoint temperature chart tracing.

    If 320' (Tower 2) 3-cup anemometer reading windspeed $\geq$ 18 mph <u>or</u> 75' (Tower 2) 3-cup anemometer reading windspeed $\geq$ 12 mph the stability class in <u>NEUTRAL</u>.

    If below the above windspeeds, the stability class is determined by the following:

If o 1 - 316' temperature - 30' temperature = positive

o 2 - 150' temperature - 30' temperature = positive

o 3 - 90' temperature - 30' temperature = positive

the stability class is <u>STABLE</u>.

If o 1 - 316' temperature - 30' temperature = negative

o 2 - 150' temperature - 30' temperature = negative

o 3 - 90' temperature - 30' temperature = negative

the stability class is <u>UNSTABLE</u>.

12. If necessary, correct the windspeed reading to the primary Aerovane reading for the point of release.

	<u>Main Stack</u> Have 75' reading Want 320' reading	<u>Roof Vents</u> Have 320' reading Want 75' reading
Stable	75' reading x 2.0552	320' reading x 0.4866
Unstable	75' reading x 1.4336	320' reading x 0.6976
Neutral	75' reading x 1.5857	320' reading x 0.6306

** <u>Note</u>: Treat 330' the same as 320'. Treat 33' and 90' the same as 75'.

13. Determine and record the direction which the wind is blowing <u>TOWARDS</u> by adding 180 degrees to the average wind direction from the recorder. If the wind direction from the recorder is greater than 180 degrees, subtract 180 degrees.

14. Determine the applicable X/Q table number from the Table of Contents for the Relative Dispersion factors (X/Q) in Appendix C. The X/Q table number is determined by the release point, the flow rate, the wind speed, and the stability class.

15. From the appropriate X/Q table in Appendix D, find the dispersion factor (X/Q) for the sector the wind is blowing TOWARDS and the distance of interest.

16. Perform the operations indicated on Worksheet 4 to obtain the air concentration (uCi/m^3) and the resultant gamma whole body dose in mrem.

** Note: Refer to Section 3.9, Plume Travel Time, in order to calculate "x" for the decay expression "exp-(Nx)", where "N" is the natural log of 2 over the half-life.

* Use Worksheet 5 of Appendix A for the following:

17. To obtain the resultant total skin dose, enter the applicable data on the worksheet and perform the operations indicated to obtain the total skin dose in mrem.

3.1B. Unknown Isotopic Breakdown

* Use Worksheet 2 of Appendix A for the following:

1. Perform Steps 1 through 5 of Section 3.1A.
2. Determine and record the decay time, in hours, since the reactor shutdown.
3. From Appendix E, obtain the percent abundance(s) of the isotope(s) present based on the decay time since the reactor shutdown.
4. Continue with Steps 7 through 17 of Section 3.1A.

3.2 Plume Centerline Whole Body Doses Based on the Assessment of Noble Gas Releases from the High Monitor

3.2A. Known Isotopic Breakdown

* Use Worksheet 3 of Appendix A for the following:

1. Record the point and duration of release.
2. Record the average count rate.
3. Record the appropriate pressure correction factor.
4. Calculate the corrected count rate.
5. Record the flow rate (CFM) from the appropriate release point.
6. From the gamma scan of the vent or stack sample, record the decimal percent abundance of each isotope listed on the scan.

7. Multiply the decimal percent abundance by the appropriate count rate conversion factor for each isotope that is present.

8. Sum the decay corrected count rate conversion factors to obtain the total decay corrected count rate conversion factor.

9. Divide the corrected count rate by the total decay corrected count rate conversion factor; multiply the flow rate by the units conversion factor of: 472 min/sec per cc/ft^3 to obtain the release rate in uCi/sec. Record the release rate on worksheets 4 and 5 of Appendix A.

10. Continue with Steps 10 through 17 of Section 3.1A.

3.2B. Unknown Isotopic Breakdown

* Use Worksheet 3 of Appendix A for the following:

1. Perform Steps 1 through 5 of Section 3.1A.

2. Determine and record the decay time since the reactor shut down.

3. From Appendix E, obtain the percent abundance(s) of the isotope(s) present based on the decay time since the reactor shut down.

4. Continue with Steps 7 through 17 of Section 3.1A.

3.3 Off-Plume Centerline Whole Body Doses and/or Concentrations

**Note: Overlays are not applicable to a roof vent release.

* Use Worksheet 6 of Appendix A for the following:

1. Select the appropriate overlay for the existing stability class.

   For stable conditions: use overlay V
   For unstable conditions: use overlay II
   For neutral conditions: use overlay IV

2. Mount the overlay on the map with the origin at the main stack.

3. Rotate the overlay to align the centerline with the direction the wind is blowing TOWARDS.

4. Select the location(s) of interest and record them on the worksheet.

5. Estimate the decimal fraction of the reduction from the centerline, using the values on the overlay for the selected location(s). Record this decimal fraction on the worksheet.

6. Multiply the centerline whole body dose and/or concentration by the decimal fraction to obtain the off-centerline whole body dose and/or concentration at the point of interest.

7. See Appendix F for the population distribution numbers.

3.4 Plume Centerline Thyroid Doses Based on the Assessment of Radioiodine Release from the Normal Range Monitors

3.4A. Known Isotopic Breakdown

* Use Worksheet 7A of Appendix A for the following:

1. Obtain the main stack or roof vent iodine activity released from the Chemistry Sampling and Analysis Group Leader.

2. Estimate the duration of the release.

**Note: For a "puff-type release or short term releases with consistent meteorology, the duration of the release corresponds to the total period of release.

For a long term release with consistent meteorology, the duration of the release corresponds to the total period of release.

If any of the meteorological conditions change, divide the release into segments according to such changes.

3. Obtain the meteorological conditions and stability class from Worksheet 1 of Appendix A.

4. Based on the meteorological conditions and stability class, determine the applicable X/Q table number from the Table of Contents for the Relative Dispersion factors (X/Q) in Appendix C. The X/Q table number is determined by the release point, the flow rate, the wind speed, and the stability class.

5. From the appropriate X/Q table in Appendix D, find the dispersion factor (X/Q) for the sector the wind is blowing TOWARDS and the distance of interest.

6. Perform the operations indicated on the worksheet to obtain the air concentration (uCi/m^3) and the resultant iodine (thyroid) dose in mrem. Refer to Section 3.9, Plume Travel Time in order to calculate "x" for decay expression, "exp-(Nx)", where "N" is the natural log of 2 over the half-life.

**Note: December through March the ingestion dose is zero.

3.4B. Unknown Isotopic Breakdown

* Use Worksheet 7B of Appendix A for the following:

1. Obtain the noble gas release rate, calculated in Section 3.1B, based on the time since the reactor shut down.

2. Estimate the duration of the radioiodine release.

3. Obtain the meteorological conditions and stability class from Worksheet 1 of Appendix A.

4. Based on the meteorological conditions and stability class, determine the applicable X/Q table number from the Table of Contents for the Relative Dispersion factors (X/Q) in Appendix C.

   The X/Q table number is determined by the release point, the flow rate, the windspeed and the stability class.

5. From the appropriate X/Q table in Appendix D, find the dispersion factor (X/Q) for the sector the wind is blowing TOWARDS and the distance of interest.

6. Perform the operations indicated on the worksheet to obtain the air concentration (uCi/m^3) and the resultant iodine (thyroid) dose in mrem. Refer to Section 3.9, Plume Travel Time, in order to calculate "x" for the decay expression, "exp-(Nx)", where "N" is the natural log of 2 over the half-life.

**Note: The iodine (thyroid) dose is calculated assuming the radioiodine release to be 100% I-131. Also, the ingestion dose is zero if December through March.

3.5 Plume Centerline Thyroid Doses Based on the Assessment of Radioiodine Releases from the High Range Monitor

3.5A. Known Isotopic Breakdown

* Use Worksheet 7A of Appendix A for the following:

1. Follow all steps of Section 3.4A in order to calculate thyroid doses based on the assessment of radioiodine releases from the high range monitor.

3.5B. Unknown Isotopic Breakdown

* Use Worksheet 7B of Appendix A for the following:

1. Follow all steps of Section 3.4B EXCEPT, use the noble gas release rate calculated in Section 3.2B based on the time since the reactor shut down, in order to calculate thyroid doses based on the assessment of radioiodine releases from the high range monitor.

3.6 Off-Plume Centerline Thyroid Doses

**Note: Overlays are not applicable to a roof vent release.

* Use Worksheet 8 of Appendix A for the following:

1. Follow all steps in Section 3.3 in order to obtain off-plume centerline thyroid doses.

3.7 Thyroid Dose Rate from Survey Data

**Note: Calculations for thyroid dose rates from field survey data will be performed by the Radiation Protection Team utilizing HPA-16.

3.8 Ground Deposition

3.8A Plume Centerline Off-Site Ground Deposition Concentrations

* Use Worksheet 9 of Appendix A for the following:

1. Record the main stack or roof vent(s) I-131 and/or Cs-137 activity obtained from the Chemistry Sampling and Analysis Group Leader.

2. Estimate the duration of the release.

3. Refer to the meteorological conditions and the stability class recorded on Worksheet 1 of Appendix A to determine the applicable X/Q table number from the Relative Dispersion factors (X/Q) Table of Contents.

4. Obtain the distance(s) of interest and the corresponding X/Q value.

5. Perform the operations indicated on the worksheet to obtain the plume centerline off-site ground deposition for the point(s) of interest.

3.8B. Off-Plume Centerline Off-Site Ground Deposition Concentrations

**Note: Overlays are not applicable to a roof vent release.

* Use Worksheet 10 of Appendix A for the following:

1. Follow the methodology described in Section 3.3 for calculating off-plume centerline ground deposition concentrations.

3.9 Plume Travel Time

* Use Worksheet 11 of Appendix A for the following:

1. Refer to Worksheet 1 of Appendix A for meteorological conditions.

2. Perform the calculations indicated on the worksheet to determine plume travel time.

Worksheet 1
Meteorological Calculations

Windspeed

Main Stack ________mph; instrument: ________

Roof Vent ________mph; instrument: ________

Stability Class

Neutral if 320' reading ≥ 18 mph or
75' reading ≥ 12 mph

Stable if ____ temperature - ____ temperature = positive

________ - ________ = ______

Unstable if ____ temperature - ____ temperature = negative

________ - ________ = ______

Corrected Windspeed (if necessary)

Main Stack

Have 75', 90' or 33' readings, want 320' reading:

If Stable: ________mph x 2.0552 = ________mph

Unstable: ________mph x 1.4336 = ________mph

Neutral: ________mph x 1.5857 = ________mph

Roof Vents

Have 320', 33', readings, want 75' reading:

If Stable: ________mph x 0.4866 = ________mph

Unstable: ________mph x 0.6976 = ________mph

Neutral: ________mph x 0.6306 = ________mph

Wind Direction

If recorder reading < 180 degrees:
recorder reading + 180 degrees = towards
From__________ + 180 degrees = towards__________

If recorder reading > 180 degrees:
recorder reading - 180 degrees = towards
From__________ - 180 degrees = towards__________

Name: ________________

Date: ________________

Time: ________________

Worksheet 2
Noble Gas Release Rate Calculations
Based on the Normal Range Monitors

Point of Release: __________
Duration of Release: __________ hrs.
Count Rate: __________
Pressure Correction Factor: __________

Corrected Count Rate = Count Rate x Pressure Correction Factor
__________ = __________ x __________

Flow Rate: __________
Isotopic Abundance = Known Unknown (circle one)

Decay Time Since Reactor Scram: __________ hrs.

Isotope	Decimal Percent Abundance	x	Main Stack Count Rate Conversion (Count Rate per uCi/cc)	or	Roof Vent Count Rate Conversion (Count Rate per uCi/cc)	=	Count Rate Conversion Factor (Count Rate per uCi/cc)
Kr-85	______	x	2.20×10^{4}	or	8.97×10^{8}	=	______
Kr-85m	______	x	1.75×10^{6}	or	8.97×10^{8}	=	______
Kr-87	______	x	1.42×10^{6}	or	7.18×10^{8}	=	______
Kr-88	______	x	1.97×10^{6}	or	7.18×10^{8}	=	______
Xe-131m	______	x	4.07×10^{4}	or	8.97×10^{8}	=	______
Xe-133	______	x	3.29×10^{5}	or	1.26×10^{9}	=	______
Xe-133m	______	x	1.37×10^{4}	or	8.97×10^{8}	=	______
Xe-135	______	x	1.84×10^{6}	or	7.62×10^{8}	=	______
Xe-135m	______	x	1.33×10^{6}	or	8.97×10^{8}	=	______
Xe-137	______	x	5.74×10^{5}	or	7.18×10^{8}	=	______
Xe-138	______	x	1.95×10^{6}	or	7.18×10^{8}	=	______
						=	______

$$\frac{\text{Corrected Count Rate}}{\text{Count Rate per uCi/cc}} \times \text{Flow (CFM)} \times 472\ \frac{\text{min}}{\text{sec}}\ \frac{\text{cc}}{\text{ft}^3} = \text{Release Rate}$$

$$\_\_\_\_\_\_\_\_\_\_ \times \_\_\_\_\_\_\_\_\_\_ \times 472\ \frac{\text{min}}{\text{sec}}\ \frac{\text{cc}}{\text{ft}^3} = \_\_\_\_\_\_\_\_\_\_\ \text{uCi/sec.}$$

Name: __________
Date: __________
Time: __________

Worksheet 3
Noble Gas Release Rate Calculations Based on the High Range Monitors

Point of Release: ________
Duration of Release: ________ hrs.
Count Rate: ________
Pressure Correction Factor: ________

Corrected Count Rate = Count Rate x Pressure Correction Factor
________ = ________ x ________

Flow Rate: ________
Isotopic Abundance = Known Unknown (circle one)

Decay Time Since Reactor Scram: ________ hrs.

Isotope	Decimal Percent Abundance	x	Main Stack Count Rate Conversion (Count Rate per uCi/cc)	or	Roof Vent Count Rate Conversion (Count Rate per uCi/cc)	=	Count Rate Conversion Factor (Count Rate per uCi/cc)
Kr-85	________	x	$3.30x10^{4}$	or	$1.34x10^{9}$	=	________
Kr-85m	________	x	$2.01x10^{6}$	or	$8.18x10^{10}$	=	________
Kr-87	________	x	$1.51x10^{7}$	or	$6.16x10^{11}$	=	________
Kr-88	________	x	$2.23x10^{7}$	or	$9.07x10^{11}$	=	________
Xe-131m	________	x	$4.40x10^{4}$	or	$1.79x10^{9}$	=	________
Xe-133	________	x	$1.93x10^{5}$	or	$7.84x10^{9}$	=	________
Xe-133m	________	x	$4.40x10^{6}$	or	$1.79x10^{10}$	=	________
Xe-135	________	x	$3.58x10^{6}$	or	$1.46x10^{11}$	=	________
Xe-135m	________	x	$6.60x10^{6}$	or	$2.69x10^{11}$	=	________
Xe-137	________	x	$2.15x10^{6}$	or	$8.74x10^{10}$	=	________
Xe-138	________	x	$9.90x10^{6}$	or	$4.03x10^{11}$	=	________
						=	________

$$\frac{\text{Corrected Count Rate}}{\text{Count Rate per uCi/cc}} \times \text{Flow (CFM)} \times 472 \frac{\text{min}}{\text{sec}} \frac{\text{cc}}{\text{ft}^3} = \text{Release Rate}$$

________ x ________ x $472 \frac{\text{min}}{\text{sec}} \frac{\text{cc}}{\text{ft}^3}$ = ________ uCi/sec.

Name: ________
Date: ________
Time: ________

Worksheet 4
Plume Centerline Gamma (Whole Body) Dose Calculations

X/Q Table #: ________
Sector: ________ Distance: ________

Isotope	(%) Release Rate (uCi/sec)	x	Dispersion Factor (sec/m^3)	=	Air Concentration (uCi/m^3)	x	Dose Conversion Factor ($mrem\text{-}m^3$ per uCi-hr)	x	Release Duration (hrs.)	x	Decay Correction	=	Gamma (Whole Body) Dose (mrem)
Ar-41	________	x	________	=	________	x	1.11×10^{0}	x	________	x	exp-(.38x)	=	________
Kr-83m	________	x	________	=	________	x	8.63×10^{-6}	x	________	x	exp-(.37x)	=	________
Kr-85m	________	x	________	=	________	x	1.34×10^{-1}	x	________	x	exp-(.16x)	=	________
Kr-85	________	x	________	=	________	x	1.84×10^{-3}	x	________	x	1	=	________
Kr-87	________	x	________	=	________	x	6.76×10^{-1}	x	________	x	exp-(.55x)	=	________
Kr-88	________	x	________	=	________	x	1.68×10^{0}	x	________	x	exp-(.25x)	=	________
Xe-131m	________	x	________	=	________	x	1.04×10^{-2}	x	________	x	exp-(.002x)	=	________
Xe-133m	________	x	________	=	________	x	2.87×10^{-2}	x	________	x	exp-(.01X)	=	________
Xe-133	________	x	________	=	________	x	3.36×10^{-2}	x	________	x	exp-(.01x)	=	________
Xe-135m	________	x	________	=	________	x	3.12×10^{-3}	x	________	x	exp-(2.67x)	=	________
Xe-135	________	x	________	=	________	x	2.07×10^{-1}	x	________	x	exp-(.08x)	=	________
Xe-137	________	x	________	=	________	x	1.62×10^{-1}	x	________	x	exp-(10.7x)	=	________
Xe-138	________	x	________	=	________	x	1.01	x	________	x	exp-(2.39x)	=	________

= ________ mrem

at ________ miles

Name: ________________

Date: ________________

Time: ________________

Worksheet 5
Plume Centerline Total Skin Dose Calculations

X/Q Table #: ________
Sector: ________
Distance: ________

Isotope	(%) Release Rate (uCi/sec)	x	Dispersion Factor (sec/m^3)	=	Air Concentration (uCi/m^3)	x	Dose Conversion Factor ($mrem\text{-}m^3$ per uCi-hr)	x	Release Duration (hrs.)	x	Beta (Skin) Dose (mrem)	+	Gamma Whole Body Dose (mrem)	=	Total Skin Dose (mrem)
Ar-41	____	x	____	=	____	x	3.07×10^{-1}	x	____	=	____	+	____	=	____
Kr-85m	____	x	____	=	____	x	1.67×10^{-1}	x	____	=	____	+	____	=	____
Kr-85	____	x	____	=	____	x	1.53×10^{-1}	x	____	=	____	+	____	=	____
Kr-87	____	x	____	=	____	x	1.07×10^{0}	x	____	=	____	+	____	=	____
Kr-88	____	x	____	=	____	x	2.71×10^{-1}	x	____	=	____	+	____	=	____
Xe-131m	____	x	____	=	____	x	1.13×10^{-1}	x	____	=	____	+	____	=	____
Xe-133	____	x	____	=	____	x	3.49×10^{-2}	x	____	=	____	+	____	=	____
Xe-135m	____	x	____	=	____	x	8.12×10^{-2}	x	____	=	____	+	____	=	____
Xe-135	____	x	____	=	____	x	2.12×10^{-1}	x	____	=	____	+	____	=	____
Xe-137	____	x	____	=	____	x	1.39	x	____	=	____	+	____	=	____
Xe-138	____	x	____	=	____	x	4.71×10^{-1}	x	____	=	____	+	____	=	____

= ____________ mrem

at ____________ miles

Name: ________________

Date: ________________

Time: ________________

Worksheet 6
Off-Plume Centerline Whole Body Doses

Location	Centerline Dose (mrem)	or Centerline Concentration (uCi/cc)	X Fraction	X Population	X 0.001	= Man-Rem

Name: ____________________

Date: ____________________

Time: ____________________

Worksheet 7A
Plume Centerline Thyroid Dose Calculations - Known Isotopic Breakdown-
Based on the Normal or High Range Monitor (s)

Point of Release: ______________: Normal Range or High Range (circle one)
Duration of Release: ______________(hrs.) x 3600 secs. = ______________secs.
Iodine Activity:
I-131 ______________uCi
I-133 ______________uCi

I-131 Release Rate = $\frac{\text{I-131 Activity}}{\text{Duration of Release}}$ I-133 Release = $\frac{\text{I-133 Activity}}{\text{Duration of Release}}$

________uCi/sec = ________ $\frac{\text{uCi}}{\text{sec}}$ ________uCi/sec = ________ $\frac{\text{uCi}}{\text{sec}}$

Inhalation

I-131 Release Rate (uCi/sec)	x	Dispersion Factor (sec/m^3)	x	Dose Conversion Factor (mrem-m^3 per uCi-hr)	x	Release Duration (hrs)	=	Thyroid (Iodine) Dose (mrem)	x	Decay Correction	=	Decay Corrected Thyroid (Iodine) (mrem)
________	x	________	x	1.69×10^3	x	________	=	________	x	exp-(.004x)	=	________ at ________ miles

I-133 Release Rate (uCi/sec)	x	Dispersion Factor (sec/m^3)	x	Dose Conversion Factor (mrem-m^3 per uCi-hr)	x	Release Duration (hrs)	=	Thyroid (Iodine) Dose (mrem)	x	Decay Correction	=	Decay Corrected Thyroid (Iodine) (mrem)
________	x	________	x	4.67×10^2	x	________	=	________	x	exp-(.034x)	=	________ at ________ miles

Ingestion

I-131 Release Rate (uCi/sec)	x	Dispersion Factor (sec/m^3)	x	Dose Conversion Factor (mrem-m^3 per uCi-hr)	x	Release Duration (hrs)	=	Thyroid (Iodine) Dose (mrem)	x	Decay Correction	=	Decay Corrected Thyroid (Iodine) (mrem)
________	x	________	x	1.21×10^6	x	________	=	________	x	exp-(.004x)	=	________ at ________ miles

Total Thyroid Dose = Inhalation + Ingestion Dose

________mrem = ________mrem + ________mrem at ____________miles

Name: ________________

Date: ________________

Time: ________________

Worksheet 7B
Plume Centerline Thyroid Dose Calculations - Unknown Isotopic Breakdown - Based on the Normal or High Range Monitor(s)

Point of Release: ______________; Normal Range or High Range (circle one)
Noble Gas Release Rate: ______________ uCi/secs
Duration of Release: ______________ (hrs)

Main Stack Release
Inhalation

Noble Gas Release Rate (uCi/sec)	x	Dilution Factor	x	Dispersion Factor (sec/m^3)	x	Dose Conversion Factor ($mrem\text{-}m^3$ per uCi-hr)	x	Release Duration (Hours)	=	Thyroid (Iodine) dose (mrem)	x	Decay Correction	=	Decay Corrected Thyroid (Iodine) dose (mrem)
______	x	$\frac{1}{300}$	x	______	x	1.69×10^3	x	______	=	______	x	exp-(.004x)	=	______ at ______ miles

Ingestion

Noble Gas Release Rate (uCi/sec)	x	Dilution Factor	x	Dispersion Factor (sec/m^3)	x	Dose Conversion Factor ($mrem\text{-}m^3$ per uCi-hr)	x	Release Duration (Hours)	=	Thyroid (Iodine) dose (mrem)	x	Decay Correction	=	Decay Corrected Thyroid (Iodine) dose (mrem)
______	x	$\frac{1}{300}$	x	______	x	1.21×10^6	x	______	=	______	x	exp-(.004x)	=	______ at ______ miles

Total Thyroid Dose = Inhalation Dose + Ingestion Dose

______ mrem = ______ mrem + ______ mrem at ______ miles

Roof Vent Release
Inhalation

Noble Gas Release Rate (uCi/sec)	x	Dilution Factor	x	Dispersion Factor (sec/m^3)	x	Dose Conversion Factor ($mrem\text{-}m^3$ per uCi-hr)	x	Release Duration (Hours)	=	Thyroid (Iodine) dose (mrem)	x	Decay Correction	=	Decay Corrected Thyroid (Iodine) dose (mrem)
______	x	$\frac{1}{3}$	x	______	x	1.69×10^3	x	______	=	______	x	exp-(.004x)	=	______ at ______ miles

Ingestion

Noble Gas Release Rate (uCi/sec)	x	Dilution Factor	x	Dispersion Factor (sec/m^3)	x	Dose Conversion Factor ($mrem\text{-}m^3$ per uCi-hr)	x	Release Duration (Hours)	=	Thyroid (Iodine) dose (mrem)	x	Decay Correction	=	Decay Corrected Thyroid (Iodine) dose (mrem)
______	x	$\frac{1}{3}$	x	______	x	1.21×10^6	x	______	=	______	x	exp-(.004x)	=	______ at ______ miles

Total Thyroid Dose = Inhalation Dose + Ingestion Dose

______ mrem = ______ mrem + ______ mrem at ______ miles

Name: ______________
Date: ______________
Time: ______________

Worksheet 8
Off-Plume Centerline Thyroid Doses

Location	Centerline Dose (mrem)	or Centerline Concentration (uCi/cc)	X Fraction	X Population	X 0.001	= Man-Rem

Name: ____________

Date: ____________

Time: ____________

Worksheet 9

Plume Centerline Off-Site Ground Deposition Concentrations

Point of Release ____________
I-131 Activity ____________ uCi
Cs-137 Activity ____________ uCi
Duration of Release ____________ (hrs) x 3600 secs = ____________ secs.

I-131 Release Rate

$\frac{\text{I-131 Activity x decay correction}}{\text{Duration of Release}}$ = ____________ $\frac{\text{uCi}}{\text{sec}}$ x 0.84 = ____________ uCi/secs.

I-137 Release Rate

$\frac{\text{Cs-137 Activity x decay correction}}{\text{Duration of Release}}$ = ____________ $\frac{\text{uCi}}{\text{sec}}$ x 1.00 = ____________ uCi/secs.

Sector	Distance	Main Stack (sec/m^3)	+ Roof Vent 2 (sec/m^3)	+ Roof Vent 3 (sec/m^3)	= Total (sec/m^3)	x Release Rate (uCi/sec)	x Conversion Factor (m/hr)	= Ground Deposition Concentration (uCi/M^2-hr)
							x 36	
							x 36	
							x 36	
							x 36	
							x 36	
							x 36	

Name: ____________

Date: ____________

Time: ____________

Worksheet 10
Off-Plume Centerline Ground Deposition Concentrations

Location	Decimal Fraction	x Centerline Ground Deposition Rate (uCi/m^2-hr) =	Off-Plume Centerline Ground Disposition Rate (uCi/m^2-hr)

Name: ____________

Date: ____________

Time: ____________

Worksheet 11
Plume Travel Time

Windspeed: ____________________mph

Plume Travel Time (hrs) = $\frac{\text{Distance of Interest (miles)}}{\text{Wind speed (mph)}}$

Distance (Miles)	÷ Windspeed (mph)	= Plume Travel Time (hours)

Name: ____________________

Date: ____________________

Time: ____________________

Worksheet 12
EP-317 Refined Input Parameters

For the Area of Concern:

Distance of Interest ___________ miles

Sector ______________

Windspeed ______________ mph

Expected Duration of Release ______________ hrs

Calculated (projected) Whole Body Dose ______________ rem

Calculated (projected) Thyroid Dose ______________ rem

Field Survey Whole Body Dose Rate ______________ rem/hr

Field Survey Thyroid Dose Rate ______________ rem/hr

I-131 Ground Deposition Concentration ______________ uCi/m^2

Cs-137 Ground Deposition Concentration ______________ uCi/m^2

Plume Travel Time to Distance of Interest ______________ hrs

Dispersion Factor (X/Q) ______________ sec/m^3

EP-317 Recommendations:

Name: ____________________

Date: ____________________

Time: ____________________

Worksheet 13
EP-317 Rapid Input Parameters

Point of Release: ____________

Expected Duration of Release: ____________hr.

For Worse Case Meteorology Assessment

Whole Body Dose: ________mrem at ________miles.

Thyroid Dose: ________mrem at ________miles.

For Actual Meteorology Assessment

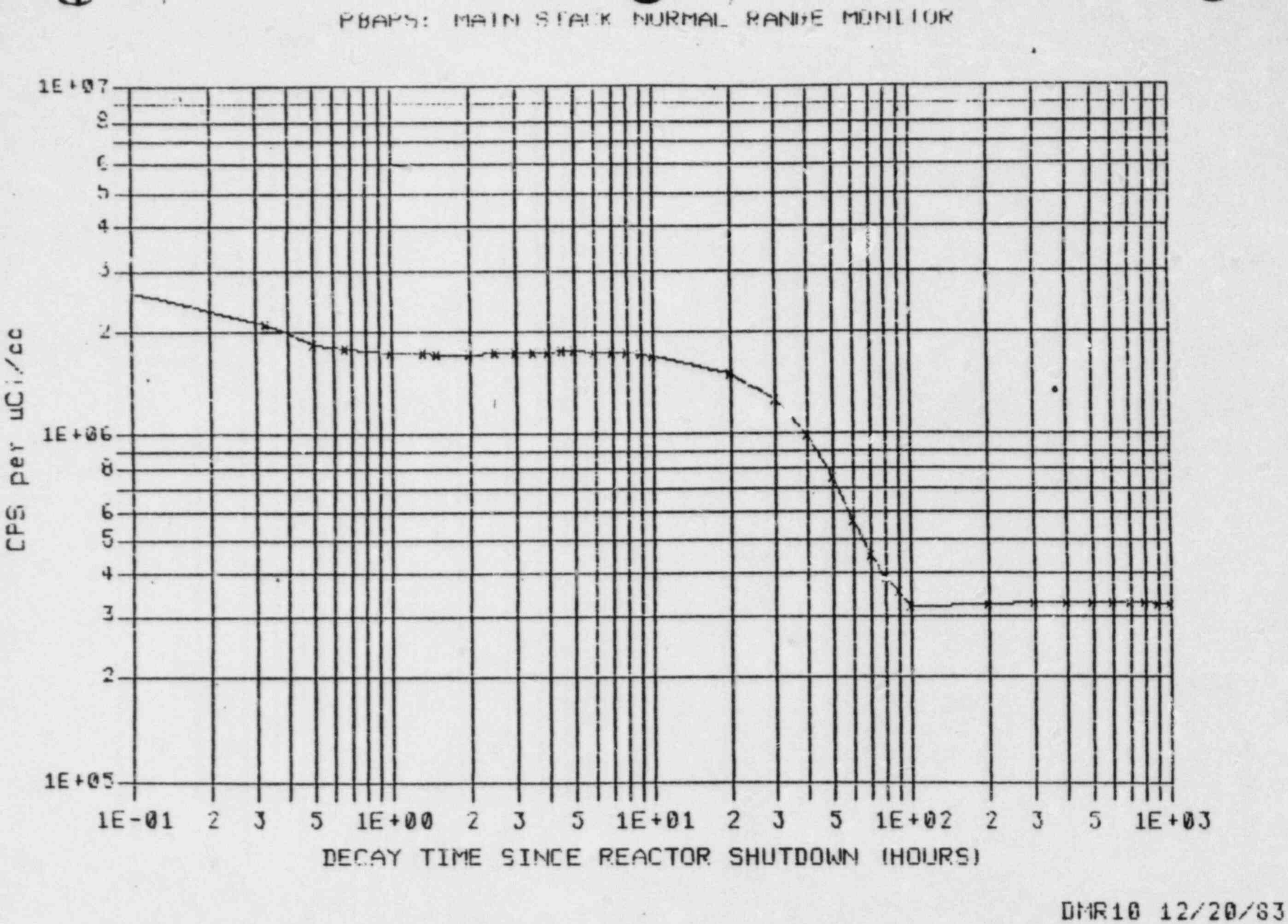
Windspeed: ________mph

Wind Direction (towards): ________degrees.

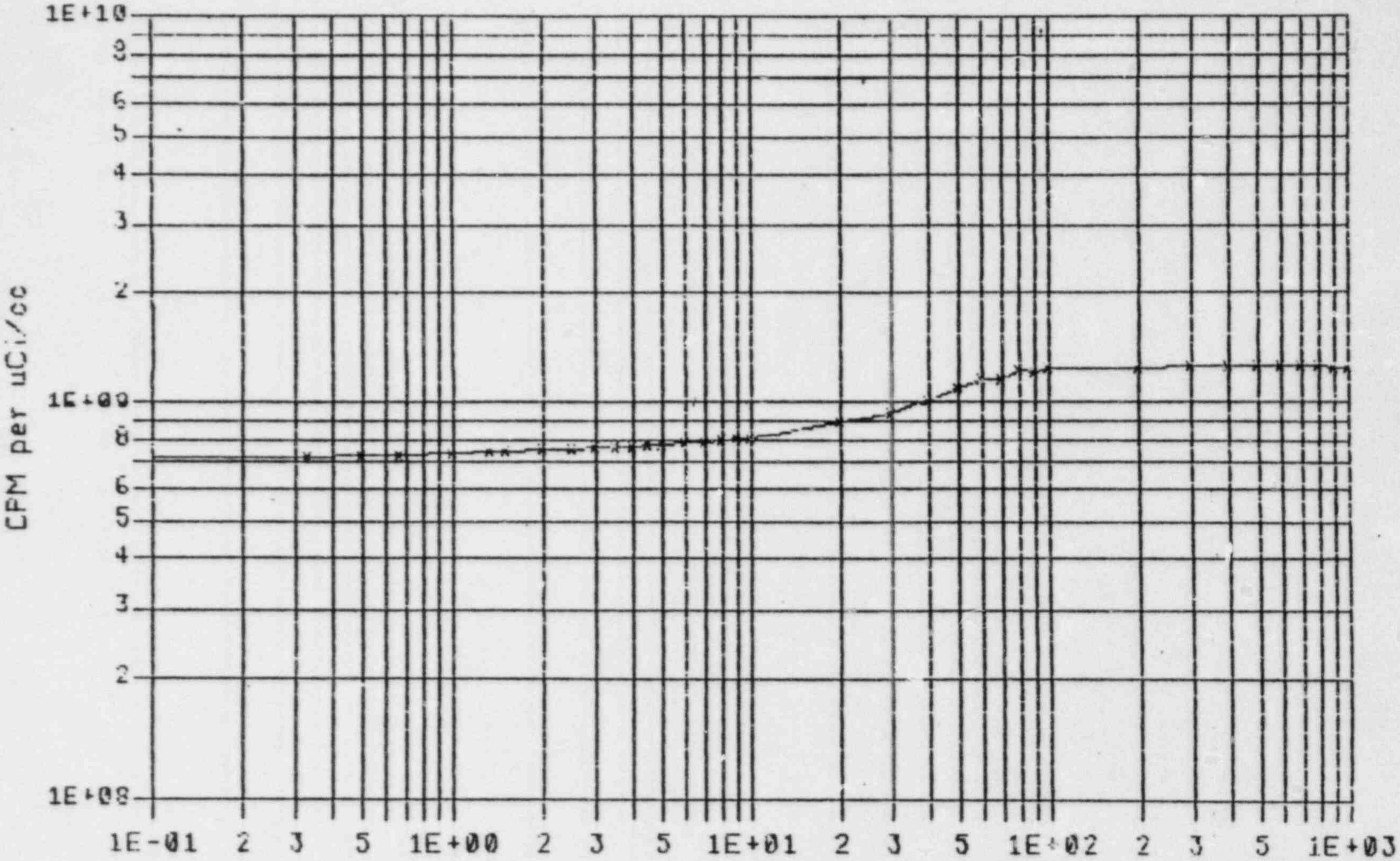
Stability Class: ________

Whole Body Dose: ________mrem at ________miles.

Thyroid Dose: ________mrem at ________miles.

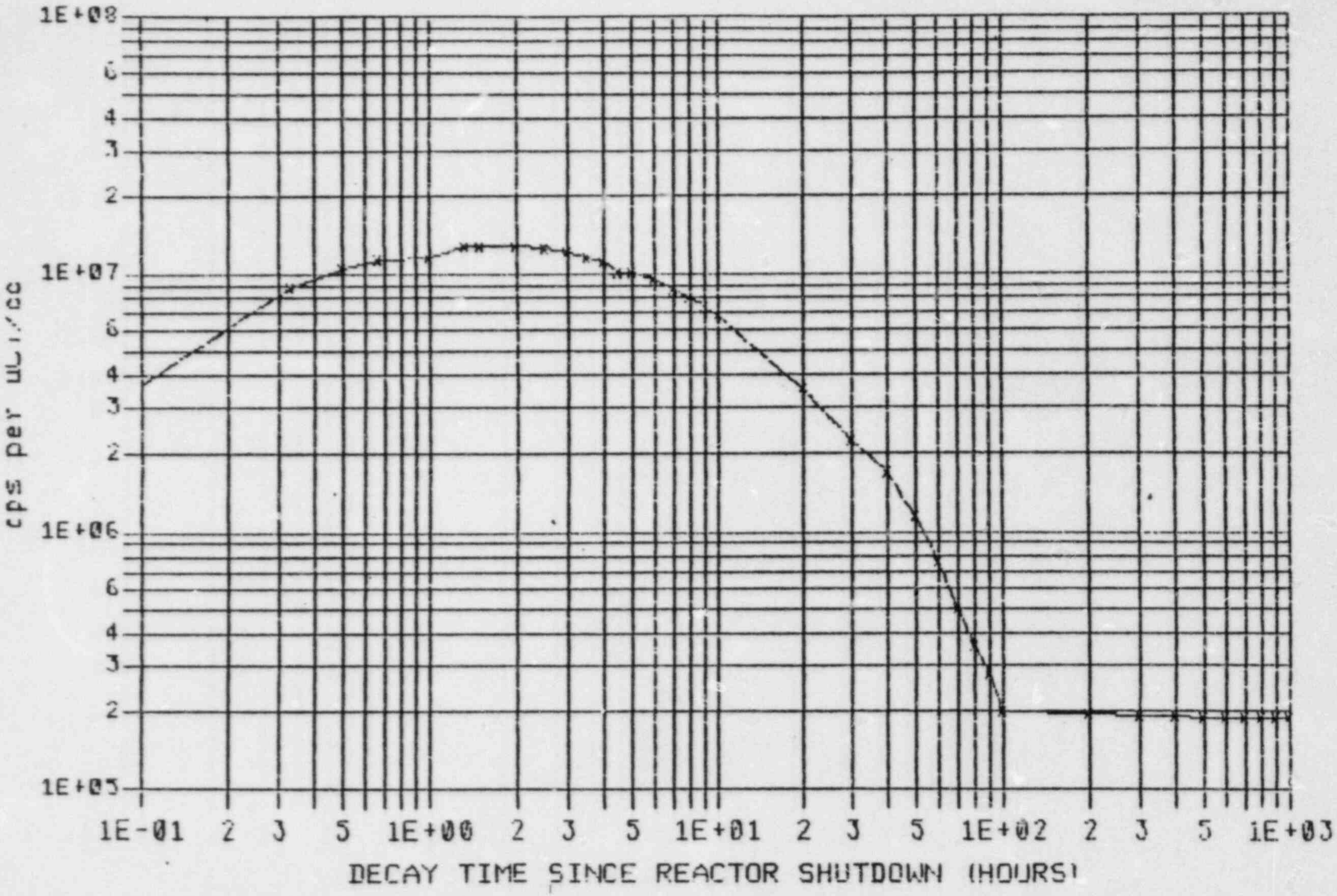

PBAPS: MAIN STACK NORMAL RANGE MONITOR
CPS per uCi/cc
1E+07
1E+06
1E+05
1E-01
1E+00
1E+01
1E+02
1E+03
DECAY TIME SINCE REACTOR SHUTDOWN (HOURS)
DMR10 12/20/83

PBAPS: ROOF VENTS 2 AND 3 NORMAL RANGE MONITORS



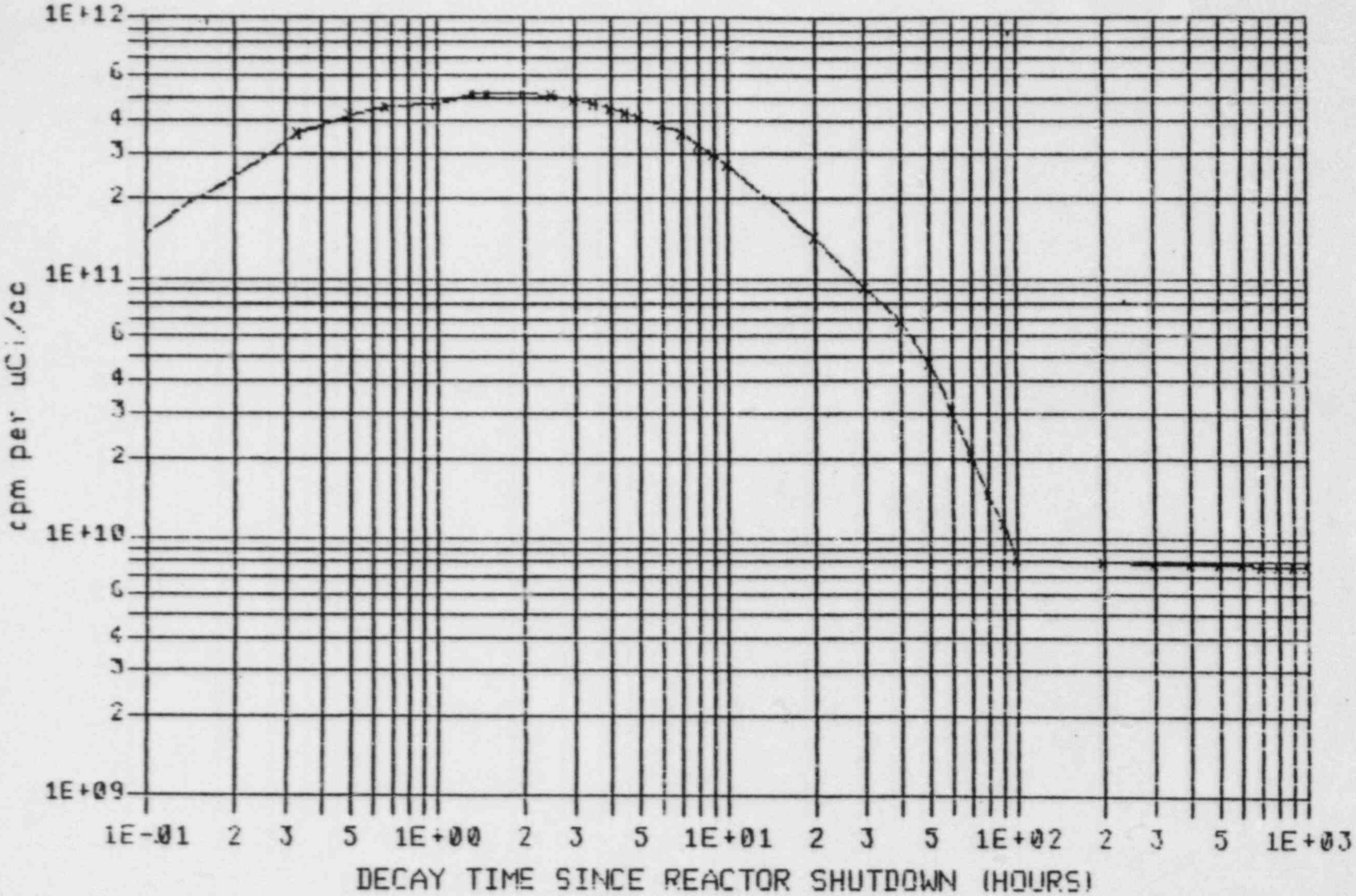
DMR11 12/20/83

PBAPS - MAIN STACK HIGH RANGE MONITOR



DMR9 12/20/83

PBAPS: ROOF VENTS 2 and 3 HIGH RANGE MONITOR



DMR12 12/20/83

INDEX OF X/Q AND DEPLETED X/Q OUTPUTS FOR OFF-GAS STACK RELEASES

LOW FLOW (10,000 cfm, 1 Fan)

320-Ft. Wind Speed (mph)		Table Number	
Range	Actual	Unstable	Stable
0 - 2.0	1.0	OG-18	OG-21
2.1 - 4.0	3.0	OG-19	OG-22
4.1 - 6.0	5.0	OG-20	OG-23
6.1 - 8.5	7.0	OG-4	OG-14
8.6 - 11.5	10.0	OG-5	OG-15
11.6 - 14.5	13.0	OG-6	OG-16
14.6 - 17.9	16.0	OG-7	OG-17
		All Classes (Neutral Assumed)	
18.0 - 20.0	18.0	OG-8	
20.1 - 24.5	22.0	OG-9	
>24.5	27.0	OG-10	

INDEX OF X/Q AND DEPLETED X/Q OUTPUTS FOR OFF-GAS STACK RELEASES

NORMAL FLOW (20,000 cfm, 2 Fans)

320-Ft. Wind Speed (mph)		Table Number	
Range	Actual	Unstable	Stable
0 - 2.0	1.0	OG-1	OG-11
2.1 - 4.0	3.0	OG-2	OG-12
4.1 - 6.0	5.0	OG-3	OG-13
6.1 - 8.5	7.0	OG-4	OG-14
8.6 - 11.5	10.0	OG-5	OG-15
11.6 - 14.5	13.0	OG-6	OG-16
14.6 - 17.9	16.0	OG-7	OG-17
		All Classes (Neutral Assumed)	
18.0 - 20.9	18.0	OG-8	
20.1 - 24.5	22.0	OG-9	
>24.5	27.0	OG-10	

INDEX OF X/Q AND DEPLETED X/Q OUTPUTS FOR OFF-SITE GAS STACK RELEASES

HIGH FLOW (30,000 cfm, 3 Fans)

320-Ft. Wind Speed (mph)		Table Number	
Range	Actual	Unstable	Stable
0 - 2.0	1.0	OG-24	OG-27
2.1 - 4.0	3.0	OG-25	OG-28
4.1 - 6.0	5.0	OG-26	OG-29
6.1 - 8.5	7.0	OG-4	OG-14
8.6 - 11.5	10.0	OG-5	OG-15
11.6 - 14.5	13.0	OG-6	OG-16
14.6 - 17.9	16.0	OG-7	OG-17
		All Classes (Neutral Assumed)	
18.0 - 20.0	18.0	OG-8	
20.1 - 24.5	22.0	OG-9	
>24.5	27.0	OG-10	

INDEX OF X/Q AND DEPLETED X/Q OUTPUTS FOR VENT RELEASES

LOW VENT FLOW CONDITIONS (<225,000 cfm)

75-Ft. Wind Speed (mph)		Table Number	
Range	Actual	Unstable	Stable
0 - 2.0	1.0	V-18	V-22
2.1 - 4.0	3.0	V-19	V-23
4.1 - 6.0	5.0	V-20	V-24
6.1 - 7.0	7.0	V-21	V-25
7.1 - 9.0	8.0	V-5	V-16
9.1 - 11.9	10.0	V-6	V-17
		All Classes (Neutral Assumed)	
12.0 - 13.5	12.0	V-7	
13.6 - 16.5	15.0	V-8	
16.6 - 20.0	18.0	V-9	
20.1 - 24.5	22.0	V-10	
>24.5	27.0	V-11	

INDEX OF X/Q AND DEPLETED X/Q OUTPUTS FOR VENT RELEASES

NORMAL VENT FLOW CONDITIONS (225,000 to 300,000 cfm)

75-Ft. Wind Speed (mph)		Table Number	
Range	Actual	Unstable	Stable
0 - 2.0	1.0	V-1	V-12
2.1 - 4.0	3.0	V-2	V-13
4.1 - 6.0	5.0	V-3	V-14
6.1 - 7.0	7.0	V-4	V-15
7.1 - 9.0	8.0	V-5	V-16
9.1 - 11.9	10.0	V-6	V-17
		All Classes (Neutral Assumed)	
12.0 - 13.5	12.0	V-7	
13.6 - 16.5	15.0	V-8	
16.6 - 20.0	18.0	V-9	
20.1 - 24.5	22.0	V-10	
>24.5	27.0	V-11	

INDEX OF X/Q AND DEPLETED X/Q OUTPUTS FOR VENT RELEASES

HIGH VENT FLOW CONDITIONS (>300,000 cfm)

75-Ft. Wind Speed (mph) Range	Actual	Table Number Unstable	Stable
0 - 2.0	1.0	V-26	V-30
2.1 - 4.0	3.0	V-27	V-31
4.1 - 6.0	5.0	V-28	V-32
6.1 - 7.0	7.0	V-29	V-33
7.1 - 9.0	8.0	V-5	V-16
9.1 - 11.9	10.0	V-6	V-17
		All Classes (Neutral Assumed)	
12.0 - 13.5	12.0	V-7	
13.6 - 16.5	15.0	V-8	
16.6 - 20.0	18.0	V-9	
20.1 - 24.5	22.0	V-10	
>24.5	27.0	V-11	

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 1. MPH

********** WIND DIRECTION RANGES **********

********** DOWN WIND SECTOR BEARING **********

	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
ISTANCE ILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	3.5E-09	*3.1E-09	*3.1E-09	3.1E-09	3.1E-09	2.1E-07	1.8E-07	3.9E-08	5.4E-08	8.7E-08	8.7E-08	1.3E-07	1.3E-07	2.1E-07	1.5E-07	3.1E-09
.4	7.7E-09	6.8E-09	6.8E-09	*6.8E-09	6.8E-09	3.2E-07	3.2E-07	7.1E-08	1.3E-07	1.6E-07	1.6E-07	2.1E-07	2.1E-07	3.2E-07	2.4E-07	6.9E-09
.4	*1.5E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	4.6E-07	4.6E-07	1.2E-07	1.9E-07	2.8E-07	2.8E-07	3.1E-07	3.1E-07	4.6E-07	3.5E-07	*1.3E-08
.5	7.1E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	1.1E-06	1.1E-06	8.7E-07	6.8E-07	*7.2E-07	4.0E-07	7.9E-07	7.9E-07	1.1E-06	8.7E-07	6.5E-08
.5	1.0E-07	9.7E-08	9.7E-08	9.7E-08	*9.7E-08	1.3E-06	1.3E-06	1.2E-06	8.3E-07	1.0E-06	5.2E-07	1.0E-06	1.0E-06	1.3E-06	1.1E-06	9.7E-08
.5	1.5E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.6E-06	1.6E-06	1.6E-06	1.0E-06	1.2E-06	*8.7E-07	1.2E-06	1.2E-06	1.6E-06	1.3E-06	1.4E-07
.5	2.7E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.3E-06	2.5E-06	2.5E-06	1.6E-06	2.0E-06	2.0E-06	*1.7E-06	1.7E-06	*2.2E-06	1.8E-06	2.5E-07
.6	5.2E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	3.2E-06	3.6E-06	3.6E-06	*2.5E-06	3.2E-06	3.2E-06	2.5E-06	*2.9E-06	3.1E-06	*2.7E-06	5.0E-07
.6	8.6E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	4.1E-06	4.5E-06	*4.5E-06	3.7E-06	4.1E-06	4.3E-06	3.2E-06	4.1E-06	3.9E-06	3.4E-06	1.0E-06
.7	9.8E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	4.3E-06	*4.7E-06	5.2E-06	3.9E-06	4.3E-06	4.8E-06	3.9E-06	4.3E-06	4.1E-06	3.7E-06	1.1E-06
.7	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	*4.5E-06	5.0E-06	5.4E-06	5.6E-06	5.0E-06	4.7E-06	4.1E-06	4.7E-06	4.3E-06	3.9E-06	1.3E-06
1.0	3.0E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	6.8E-06	6.8E-06	6.8E-06	7.0E-06	7.3E-06	6.7E-06	6.5E-06	6.7E-06	6.2E-06	6.7E-06	3.2E-06
1.5	3.7E-06	4.8E-06	3.6E-06	3.6E-06	3.6E-06	5.5E-06	5.5E-06	5.7E-06	5.9E-06	5.7E-06	5.6E-06	5.8E-06	5.8E-06	5.7E-06	5.4E-06	3.8E-06
2.0	3.9E-06	4.0E-06	4.0E-06	4.0E-06	3.1E-06	4.0E-06	4.0E-06	4.1E-06	4.2E-06	4.4E-06	4.1E-06	4.2E-06	4.2E-06	4.2E-06	4.0E-06	3.2E-06
2.5	3.2E-06	3.1E-06	3.1E-06	3.0E-06	2.8E-06	3.0E-06	3.0E-06	3.1E-06	3.1E-06	3.2E-06	3.2E-06	3.1E-06	3.1E-06	3.2E-06	3.0E-06	3.0E-06
3.0	2.4E-06	2.4E-06	2.4E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.4E-06	2.4E-06	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06
3.5	1.9E-06	1.9E-06	1.9E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06
4.0	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	1.6E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06
4.5	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
5.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
6.0	8.0E-07	8.0E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	8.1E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07
7.0	6.2E-07	6.2E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07
8.0	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	5.0E-07	4.9E-07	4.9E-07	4.9E-07	5.0E-07	5.0E-07	5.0E-07
9.0	4.1E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.1E-07	4.0E-07	4.0E-07	4.0E-07	4.1E-07	4.1E-07	4.1E-07
.0	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07
.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
.0	7.1E-08	7.1E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08
.0	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08
.0	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08
.0	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08
IX																
INC	3.9E-06	4.8E-06	4.0E-06	4.0E-06	3.6E-06	6.8E-06	6.8E-06	6.8E-06	7.0E-06	7.3E-06	6.7E-06	6.5E-06	6.7E-06	6.2E-06	6.7E-06	3.8E-06
IST(MI)	2.0	1.5	2.0	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5

ITE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ- 1

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	3.9E-07	*3.6E-07	*3.6E-07	3.6E-07	3.6E-07	4.8E-06	4.8E-06	1.8E-06	2.2E-06	3.1E-06	3.1E-06	3.7E-06	3.7E-06	4.8E-06	4.0E-06	3.6E-07
.4	5.2E-07	4.9E-07	4.9E-07	*4.9E-07	4.9E-07	5.2E-06	5.2E-06	2.1E-06	3.0E-06	3.5E-06	3.5E-06	4.1E-06	4.1E-06	5.2E-06	4.4E-06	4.9E-07
.4	*6.6E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	5.5E-06	5.5E-06	2.4E-06	3.3E-06	3.8E-06	3.8E-06	4.4E-06	4.4E-06	5.5E-06	4.7E-06	*6.2E-07
.5	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	6.2E-06	6.2E-06	5.5E-06	4.6E-06	*4.9E-06	3.4E-06	5.2E-06	5.2E-06	6.2E-06	5.5E-06	1.1E-06
.5	1.3E-06	1.2E-06	1.2E-06	1.2E-06	*1.2E-06	6.3E-06	6.3E-06	6.0E-06	4.8E-06	5.3E-06	3.6E-06	5.3E-06	5.3E-06	6.3E-06	5.6E-06	1.2E-06
.5	1.5E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	6.4E-06	6.4E-06	6.4E-06	5.0E-06	5.5E-06	*4.8E-06	5.5E-06	5.5E-06	6.4E-06	5.7E-06	1.4E-06
.5	1.8E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	6.7E-06	7.0E-06	7.0E-06	5.4E-06	6.2E-06	6.2E-06	*5.6E-06	5.6E-06	*6.4E-06	5.9E-06	1.7E-06
.6	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	6.6E-06	7.0E-06	7.0E-06	*5.7E-06	6.6E-06	6.6E-06	5.7E-06	*6.1E-06	6.4E-06	*5.9E-06	2.1E-06
.6	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	6.3E-06	6.7E-06	*6.7E-06	6.0E-06	6.3E-06	6.5E-06	5.6E-06	6.3E-06	6.1E-06	5.7E-06	2.7E-06
.7	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	6.2E-06	*6.8E-06	6.9E-06	6.9E-06	6.2E-06	6.4E-06	5.9E-06	6.2E-06	6.1E-06	5.7E-06	2.8E-06
.7	2.6E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	*6.1E-06	6.4E-06	6.7E-06	6.9E-06	6.4E-06	6.3E-06	5.8E-06	6.3E-06	6.0E-06	5.6E-06	2.8E-06
1.0	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.7E-06	4.8E-06	4.4E-06	4.8E-06	4.3E-06	4.5E-06	2.9E-06
1.5	2.0E-06	2.4E-06	2.0E-06	2.0E-06	2.0E-06	2.6E-06	2.6E-06	2.6E-06	2.7E-06	2.6E-06	2.6E-06	2.6E-06	2.7E-06	2.6E-06	2.6E-06	2.1E-06
2.0	1.6E-06	1.6E-06	1.7E-06	1.7E-06	1.4E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.4E-06
2.5	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06
3.0	8.8E-07	8.7E-07	8.7E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.7E-07	8.7E-07	8.9E-07	8.8E-07	8.7E-07	8.7E-07	8.8E-07	8.7E-07	9.8E-07
3.5	6.8E-07	6.8E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.8E-07	6.8E-07	6.7E-07	6.7E-07	6.8E-07	6.8E-07	6.8E-07
4.0	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.3E-07	5.4E-07	5.4E-07	5.4E-07	5.5E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
4.5	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.5E-07	4.4E-07	4.4E-07	4.4E-07	4.5E-07	4.4E-07	4.5E-07
5.0	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07
6.0	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
7.0	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07
8.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
9.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-C7	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
10.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
15.0	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08
20.0	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.4E-08	3.4E-08	3.4E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08
25.0	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08
30.0	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08
40.0	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
50.0	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09
MAX CONC	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	6.7E-06	7.0E-06	7.0E-06	6.9E-06	6.6E-06	6.6E-06	5.9E-06	6.3E-06	6.4E-06	5.9E-06	2.9E-06
DIST(MI)	1.0	1.0	1.0	1.0	1.0	.5	.6	.6	.7	.6	.6	.7	.6	.5	.6	1.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. OG- 2

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 5. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	4.3E-07	*4.0E-07	*4.0E-07	4.0E-07	4.0E-07	4.3E-06	4.0E-06	1.8E-06	2.1E-06	2.9E-06	2.9E-06	3.4E-06	3.4E-06	4.3E-06	3.7E-06	4.0E-07
.4	5.5E-07	5.2E-07	5.2E-07	*5.2E-07	5.2E-07	4.5E-06	4.5E-06	2.0E-06	2.8E-06	3.2E-06	3.2E-06	3.6E-06	3.6E-06	4.5E-06	3.9E-06	5.2E-07
.4	*6.7E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	4.7E-06	4.7E-06	2.2E-06	3.0E-06	3.4E-06	3.4E-06	3.8E-06	3.8E-06	4.7E-06	4.1E-06	*6.3E-07
.5	1.0E-06	9.9E-07	9.9E-07	9.9E-07	9.9E-07	4.9E-06	4.9E-06	4.4E-06	3.8E-06	*3.9E-06	2.9E-06	4.1E-06	4.1E-06	4.9E-06	4.4E-06	9.9E-07
.5	1.2E-06	1.1E-06	1.1E-06	1.1E-06	*1.1E-06	4.9E-06	4.9E-06	4.7E-06	3.8E-06	4.2E-06	3.0E-06	4.2E-06	4.2E-06	4.9E-06	4.4E-06	1.1E-06
.5	1.3E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	4.8E-06	4.8E-06	4.8E-06	3.9E-06	4.2E-06	*3.5E-06	4.2E-06	4.2E-06	4.8E-06	4.4E-06	1.2E-06
.5	1.5E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	4.9E-06	5.1E-06	5.1E-06	4.1E-06	4.6E-06	4.6E-06	*4.2E-06	4.2E-06	*4.9E-06	4.4E-06	1.4E-06
.6	1.7E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	4.7E-06	4.6E-06	4.9E-06	*4.1E-06	4.7E-06	4.7E-06	4.1E-06	*4.4E-06	4.5E-06	*4.2E-06	1.6E-06
.6	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	4.4E-06	4.6E-06	*4.6E-06	4.2E-06	4.4E-06	4.5E-06	3.9E-06	4.4E-06	4.3E-06	4.0E-06	2.0E-06
.7	1.9E-06	1.8E-06	1.8E-06	1.8E-06	1.6E-06	4.3E-06	*4.5E-06	4.7E-06	4.1E-06	4.3E-06	4.4E-06	4.1E-06	4.3E-06	4.2E-06	3.9E-06	2.0E-06
.7	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	*4.2E-06	4.4E-06	4.8E-06	4.7E-06	4.4E-06	4.3E-06	4.0E-06	4.3E-06	4.1E-06	3.9E-06	2.1E-06
1.0	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.0E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	1.9E-06
1.5	1.3E-06	1.5E-06	1.3E-06	1.3E-06	1.3E-06	1.6E-06	1.6E-06	1.6E-06	1.7E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.3E-06
2.0	9.9E-07	1.0E-06	1.0E-06	1.0E-06	8.8E-07	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	9.0E-07
2.5	7.2E-07	7.1E-07	7.1E-07	7.0E-07	6.8E-07	7.1E-07	7.1E-07	7.1E-07	7.2E-07	7.2E-07	7.2E-07	7.1E-07	7.2E-07	7.2E-07	7.0E-07	7.0E-07
3.0	5.3E-07	5.3E-07	5.3E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.2E-07	5.3E-07
3.5	4.1E-07	4.1E-07	4.1E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
4.0	3.3E-07	3.3E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07
4.5	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.6E-07	2.6E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
5.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
6.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
7.0	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
8.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
9.0	8.2E-08	8.2E-08	8.2E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08
10.0	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08
15.0	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08
20.0	2.1E-08	2.1E-08	2.1E-08	2.1E-06	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08
25.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
30.0	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
40.0	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09
50.0	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09
MAX CONC	1.9E-06	1.8E-06	1.8E-06	1.8E-06	1.9E-06	4.9E-06	5.1E-06	5.1E-06	4.7E-06	4.7E-06	4.7E-06	4.2E-06	4.4E-06	4.9E-06	4.4E-06	2.1E-06
DIST(MI)	.7	.7	.7	.7	.7	.5	.5	.5	.7	.6	.6	.5	.6	.5	.5	.7

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. OQ- 3

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 7. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	3.8E-07	*3.6E-07	*3.6E-07	3.6E-07	3.6E-07	3.5E-06	3.3E-06	1.5E-06	1.8E-06	2.4E-06	2.4E-06	2.8E-06	2.8E-06	3.5E-06	3.0E-06	3.6E-07
.4	4.8E-07	4.5E-07	4.5E-07	*4.5E-07	4.5E-07	3.7E-06	3.7E-06	1.7E-06	2.3E-06	2.6E-06	2.6E-06	3.0E-06	3.0E-06	3.7E-06	3.2E-06	4.5E-07
.4	*5.7E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	3.7E-06	3.7E-06	1.8E-06	2.4E-06	2.7E-06	2.7E-06	3.1E-06	3.1E-06	3.7E-06	3.3E-06	*5.4E-07
.5	8.6E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	3.8E-06	3.8E-06	3.4E-06	3.0E-06	*3.1E-06	2.3E-06	3.3E-06	3.3E-06	3.8E-06	3.4E-06	8.2E-07
.5	9.4E-07	9.0E-07	9.0E-07	9.0E-07	*9.0E-07	3.8E-06	3.8E-06	3.6E-06	3.0E-06	3.3E-06	2.4E-06	3.3E-06	3.3E-06	3.8E-06	3.4E-06	9.0E-07
.5	1.0E-06	9.8E-07	9.8E-07	9.8E-07	9.8E-07	3.7E-06	3.7E-06	3.7E-06	3.0E-06	3.3E-06	*2.8E-06	3.3E-06	3.3E-06	3.7E-06	3.4E-06	9.8E-07
.5	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	3.8E-06	3.9E-06	3.9E-06	3.1E-06	3.5E-06	3.5E-06	*3.2E-06	3.2E-06	*3.6E-06	3.4E-06	1.1E-06
.6	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.5E-06	3.7E-06	3.7E-06	*3.1E-06	3.5E-06	3.5E-06	3.1E-06	*3.3E-06	3.4E-06	*3.2E-06	1.3E-06
.6	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	3.3E-06	3.4E-06	*3.4E-06	3.1E-06	3.3E-06	3.4E-06	3.0E-06	3.3E-06	3.2E-06	3.0E-06	1.5E-06
.7	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	3.2E-06	*3.3E-06	3.5E-06	3.1E-06	3.2E-06	3.3E-06	3.1E-06	3.2E-06	3.1E-06	3.0E-06	1.6E-06
.7	1.5E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	*3.1E-06	3.3E-06	3.4E-06	3.5E-06	3.3E-06	3.2E-06	3.0E-06	3.2E-06	3.1E-06	2.9E-06	1.6E-06
1.0	1.4E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.2E-06	2.1E-06	2.1E-06	2.1E-06	2.0E-06	2.1E-06	1.4E-06
1.5	9.3E-07	1.1E-06	9.2E-07	9.2E-07	9.2E-07	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06	9.5E-07
2.0	7.1E-07	7.2E-07	7.3E-07	7.3E-07	6.4E-07	7.3E-07	7.3E-07	7.4E-07	7.4E-07	7.5E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.3E-07	6.5E-07
2.5	5.2E-07	5.1E-07	5.1E-07	5.1E-07	4.8E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.2E-07	5.2E-07	5.1E-07	5.1E-07	5.2E-07	5.1E-07	5.0E-07
3.0	3.8E-07	3.8E-07	3.8E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07
3.5	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07
4.0	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07
4.5	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
5.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
6.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
7.0	9.0E-08	9.0E-08	9.0E-08	8.9E-08	9.0E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	9.0E-08	9.0E-08	9.0E-08	9.0E-08	9.0E-08	9.0E-08	9.0E-08
8.0	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08
9.0	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08
10.0	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08
15.0	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08
20.0	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08
25.0	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
30.0	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09
40.0	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09
50.0	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-08
MAX CONC	1.5E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	3.8E-06	3.9E-06	3.9E-06	3.5E-06	3.5E-06	3.5E-06	3.3E-06	3.3E-06	3.8E-06	3.4E-06	1.6E-06
DIST(MI)	.7	.7	.7	.7	.7	.5	.5	.5	.7	.6	.6	.5	.6	.5	.5	.7

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DG- 4

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 10. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N

DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S
.4	3.1E-07	*2.8E-07	*2.8E-07	2.8E-07	2.8E-07	2.7E-06	2.8E-06	1.2E-06
.4	3.8E-07	3.6E-07	3.6E-07	*3.6E-07	3.6E-07	2.8E-06	2.8E-06	1.3E-06
.4	*4.5E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	2.8E-06	2.8E-06	1.4E-06
.5	6.6E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	2.8E-06	2.8E-06	2.5E-06
.5	7.2E-07	6.9E-07	6.9E-07	6.9E-07	*6.9E-07	2.8E-06	2.8E-06	2.7E-06
.5	7.7E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	2.8E-06	2.8E-06	2.6E-06
.5	8.7E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	2.7E-06	2.8E-06	2.8E-06
.6	9.8E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	2.6E-06	2.7E-06	2.7E-06
.6	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	2.4E-06	2.5E-06	*2.5E-06
.7	1.1E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	2.3E-06	*2.4E-06	2.5E-06
.7	1.1E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	*2.2E-06	2.3E-06	2.4E-06
1.0	9.7E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	1.5E-06	1.5E-06	1.5E-06
1.5	6.6E-07	7.6E-07	6.5E-07	6.5E-07	6.5E-07	8.1E-07	8.1E-07	8.2E-07
2.0	5.0E-07	5.1E-07	5.1E-07	5.1E-07	4.5E-07	5.1E-07	5.1E-07	5.2E-07
2.5	3.6E-07	3.6E-07	3.6E-07	3.5E-07	3.4E-07	3.6E-07	3.6E-07	3.6E-07
3.0	2.7E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
3.5	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
4.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
4.5	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
5.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
6.0	8.2E-08	8.2E-08	8.2E-08	8.1E-08	8.2E-08	8.1E-08	8.2E-08	8.1E-08
7.0	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08
8.0	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08
9.0	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08
10.0	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08
15.0	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08
20.0	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
25.0	7.1E-09	7.1E-09	7.1E-09	7.1E-09	7.1E-09	7.1E-09	7.1E-09	7.1E-09
30.0	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09
40.0	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09
50.0	2.1E-09	2.1E-09	2.1E-09	2.1E-09	2.1E-09	2.1E-09	2.1E-09	2.1E-09
MAX CONC	1.1E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	2.8E-06	2.8E-06	2.8E-06
DIST(MI)	.7	.7	.7	.7	.7	.5	.5	.5

DISTANCE MILES	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	1.4E-06	1.8E-06	1.8E-06	2.2E-06	2.2E-06	2.7E-06	2.3E-06	2.9E-07
.4	1.7E-06	2.0E-06	2.0E-06	2.3E-06	2.3E-06	2.8E-06	2.4E-06	3.6E-07
.4	1.8E-06	2.1E-06	2.1E-06	2.3E-06	2.3E-06	2.8E-06	2.5E-06	*4.3E-07
.5	2.2E-06	*2.3E-06	1.7E-06	2.4E-06	2.4E-06	2.8E-06	2.5E-06	6.3E-07
.5	2.2E-06	2.4E-06	1.5E-06	2.4E-06	2.4E-06	2.8E-06	2.5E-06	6.9E-07
.5	2.2E-06	2.4E-06	*2.0E-06	2.4E-06	2.4E-06	2.8E-06	2.5E-06	7.4E-07
.5	2.3E-06	2.6E-06	2.6E-06	*2.4E-06	2.4E-06	*2.7E-06	2.5E-06	8.4E-07
.6	*2.3E-06	2.6E-06	2.6E-06	2.3E-06	*2.4E-06	2.5E-06	*2.3E-06	9.5E-07
.6	2.3E-06	2.4E-06	2.4E-06	2.1E-06	2.4E-06	2.3E-06	2.2E-06	1.1E-06
.7	2.2E-06	2.3E-06	2.4E-06	2.2E-06	2.3E-06	2.3E-06	2.1E-06	1.1E-06
.7	2.5E-06	2.3E-06	2.3E-06	2.2E-06	2.3E-06	2.2E-06	2.1E-06	1.2E-06
1.0	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.4E-06	1.5E-06	1.0E-06
1.5	8.4E-07	8.2E-07	8.2E-07	8.3E-07	8.3E-07	8.2E-07	8.1E-07	6.7E-07
2.0	5.2E-07	5.3E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.1E-07	4.6E-07
2.5	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.5E-07	3.5E-07
3.0	2.6E-07	2.7E-07	2.7E-07	2.6E-07	2.6E-07	2.7E-07	2.6E-07	2.7E-07
3.5	2.0E-07	2.1E-07	2.1E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.1E-07
4.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
4.5	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
5.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
6.0	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08
7.0	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08
8.0	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08
9.0	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08
10.0	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08
15.0	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08
20.0	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
25.0	7.1E-09	7.1E-09	7.1E-09	7.1E-09	7.1E-09	7.1E-09	7.1E-09	7.1E-09
30.0	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09
40.0	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09
50.0	2.1E-09	2.1E-09	2.1E-09	2.1E-09	2.1E-09	2.1E-09	2.1E-09	2.1E-09
MAX CONC	2.5E-06	2.6E-06	2.6E-06	2.4E-06	2.4E-06	2.8E-06	2.5E-06	1.2E-06
DIST(MI)	.7	.5	.5	.5	.5	.5	.5	.7

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. OG- 5

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 13. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	2.5E-07	*2.4E-07	*2.4E-07	2.4E-07	2.4E-07	2.2E-06	2.0E-06	9.6E-07	1.1E-06	1.5E-06	1.5E-06	1.7E-06	1.7E-06	2.2E-06	1.9E-06	2.4E-07
.4	3.1E-07	2.9E-07	2.9E-07	*2.9E-07	2.9E-07	2.2E-06	2.2E-06	1.1E-06	1.4E-06	1.6E-06	1.6E-06	1.8E-06	1.8E-06	2.3E-06	1.9E-06	2.9E-07
.4	*3.7E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	2.2E-06	2.2E-06	1.1E-06	1.5E-06	1.7E-06	1.7E-06	1.6E-06	1.9E-06	2.2E-06	2.0E-06	*3.5E-07
.5	5.3E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	2.2E-06	2.2E-06	2.0E-06	1.8E-06	*1.8E-06	1.4E-06	1.9E-06	1.9E-06	2.2E-06	2.0E-06	5.1E-07
.5	5.8E-07	5.5E-07	5.5E-07	5.5E-07	*5.5E-07	2.2E-06	2.2E-06	2.1E-06	1.8E-06	1.9E-06	1.4E-06	1.9E-06	1.9E-06	2.2E-06	2.0E-06	5.5E-07
.5	6.2E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	2.2E-06	2.2E-06	2.2E-06	1.8E-06	1.9E-06	*1.6E-06	1.9E-06	1.9E-06	2.2E-06	2.0E-06	5.9E-07
.5	6.9E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	2.2E-06	2.2E-06	2.2E-06	1.8E-06	2.0E-06	2.0E-06	*1.9E-06	1.9E-06	*2.1E-06	1.9E-06	6.7E-07
.6	7.7E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	2.0E-06	2.1E-06	2.1E-06	*1.8E-06	2.0E-06	2.0E-06	1.8E-06	*1.9E-06	2.0E-06	*1.8E-06	7.5E-07
.6	8.2E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	1.9E-06	1.9E-06	*1.9E-06	1.8E-06	1.9E-06	1.9E-06	1.7E-06	1.9E-06	1.8E-06	1.7E-06	8.9E-07
.7	8.3E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	1.8E-06	*1.9E-06	2.0E-06	1.7E-06	1.8E-06	1.8E-06	1.7E-06	1.8E-06	1.8E-06	1.7E-06	9.0E-07
.7	8.4E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	*1.8E-06	1.8E-06	1.9E-06	1.9E-06	1.8E-06	1.8E-06	1.7E-06	1.8E-06	1.7E-06	1.6E-06	9.1E-07
1.0	7.6E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	7.9E-07
1.5	5.1E-07	5.8E-07	5.0E-07	5.0E-07	5.0E-07	6.3E-07	6.3E-07	6.3E-07	6.5E-07	6.3E-07	6.3E-07	6.4E-07	6.4E-07	6.3E-07	6.2E-07	5.2E-07
2.0	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.5E-07	3.9E-07	3.9E-07	4.0E-07	4.0E-07	4.1E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	3.9E-07	3.5E-07
2.5	2.8E-07	2.7E-07	2.7E-07	2.7E-07	2.6E-07	2.7E-07	2.7E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.7E-07	2.7E-07
3.0	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.1E-07	2.1E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.1E-07
3.5	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.5E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
4.0	1.3E-07	1.3E-07	1.3E-07	1.2E-07	1.3E-07	1.2E-07	1.2E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
4.5	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
5.0	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.5E-08	8.5E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08
6.0	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08
7.0	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08
8.0	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08
9.0	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08
10.0	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08
15.0	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
20.0	8.0E-09	8.0E-09	8.0E-09	8.0E-09	8.0E-09	8.0E-09	8.0E-09	8.0E-09	8.0E-09	8.0E-09	8.0E-09	8.0E-09	8.0E-09	8.0E-09	8.0E-09	8.0E-09
25.0	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09
30.0	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09
40.0	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09
50.0	1.7E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09
MAX CONC	8.4E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	2.2E-06	2.2E-06	2.2E-06	1.9E-06	2.0E-06	2.0E-06	1.9E-06	1.9E-06	2.2E-06	2.0E-06	9.1E-07
DIST(MI)	.7	.7	.7	.7	.7	.4	.4	.5	.7	.5	.5	.5	.5	.4	.5	.7

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ- 6

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 16. MPH

	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
WIND DIRECTION RANGES																
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
TANCE .ES																
1	2.1E-07	*2.0E-07	*2.0E-07	2.0E-07	2.0E-07	1.8E-06	1.7E-06	8.0E-07	9.4E-07	1.3E-06	1.3E-06	1.4E-06	1.4E-06	1.8E-06	1.5E-06	2.0E-07
1	2.6E-07	2.4E-07	2.4E-07	*2.4E-07	2.4E-07	1.8E-06	1.8E-06	8.8E-07	1.2E-06	1.3E-06	1.3E-06	1.5E-06	1.5E-06	1.8E-06	1.6E-06	2.4E-07
1	*3.1E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	1.8E-06	1.8E-06	9.4E-07	1.2E-06	1.4E-06	1.4E-06	1.5E-06	1.5E-06	1.8E-06	1.6E-06	*2.8E-07
5	4.4E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	1.8E-06	1.8E-06	1.7E-06	1.4E-06	*1.5E-06	1.1E-06	1.6E-06	1.6E-06	1.8E-06	1.7E-06	4.2E-07
5	4.8E-07	4.6E-07	4.6E-07	4.6E-07	*4.6E-07	1.8E-06	1.8E-06	1.7E-06	1.5E-06	1.6E-06	1.2E-06	1.6E-06	1.6E-06	1.8E-06	1.6E-06	4.6E-07
5	5.1E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	1.8E-06	1.8E-06	1.8E-06	1.5E-06	1.6E-06	*1.3E-06	1.6E-06	1.6E-06	1.8E-06	1.6E-06	4.9E-07
5	5.7E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	1.8E-06	1.8E-06	1.8E-06	1.5E-06	1.7E-06	1.7E-06	*1.5E-06	1.5E-06	*1.7E-06	1.6E-06	5.5E-07
6	6.4E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	1.6E-06	1.7E-06	1.7E-06	*1.5E-06	1.6E-06	1.6E-06	1.5E-06	*1.6E-06	1.6E-06	*1.5E-06	6.2E-07
6	6.8E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	1.5E-06	1.6E-06	*1.6E-06	1.4E-06	1.5E-06	1.5E-06	1.4E-06	1.5E-06	1.5E-06	1.4E-06	7.4E-07
7	6.8E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	1.5E-06	*1.5E-06	1.6E-06	1.4E-06	1.5E-06	1.5E-06	1.4E-06	1.5E-06	1.4E-06	1.4E-06	7.4E-07
7	6.9E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	*1.4E-06	1.5E-06	1.5E-06	1.6E-06	1.5E-06	1.5E-06	1.4E-06	1.5E-06	1.4E-06	1.3E-06	7.4E-07
0	6.2E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	9.4E-07	9.4E-07	9.4E-07	9.5E-07	9.6E-07	9.3E-07	9.2E-07	9.3E-07	9.0E-07	9.3E-07	6.4E-07
5	4.1E-07	4.8E-07	4.1E-07	4.1E-07	4.1E-07	5.1E-07	5.1E-07	5.2E-07	5.2E-07	5.2E-07	5.1E-07	5.2E-07	5.2E-07	5.2E-07	5.1E-07	4.2E-07
0	3.2E-07	3.2E-07	3.2E-07	3.2E-07	2.8E-07	3.2E-07	3.2E-07	3.2E-07	3.3E-07	3.3E-07	3.2E-07	3.3E-07	3.3E-07	3.3E-07	3.2E-07	2.9E-07
5	2.3E-07	2.2E-07	2.2E-07	2.2E-07	2.1E-07	2.2E-07	2.2E-07	2.2E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.2E-07	2.2E-07
0	1.7E-07	1.7E-07	1.7E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.6E-07	1.7E-07
5	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
5	8.4E-08	8.4E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.4E-08	8.4E-08	8.3E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08
0	7.0E-08	7.0E-08	7.0E-08	6.9E-08	7.0E-08	6.9E-08	6.9E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08
0	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08
0	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08
0	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08
0	2.6E-08	2.6E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08
0	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08
0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
0	6.5E-09	6.5E-09	6.5E-09	6.5E-09	6.5E-09	6.5E-09	6.5E-09	6.5E-09	6.5E-09	6.5E-09	6.5E-09	6.5E-09	6.5E-09	6.5E-09	6.5E-09	6.5E-09
0	4.4E-09	4.4E-09	4.4E-09	4.4E-09	4.4E-09	4.4E-09	4.4E-09	4.4E-09	4.4E-09	4.4E-09	4.4E-09	4.4E-09	4.4E-09	4.4E-09	4.4E-09	4.4E-09
0	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09
0	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09
0	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09
C	6.9E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	1.6E-06	1.8E-06	1.8E-06	1.6E-06	1.7E-06	1.7E-06	1.6E-06	1.6E-06	1.8E-06	1.7E-06	7.4E-07
T(MI)	.7	.7	.7	.7	.7	.4	.4	.5	.7	.5	.5	.5	.5	.4	.5	.7

TABLE NO. DG- 7

E; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 16. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	2.3E-14	*1.5E-14	*1.5E-14	1.5E-14	1.5E-14	1.1E-08	7.5E-09	8.0E-11	2.1E-10	1.3E-08	1.3E-08	2.9E-08	2.9E-08	1.1E-08	4.4E-09	1.5E-14
.4	1.1E-13	7.4E-14	7.4E-14	*7.4E-14	7.4E-14	1.9E-08	1.9E-08	2.0E-10	1.1E-09	2.5E-09	2.5E-09	5.5E-09	5.5E-09	1.9E-08	8.0E-09	7.4E-14
.4	*4.0E-13	2.8E-13	2.8E-13	2.8E-13	2.8E-13	2.9E-08	2.9E-08	4.3E-10	2.1E-09	4.8E-09	4.8E-09	9.3E-09	9.3E-09	2.9E-08	1.3E-08	*2.8E-13
.5	9.4E-12	7.0E-12	7.0E-12	7.0E-12	7.0E-12	8.3E-08	8.3E-08	4.4E-08	1.8E-08	*2.5E-08	3.[illegible]-09	3.3E-08	3.3E-08	8.3E-08	4.4E-08	7.0E-12
.5	2.1E-11	1.6E-11	1.6E-11	1.6E-11	*1.6E-11	1.1E-07	1.1E-07	8.4E-08	2.6E-08	4.5E-08	5.9E-09	4.5E-08	4.5E-08	1.1E-07	5.9E-08	1.6E-11
.5	4.4E-11	3.4E-11	3.4E-11	3.4E-11	3.4E-11	1.4E-07	1.4E-07	1.4E-07	3.6E-08	6.0E-08	*2.1E-08	6.0E-08	6.0E-08	1.4E-07	7.8E-08	3.4E-11
.5	1.6E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	2.5E-07	3.1E-07	3.1E-07	7.9E-08	1.7E-07	1.7E-07	*9.9E-08	9.9E-08	*2.0E-07	1.2E-07	1.3E-10
.6	7.3E-10	6.0E-10	6.0E-10	6.0E-10	6.0E-10	3.9E-07	5.5E-07	5.5E-07	*1.8E-07	3.9E-07	3.9E-07	1.8E-07	*2.7E-07	3.3E-07	*2.1E-07	6.0E-10
.6	2.3E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	5.4E-07	7.2E-07	*7.2E-07	3.9E-07	5.4E-07	6.2E-07	2.7E-07	5.4E-07	4.6E-07	3.2E-07	4.1E-09
.7	3.2E-09	2.7E-09	2.7E-09	2.7E-09	2.7E-09	5.8E-07	*7.7E-07	1.0E-06	4.4E-07	5.9E-07	6.7E-07	4.4E-07	5.9E-07	5.1E-07	3.5E-07	5.6E-09
.7	4.3E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	*6.3E-07	8.3E-07	1.1E-06	1.2E-06	8.3E-07	7.2E-07	4.8E-07	7.2E-07	5.5E-07	3.9E-07	7.3E-09
1.0	7.6E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	1.6E-06	1.6E-06	1.6E-06	1.7E-06	1.9E-06	1.5E-06	1.4E-06	1.5E-06	1.2E-06	1.5E-06	1.0E-07
1.5	3.0E-07	8.9E-07	2.9E-07	2.9E-07	2.9E-07	1.5E-06	1.5E-06	1.7E-06	1.9E-06	1.7E-06	1.6E-06	1.7E-06	1.8E-06	1.7E-06	1.5E-06	3.5E-07
2.0	1.1E-06	1.1E-06	1.2E-06	1.2E-06	4.2E-07	1.2E-06	1.2E-06	1.3E-06	1.4E-06	1.5E-06	1.3E-06	1.4E-06	1.4E-06	1.4E-06	1.2E-06	4.8E-07
2.5	1.1E-06	1.0E-06	1.0E-06	9.6E-07	7.0E-07	8.8E-07	8.8E-07	1.0E-06	1.1E-06	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	9.6E-07	9.1E-07
3.0	8.8E-07	8.4E-07	8.4E-07	7.8E-07	7.7E-07	7.9E-07	8.0E-07	8.4E-07	8.6E-07	8.5E-07	9.0E-07	8.8E-07	8.6E-07	8.9E-07	8.2E-07	8.0E-07
3.5	7.2E-07	7.2E-07	6.8E-07	6.5E-07	6.6E-07	6.6E-07	6.6E-07	6.9E-07	7.0E-07	7.6E-07	7.4E-07	6.9E-07	7.0E-07	7.2E-07	7.2E-07	7.4E-07
4.0	5.9E-07	6.0E-07	5.7E-07	5.5E-07	5.8E-07	5.5E-07	5.5E-07	5.7E-07	5.8E-07	6.3E-07	6.2E-07	5.9E-07	6.0E-07	6.0E-07	5.9E-07	6.1E-07
4.5	5.1E-07	5.0E-07	4.9E-07	4.8E-07	4.9E-07	4.7E-07	4.7E-07	4.8E-07	4.9E-07	5.3E-07	5.2E-07	5.0E-07	5.2E-07	5.2E-07	5.1E-07	5.2E-07
5.0	4.4E-07	4.3E-07	4.2E-07	4.1E-07	4.2E-07	4.1E-07	4.1E-07	4.2E-07	4.2E-07	4.5E-07	4.4E-07	4.3E-07	4.4E-07	4.4E-07	4.3E-07	4.5E-07
6.0	3.3E-07	3.3E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.4E-07	3.3E-07	3.3E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07
7.0	2.7E-07	2.6E-07	2.6E-07	2.5E-07	2.6E-07	2.6E-07	2.6E-07	2.5E-07	2.6E-07	2.7E-07	2.6E-07	2.6E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
8.0	2.2E-07	2.2E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
9.0	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.7E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07
10.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
15.0	8.2E-08	8.2E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08
20.0	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08
25.0	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08
30.0	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08
40.0	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08
50.0	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
MAX																
CONC	1.1E-06	1.1E-06	1.2E-06	1.2E-06	7.7E-07	1.6E-06	1.6E-06	1.7E-06	1.9E-06	1.9E-06	1.6E-06	1.7E-06	1.8E-06	1.7E-06	1.5E-06	9.1E-07
DIST(MI)	2.5	2.0	2.0	2.0	3.0	1.0	1.0	1.5	1.5	1.0	1.5	1.5	1.5	1.5	1.0	2.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DG- 8

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 22. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	2.2E-14	*1.4E-14	*1.4E-14	1.4E-14	1.4E-14	9.8E-09	6.7E-09	7.3E-11	1.9E-10	1.1E-09	1.1E-09	2.6E-09	2.6E-09	9.8E-09	3.9E-09	1.4E-14
.4	1.0E-13	6.8E-14	6.8E-14	*6.8E-14	6.8E-14	1.6E-08	1.6E-08	1.8E-10	1.0E-08	2.2E-09	2.3E-09	4.9E-09	4.9E-09	1.6E-08	7.1E-09	6.8E-14
.4	*3.7E-13	2.6E-13	2.6E-13	2.6E-13	2.6E-13	2.5E-08	2.5E-08	3.8E-10	1.9E-09	4.0E-09	4.0E-09	8.2E-09	8.2E-09	2.5E-08	1.2E-08	*2.6E-13
.5	8.4E-12	6.3E-12	6.3E-12	6.3E-12	6.3E-12	7.1E-08	7.1E-08	3.8E-08	1.6E-08	*2.1E-08	3.3E-09	2.9E-08	2.9E-08	7.1E-08	3.8E-08	6.3E-12
.5	1.9E-11	1.4E-11	1.4E-11	1.4E-11	*1.4E-11	9.3E-08	9.3E-08	7.2E-08	2.3E-08	3.9E-08	5.2E-09	3.9E-08	3.9E-08	9.3E-08	5.1E-08	1.4E-11
.5	3.9E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	1.2E-07	1.2E-07	1.2E-07	3.1E-08	5.2E-08	*1.8E-08	5.2E-08	5.2E-08	1.2E-07	6.7E-08	3.0E-11
.5	1.4E-10	1.1E-10	1.1E-10	1.1E-10	1.1E-10	2.1E-07	2.6E-07	2.6E-07	6.8E-08	1.4E-07	1.4E-07	*8.5E-08	8.5E-08	*1.7E-07	1.1E-07	1.1E-10
.6	6.3E-10	5.2E-10	5.2E-10	5.2E-10	5.2E-10	3.3E-07	4.6E-07	4.6E-07	*1.5E-07	3.3E-07	3.3E-07	1.5E-07	*2.3E-07	2.8E-07	*1.8E-07	5.2E-10
.6	2.0E-09	1.7E-09	1.7E-09	1.7E-06	1.7E-09	4.5E-07	6.1E-07	*6.1E-07	3.3E-07	4.5E-07	5.2E-07	2.3E-07	4.5E-07	3.9E-07	2.7E-07	3.5E-09
.7	2.8E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	4.9E-07	*6.5E-07	8.5E-07	3.7E-07	4.9E-07	5.7E-07	3.7E-07	4.9E-07	4.3E-07	3.0E-07	4.8E-09
.7	3.7E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	*5.3E-07	7.0E-07	9.0E-07	1.0E-06	7.0E-07	6.1E-07	4.0E-07	6.1E-07	4.6E-07	3.3E-07	6.3E-09
1.0	6.4E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	1.3E-06	1.3E-06	1.3E-06	1.4E-06	1.6E-06	1.2E-06	1.2E-06	1.2E-06	1.0E-06	1.2E-06	8.6E-08
1.5	2.5E-07	7.4E-07	2.4E-07	2.4E-07	2.4E-07	1.2E-06	1.2E-06	1.4E-06	1.6E-06	1.4E-06	1.3E-06	1.4E-06	1.5E-06	1.4E-06	1.2E-06	2.9E-07
2.0	8.7E-07	9.4E-07	9.8E-07	9.8E-07	3.5E-07	1.0E-06	1.0E-06	1.1E-06	1.2E-06	1.3E-06	1.1E-06	1.1E-06	1.2E-06	1.1E-06	9.8E-07	4.0E-07
2.5	9.3E-07	9.3E-07	8.3E-07	7.9E-07	5.8E-07	8.0E-07	8.0E-07	8.4E-07	8.9E-07	9.7E-07	9.4E-07	8.8E-07	8.9E-07	9.4E-07	7.9E-07	7.5E-07
3.0	7.2E-07	6.9E-07	6.9E-07	6.4E-07	6.3E-07	6.5E-07	6.6E-07	6.9E-07	7.0E-07	7.8E-07	7.4E-07	7.0E-07	7.0E-07	7.3E-07	6.7E-07	7.4E-07
3.5	5.9E-07	5.9E-07	5.6E-07	5.3E-07	5.4E-07	5.4E-07	5.4E-07	5.6E-07	5.7E-07	6.2E-07	6.0E-07	5.7E-07	5.7E-07	5.9E-07	5.9E-07	6.1E-07
4.0	4.9E-07	4.9E-07	4.7E-07	4.5E-07	4.7E-07	4.5E-07	4.5E-07	4.7E-07	4.7E-07	5.1E-07	5.0E-07	4.8E-07	4.9E-07	4.9E-07	4.9E-07	5.0E-07
4.5	4.2E-07	4.1E-07	4.0E-07	3.9E-07	4.0E-07	3.8E-07	3.9E-07	4.0E-07	4.0E-07	4.3E-07	4.2E-07	4.1E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07
5.0	3.6E-07	3.5E-07	3.5E-07	3.4E-07	3.5E-07	3.3E-07	3.3E-07	3.4E-07	3.5E-07	3.7E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07
6.0	2.7E-07	2.7E-07	2.7E-07	2.6E-07	2.6E-07	2.6E-07	2.5E-07	2.6E-07	2.6E-07	2.8E-07	2.7E-07	2.7E-07	2.8E-07	2.7E-07	2.8E-07	2.8E-07
7.0	2.2E-07	2.2E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
8.0	1.8E-07	1.8E-07	1.8E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07
9.0	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
10.0	1.3E-07	1.3E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
15.0	6.7E-08	6.7E-08	6.7E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08
20.0	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.2E-08	4.2E-08	4.2E-08	4.2E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08
25.0	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08
30.0	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08
40.0	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08
50.0	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
MAX CONC	9.3E-07	9.4E-07	9.8E-07	9.8E-07	6.3E-07	1.3E-06	1.3E-06	1.4E-06	1.6E-06	1.6E-06	1.3E-06	1.4E-06	1.5E-06	1.4E-06	1.2E-06	7.5E-07
DIST(MI)	2.5	2.0	2.0	2.0	3.0	1.0	1.0	1.5	1.5	1.0	1.5	1.5	1.5	1.5	1.0	2.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. QQ- 8

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 27. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	2.0E-14	*1.3E-14	*1.3E-14	1.3E-14	1.3E-14	8.5E-09	5.8E-09	6.4E-11	1.7E-10	9.9E-10	9.9E-10	2.3E-09	2.3E-09	8.5E-09	3.4E-09	1.3E-14
.4	9.0E-14	6.1E-14	6.1E-14	*6.1E-14	6.1E-14	1.4E-08	1.4E-08	1.6E-10	8.7E-10	2.0E-09	2.0E-09	4.2E-09	4.2E-09	1.4E-08	6.1E-09	6.1E-14
.4	*3.3E-13	2.3E-13	2.3E-13	2.3E-13	2.3E-13	2.2E-08	2.2E-08	3.3E-10	1.6E-09	3.5E-09	3.5E-09	7.1E-09	7.1E-09	2.2E-08	1.0E-08	*2.3E-13
.5	7.4E-12	5.5E-12	5.5E-12	5.5E-12	5.5E-12	6.1E-08	6.1E-08	3.2E-08	1.4E-08	*1.8E-08	2.8E-09	2.4E-08	2.4E-08	6.1E-08	3.2E-08	5.5E-12
.5	1.6E-11	1.3E-11	1.3E-11	1.3E-11	*1.3E-11	7.9E-08	7.9E-08	6.1E-08	1.9E-08	3.3E-08	4.4E-09	3.3E-08	3.3E-08	7.9E-08	4.4E-08	1.3E-11
.5	3.4E-11	2.6E-11	2.6E-11	2.6E-11	2.6E-11	9.9E-08	9.9E-08	9.9E-08	2.6E-08	4.4E-08	*1.5E-08	4.4E-08	4.4E-08	9.9E-08	5.7E-08	2.6E-11
.5	1.2E-10	9.6E-11	9.6E-11	9.6E-11	9.6E-11	1.8E-07	2.2E-07	2.2E-07	5.7E-08	1.2E-07	1.2E-07	*7.2E-08	7.2E-08	*1.5E-07	9.0E-08	9.6E-11
.6	5.4E-10	4.4E-10	4.4E-10	4.4E-10	4.4E-10	2.8E-07	3.9E-07	3.9E-07	*1.3E-07	2.8E-07	2.8E-07	1.3E-07	*1.9E-07	2.3E-07	*1.5E-07	4.4E-10
.6	1.7E-09	1.4E-09	1.4E-09	1.4E-09	1.4E-09	3.8E-07	5.1E-07	*5.1E-07	2.8E-07	3.8E-07	4.4E-07	1.9E-07	3.8E-07	3.2E-07	2.2E-07	3.0E-09
.7	2.3E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	4.1E-07	*5.4E-07	7.1E-07	3.1E-07	4.1E-07	4.7E-07	3.1E-07	4.1E-07	3.6E-07	2.5E-07	4.1E-09
.7	3.1E-09	2.7E-09	2.7E-09	2.7E-09	2.7E-09	*4.4E-07	5.8E-07	7.5E-07	8.4E-07	5.8E-07	5.1E-07	3.4E-07	5.1E-07	3.9E-07	2.8E-07	5.3E-09
1.0	5.3E-08	4.9E-08	4.8E-08	4.8E-08	4.9E-08	1.1E-06	1.1E-06	1.1E-06	1.2E-06	1.3E-06	1.0E-06	9.5E-07	1.0E-06	8.2E-07	1.0E-06	7.1E-08
1.5	2.0E-07	6.1E-07	2.0E-07	2.0E-07	2.0E-07	1.0E-06	1.0E-06	1.1E-06	1.3E-06	1.1E-06	1.1E-06	1.2E-06	1.2E-06	1.1E-06	9.9E-07	2.4E-07
2.0	7.1E-07	7.7E-07	8.0E-07	8.0E-07	2.9E-07	8.2E-07	8.2E-07	8.8E-07	9.5E-07	1.0E-06	8.8E-07	9.4E-07	9.5E-07	9.4E-07	8.0E-07	3.2E-07
2.5	7.6E-07	6.8E-07	6.8E-07	6.5E-07	4.7E-07	6.6E-07	6.5E-07	6.9E-07	7.3E-07	7.9E-07	7.6E-07	7.2E-07	7.3E-07	7.6E-07	6.5E-07	6.1E-07
3.0	5.9E-07	5.6E-07	5.6E-07	5.3E-07	5.2E-07	5.3E-07	5.4E-07	5.6E-07	5.7E-07	6.3E-07	6.0E-07	5.7E-07	5.7E-07	6.0E-07	5.5E-07	6.0E-07
3.5	4.8E-07	4.8E-07	4.6E-07	4.3E-07	4.4E-07	4.4E-07	4.4E-07	4.6E-07	4.7E-07	5.1E-07	4.9E-07	4.6E-07	4.7E-07	4.8E-07	4.8E-07	5.0E-07
4.0	4.0E-07	4.0E-07	3.8E-07	3.7E-07	3.9E-07	3.7E-07	3.7E-07	3.8E-07	3.9E-07	4.2E-07	4.1E-07	3.9E-07	4.0E-07	4.0E-07	4.0E-07	4.1E-07
4.5	3.4E-07	3.4E-07	3.3E-07	3.2E-07	3.3E-07	3.1E-07	3.2E-07	3.2E-07	3.3E-07	3.5E-07	3.4E-07	3.3E-07	3.4E-07	3.5E-07	3.4E-07	3.5E-07
5.0	2.9E-07	2.9E-07	2.8E-07	2.8E-07	2.8E-07	2.7E-07	2.7E-07	2.8E-07	2.8E-07	3.0E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	3.0E-07
6.0	2.2E-07	2.2E-07	2.2E-07	2.1E-07	2.2E-07	2.1E-07	2.1E-07	2.1E-07	2.2E-07	2.3E-07	2.2E-07	2.2E-07	2.2E-07	2.3E-07	2.2E-07	2.2E-07
7.0	1.8E-07	1.8E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.9E-07	1.8E-07
8.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
9.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
10.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
15.0	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08
20.0	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08
25.0	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.4E-08	2.4E-08	2.4E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08
30.0	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.9E-08	1.9E-08	1.8E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
40.0	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08
50.0	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09
MAX CONC	7.6E-07	7.7E-07	8.0E-07	8.0E-07	5.2E-07	1.1E-06	1.1E-06	1.1E-06	1.3E-06	1.3E-06	1.1E-06	1.2E-06	1.2E-06	1.1E-06	1.0E-06	6.1E-07
DIST(MI)	2.5	2.0	2.0	2.0	3.0	1.0	1.0	1.5	1.5	1.0	1.5	1.5	1.5	1.5	1.0	2.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. OQ-10

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 1. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.9E-13	2.6E-15	0.	0.	0.	0.	5.5E-15
4.0	9.9E-15	3.6E-14	0.	0.	0.	0.	0.	0.	0.	4.8E-11	1.7E-12	2.6E-15	3.6E-14	3.6E-14	9.9E-15	2.9E-13
4.5	3.1E-12	9.1E-13	1.7E-14	5.0E-15	5.5E-14	0.	0.	9.3E-15	3.1E-14	8.5E-10	2.4E-11	3.0E-13	2.4E-11	6.3E-11	3.1E-12	3.9E-11
5.0	7.4E-11	1.0E-11	1.5E-12	1.2E-13	9.3E-13	1.4E-14	2.4E-14	2.0E-13	9.3E-13	1.9E-07	1.7E-10	3.0E-11	4.0E-10	4.0E-10	3.0E-11	2.9E-09
6.0	7.1E-09	3.8E-08	7.0E-11	9.8E-12	4.8E-11	6.5E-12	2.2E-11	1.5E-11	4.8E-11	6.2E-07	2.7E-09	1.0E-08	4.2E-08	1.3E-08	4.2E-08	2.4E-08
7.0	3.5E-07	2.1E-08	1.2E-09	1.8E-10	1.9E-09	3.[illegible]E-10	3.4E-10	2.4E-10	6.3E-10	1.3E-06	1.6E-08	3.5E-08	1.5E-07	9.3E-08	2.4E-06	3.3E-06
8.0	7.0E-07	1.1E-07	4.5E-08	2.2E-09	9.5E-09	2.2E-08	2.2E-08	1.7E-08	3.8E-09	2.0E-06	1.7E-07	2.3E-07	3.4E-07	1.9E-06	3.4E-06	4.5E-06
9.0	7.5E-06	8.5E-07	1.1E-07	1.4E-08	3.0E-08	8.9E-09	8.9E-09	7.1E-09	1.4E-08	2.8E-06	6.5E-07	4.8E-07	6.2E-07	5.5E-06	1.0E-05	1.0E-05
10.0	8.2E-06	1.3E-06	2.2E-07	3.6E-08	7.0E-08	2.5E-08	2.5E-08	2.0E-08	3.6E-08	3.5E-06	1.5E-06	2.1E-06	1.3E-06	6.3E-06	1.1E-05	1.1E-05
15.0	8.8E-06	3.1E-06	1.1E-06	6.9E-07	6.1E-07	3.4E-07	3.4E-07	3.0E-07	4.2E-07	5.5E-06	3.8E-06	5.4E-06	3.8E-06	7.6E-06	1.0E-05	1.0E-05
20.0	7.8E-06	4.4E-06	2.0E-06	2.0E-06	1.3E-06	8.8E-07	8.8E-07	8.2E-07	1.0E-06	5.7E-06	6.4E-06	5.6E-06	6.8E-06	7.0E-06	8.5E-06	8.5E-06
25.0	6.6E-06	4.4E-06	2.4E-06	2.4E-06	1.8E-06	1.3E-06	1.3E-06	1.3E-06	1.5E-06	5.2E-06	5.7E-06	8.2E-06	5.9E-06	6.1E-06	7.0E-06	7.0E-06
30.0	5.6E-06	4.1E-06	2.6E-06	2.6E-06	2.0E-06	1.6E-06	1.6E-06	1.6E-06	1.8E-06	4.7E-06	5.0E-06	6.6E-06	5.7E-06	5.3E-06	5.9E-06	5.9E-06
40.0	4.9E-06	4.2E-06	2.8E-06	2.8E-06	2.1E-06	1.8E-06	1.8E-06	1.8E-06	1.9E-06	3.6E-06	4.9E-06	4.6E-06	4.7E-06	4.0E-06	4.3E-06	5.0E-06
50.0	3.6E-06	3.2E-06	2.2E-06	2.2E-06	1.9E-06	1.7E-06	1.7E-06	1.7E-06	1.8E-06	2.9E-06	3.6E-06	3.4E-06	3.7E-06	3.1E-06	3.2E-06	3.7E-06
MAX CONC	8.8E-06	4.4E-06	2.6E-06	2.6E-06	2.1E-06	1.8E-06	1.8E-06	1.8E-06	1.9E-06	5.7E-06	6.4E-06	8.2E-06	6.8E-06	7.6E-06	1.1E-05	1.1E-05
DIST(MI)	15.0	20.0	30.0	30.0	40.0	40.0	40.0	40.0	40.0	20.0	20.0	25.0	20.0	15.0	10.0	10.0

TABLE NO. QQ-11

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 2. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.0	0.	0.	0.	0.	0.	1.3E-15	1.3E-15	3.4E-14	1.8E-12	1.8E-10	3.4E-14	6.9E-13	1.8E-12	6.9E-13	0.	0.
2.5	1.3E-09	4.4E-12	4.4E-12	3.9E-13	0.	8.9E-13	8.9E-13	9.4E-12	1.7E-10	1.4E-08	2.4E-09	8.6E-11	1.7E-10	2.4E-09	3.9E-13	2.9E-14
3.0	1.2E-08	8.9E-10	8.9E-10	2.4E-11	1.2E-11	4.5E-11	8.4E-11	8.9E-10	2.6E-09	6.5E-07	3.2E-08	1.5E-09	2.6E-09	2.0E-08	2.8E-10	3.2E-08
3.5	7.9E-08	7.9E-08	6.5E-09	3.5E-10	8.7E-10	5.9E-10	9.7E-10	6.5E-09	1.6E-08	2.3E-06	3.7E-07	1.0E-08	1.6E-08	7.9E-08	7.9E-08	5.2E-07
4.0	2.0E-07	3.7E-07	2.5E-08	5.3E-09	5.2E-08	3.5E-09	5.3E-08	2.5E-08	5.2E-08	7.2E-06	2.0E-06	1.0E-07	3.7E-07	3.7E-07	2.0E-07	9.8E-07
4.5	1.2E-06	6.5E-07	9.2E-08	4.9E-08	1.7E-07	1.3E-08	1.8E-08	6.7E-08	1.2E-07	1.1E-05	2.8E-06	3.9E-07	2.8E-06	4.1E-06	1.2E-06	3.4E-06
5.0	2.4E-06	9.9E-07	3.9E-07	1.1E-07	3.1E-07	3.3E-08	4.5E-08	1.4E-07	3.1E-07	2.8E-05	3.4E-06	1.6E-06	4.8E-06	4.8E-06	1.6E-06	9.8E-06
6.0	6.4E-06	5.0E-06	8.3E-07	3.0E-07	6.8E-07	2.4E-07	4.6E-07	3.7E-07	6.8E-07	2.3E-05	4.4E-06	2.9E-06	1.2E-05	8.1E-06	1.2E-05	9.9E-06
7.0	1.4E-05	5.5E-06	1.5E-06	5.7E-07	1.9E-06	8.1E-07	8.1E-07	6.8E-07	1.1E-06	1.8E-05	5.0E-06	6.7E-06	1.1E-05	9.5E-06	1.9E-05	1.9E-05
8.0	1.2E-05	6.7E-06	4.8E-06	1.2E-06	2.4E-06	1.2E-06	1.2E-06	1.0E-06	1.8E-06	1.5E-05	8.0E-06	9.0E-06	1.0E-05	1.5E-05	1.6E-05	1.6E-05
9.0	1.4E-05	1.0E-05	4.9E-06	1.8E-06	2.7E-06	1.5E-06	1.5E-06	1.3E-06	1.8E-06	1.3E-05	1.0E-05	8.5E-06	9.2E-06	1.4E-05	1.4E-05	1.4E-05
10.0	1.2E-05	9.1E-06	4.9E-06	2.1E-06	2.9E-06	1.7E-06	1.7E-06	1.6E-06	2.1E-06	1.1E-05	9.6E-06	1.0E-05	9.4E-06	1.2E-05	1.2E-05	1.2E-05
15.0	6.7E-06	5.8E-06	4.1E-06	3.2E-06	3.1E-06	2.3E-06	2.3E-06	2.2E-06	2.5E-06	6.6E-06	6.1E-06	6.6E-06	6.1E-06	6.7E-06	6.7E-06	6.7E-06
20.0	4.5E-06	4.2E-06	3.2E-06	3.2E-06	2.6E-06	2.2E-06	2.2E-06	2.1E-06	2.3E-06	4.4E-06	4.5E-06	4.4E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06
25.0	3.3E-06	3.1E-06	2.6E-06	2.6E-06	2.2E-06	1.9E-06	1.9E-06	1.9E-06	2.0E-06	3.2E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06
30.0	2.5E-06	2.4E-06	2.1E-06	2.1E-06	1.9E-06	1.7E-06	1.7E-06	1.6E-06	1.8E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06
40.0	1.7E-06	1.7E-06	1.5E-06	1.5E-06	1.4E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
50.0	1.2E-06	1.3E-06	1.1E-06	1.1E-06	1.1E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
MAX CONC	1.4E-05	1.0E-05	4.9E-06	3.2E-06	3.1E-06	2.3E-06	2.3E-06	2.2E-06	2.5E-06	2.8E-05	1.0E-05	1.0E-05	1.2E-05	1.5E-05	1.9E-05	1.9E-05
DIST(MI)	7.0	9.0	9.0	15.0	15.0	15.0	15.0	15.0	15.0	5.0	9.0	10.0	6.0	8.0	7.0	7.0

TABLE NO. DG-12

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 5. MPH

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DISTANCE MILES	DOWN WIND SECTOR BEARING															
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	1.7E-13	0.	0.	3.6E-18	1.3E-14	0.	0.	0.
2.0	0.	8.1E-18	6.8E-14	6.0E-14	0.	1.8E-13	1.8E-13	3.1E-12	1.0E-10	4.4E-09	3.1E-12	4.4E-11	1.0E-10	4.4E-11	6.8E-14	0.
2.5	1.5E-08	1.1E-10	1.1E-10	1.3E-11	0.	2.8E-11	2.8E-11	2.2E-10	2.8E-09	1.2E-07	2.6E-08	1.5E-09	2.8E-09	2.6E-08	1.3E-11	1.3E-12
3.0	7.6E-08	7.9E-09	7.9E-09	3.3E-10	1.8E-10	5.7E-10	1.0E-09	7.9E-09	2.0E-08	2.1E-06	1.7E-07	1.3E-08	2.0E-08	1.1E-07	2.9E-09	1.7E-07
3.5	2.9E-07	2.9E-07	3.4E-08	2.6E-09	6.4E-09	4.1E-09	6.4E-09	3.4E-08	7.2E-08	4.6E-06	1.1E-06	5.0E-08	7.2E-08	2.9E-07	2.9E-07	1.4E-06
4.0	5.4E-07	9.1E-07	9.1E-08	2.3E-08	1.7E-07	1.6E-08	2.3E-08	9.1E-08	1.7E-07	9.8E-06	3.7E-06	3.1E-07	9.1E-07	9.1E-07	5.4E-07	2.0E-06
4.5	2.1E-06	1.3E-06	2.4E-07	1.4E-07	4.1E-07	4.2E-08	5.8E-08	1.8E-07	3.1E-07	1.2E-05	4.2E-06	8.3E-07	4.2E-06	5.7E-06	2.1E-06	4.9E-06
5.0	3.4E-06	1.7E-06	7.5E-07	2.4E-07	6.1E-07	8.7E-08	1.0E-07	3.1E-07	6.1E-07	1.9E-05	4.6E-06	2.5E-06	6.0E-06	6.0E-06	2.5E-06	1.0E-05
6.0	6.6E-06	5.5E-06	1.2E-06	5.1E-07	1.0E-06	4.2E-07	7.3E-07	6.1E-07	1.0E-06	1.4E-05	4.9E-06	3.5E-06	1.0E-05	7.9E-06	1.0E-05	9.2E-06
7.0	1.1E-05	5.3E-06	1.8E-06	7.9E-07	2.2E-06	1.1E-06	1.1E-06	9.2E-07	1.4E-06	1.2E-05	4.9E-06	6.2E-06	9.0E-06	8.1E-06	1.2E-05	1.2E-05
8.0	9.0E-06	5.8E-06	4.4E-06	1.3E-06	2.5E-06	1.3E-06	1.3E-06	1.2E-06	1.7E-06	9.7E-06	6.6E-06	7.2E-06	7.8E-06	9.7E-06	9.7E-06	9.7E-06
9.0	8.2E-06	7.3E-06	4.2E-06	1.9E-06	2.6E-06	1.5E-06	1.5E-06	1.4E-06	1.9E-06	8.2E-06	7.3E-06	6.5E-06	6.9E-06	8.2E-06	8.2E-06	8.2E-06
10.0	7.1E-06	6.4E-06	4.0E-06	2.0E-06	2.6E-06	1.7E-06	1.7E-06	1.5E-06	2.0E-06	7.1E-06	6.6E-06	6.9E-06	6.4E-06	7.1E-06	7.1E-06	7.1E-06
15.0	4.0E-06	3.8E-06	2.9E-06	2.4E-06	2.3E-06	1.8E-06	1.8E-06	1.7E-06	2.0E-06	4.0E-06	3.9E-06	4.0E-06	3.9E-06	4.0E-06	4.0E-06	4.0E-06
20.0	2.7E-06	2.6E-06	2.2E-06	2.2E-06	1.8E-06	1.6E-06	1.6E-06	1.5E-06	1.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06
25.0	2.0E-06	1.9E-06	1.7E-06	1.7E-06	1.5E-06	1.3E-06	1.3E-06	1.3E-06	1.4E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
30.0	1.5E-06	1.5E-06	1.3E-06	1.3E-06	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.2E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06
40.0	1.0E-06	1.0E-06	9.3E-07	8.3E-07	8.8E-07	8.2E-07	8.2E-07	8.1E-07	8.4E-07	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
50.0	7.3E-07	7.3E-07	6.9E-07	6.9E-07	6.6E-07	6.3E-07	6.3E-07	6.3E-07	6.5E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07
MAX CONC	1.1E-05	7.3E-06	4.4E-06	2.4E-06	2.6E-06	1.8E-06	1.8E-06	1.7E-06	2.0E-06	1.9E-05	7.3E-06	7.2E-06	1.0E-05	9.7E-06	1.2E-05	1.2E-05
DIST(MI)	7.0	9.0	8.0	15.0	10.0	15.0	15.0	15.0	10.0	5.0	9.0	8.0	6.0	8.0	7.0	7.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. OQ-13

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 7. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-79	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	7.9E-15	1.1E-12	7.9E-15	0.	2.9E-14	1.0E-13	7.9E-15	0.	0.
2.0	1.7E-15	4.0E-14	2.9E-13	2.9E-13	0.	7.6E-13	7.6E-13	1.2E-11	3.1E-10	1.1E-08	1.2E-11	1.4E-10	3.1E-10	1.4E-10	2.9E-13	0.
2.5	2.9E-08	2.8E-10	2.8E-10	3.6E-11	0.	7.3E-11	7.3E-11	5.3E-10	5.8E-09	1.9E-07	4.8E-08	3.3E-09	5.8E-09	4.8E-08	3.6E-11	4.0E-12
3.0	1.1E-07	1.4E-08	1.4E-08	6.5E-10	3.8E-10	1.1E-09	1.9E-09	1.4E-08	3.3E-08	2.4E-06	2.4E-07	2.1E-08	3.3E-08	1.7E-07	5.2E-09	2.4E-07
3.5	3.7E-07	3.7E-07	4.9E-08	4.3E-09	1.0E-08	6.6E-09	1.0E-08	4.9E-08	1.0E-07	4.7E-06	1.2E-06	7.0E-08	1.0E-07	3.7E-07	3.7E-07	1.6E-06
4.0	6.2E-07	1.0E-06	1.2E-07	3.2E-08	2.1E-07	2.2E-08	3.2E-08	1.2E-07	2.1E-07	8.9E-06	3.7E-06	3.7E-07	1.0E-06	1.0E-06	6.2E-07	2.1E-06
4.5	2.1E-06	1.3E-06	2.8E-07	1.7E-07	4.5E-07	5.3E-08	7.1E-08	2.2E-07	3.6E-07	1.0E-05	4.0E-06	8.9E-07	4.0E-06	5.3E-06	2.1E-06	4.6E-06
5.0	3.2E-06	1.6E-06	7.8E-07	2.7E-07	6.4E-07	1.0E-07	1.3E-07	3.4E-07	6.4E-07	1.3E-05	4.2E-06	2.4E-06	5.3E-06	5.3E-06	2.4E-06	8.6E-06
6.0	5.6E-06	4.7E-06	1.2E-06	5.1E-07	1.0E-06	4.2E-07	7.2E-07	8.1E-07	1.0E-06	1.0E-05	4.2E-06	3.1E-06	8.3E-06	6.5E-06	8.3E-06	7.4E-06
7.0	8.0E-06	4.4E-06	1.6E-06	7.4E-07	2.0E-06	9.8E-07	9.8E-07	8.6E-07	1.3E-06	8.3E-06	4.1E-06	5.1E-06	7.0E-06	6.4E-06	8.3E-06	8.3E-06
8.0	6.7E-06	4.6E-06	3.6E-06	1.2E-06	2.1E-06	1.2E-06	1.2E-06	1.1E-06	1.5E-06	6.9E-06	5.2E-06	5.6E-06	6.0E-06	6.9E-06	6.9E-06	6.9E-06
9.0	5.9E-06	5.5E-06	3.4E-06	1.6E-06	2.1E-06	1.3E-06	1.3E-06	1.2E-06	1.6E-06	5.9E-06	5.5E-06	4.9E-06	5.2E-06	5.9E-06	5.9E-06	5.9E-06
10.0	5.1E-06	4.8E-06	3.1E-06	1.6E-06	2.1E-06	1.4E-06	1.4E-06	1.3E-06	1.6E-06	5.1E-06	4.9E-06	5.1E-06	4.8E-06	5.1E-06	5.1E-06	5.1E-06
15.0	2.9E-06	2.8E-06	2.2E-06	1.9E-06	1.8E-06	1.4E-06	1.4E-06	1.3E-06	1.5E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06
20.0	1.9E-06	1.9E-06	1.5E-06	1.6E-06	1.4E-06	1.2E-06	1.2E-06	1.1E-06	1.3E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06
25.0	1.4E-06	1.4E-06	1.2E-06	1.2E-06	1.1E-06	9.8E-07	9.8E-07	8.6E-07	1.0E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
30.0	1.1E-06	1.1E-06	9.8E-07	9.8E-07	9.0E-07	8.2E-07	8.2E-07	8.1E-07	8.5E-07	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
40.0	7.2E-07	7.2E-07	6.7E-07	6.7E-07	6.4E-07	6.0E-07	6.0E-07	5.9E-07	6.1E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07
50.0	5.2E-07	5.2E-07	5.0E-07	5.0E-07	4.8E-07	4.6E-07	4.6E-07	4.6E-07	4.7E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07
MAX CONC	8.0E-06	5.5E-06	3.6E-06	1.9E-06	2.1E-06	1.4E-06	1.4E-06	1.3E-06	1.6E-06	1.3E-05	5.5E-06	5.6E-06	8.3E-06	6.9E-06	8.3E-06	8.6E-06
DIST(MI)	7.0	9.0	8.0	15.0	9.0	10.0	10.0	15.0	10.0	5.0	9.0	8.0	6.0	8.0	7.0	5.0

TABLE NO. OG-14

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 10. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	2.6E-14	3.1E-12	2.6E-14	1.9E-15	9.1E-14	3.0E-13	2.6E-14	0.	0.
2.0	4.3E-15	9.3E-14	6.4E-13	6.4E-13	0.	1.6E-12	1.6E-12	2.3E-11	5.4E-10	1.6E-08	2.3E-11	2.5E-10	5.4E-10	2.5E-10	6.4E-13	0.
2.5	3.7E-08	4.2E-10	4.2E-10	5.9E-11	0.	1.2E-10	1.2E-10	7.9E-10	8.0E-08	2.3E-07	6.0E-08	4.6E-09	8.0E-09	6.0E-08	5.9E-11	6.8E-12
3.0	1.3E-07	1.6E-08	1.6E-08	8.8E-10	5.1E-10	1.5E-09	2.5E-09	1.6E-08	3.9E-08	2.3E-06	2.6E-07	2.5E-08	3.9E-08	1.8E-07	6.5E-09	2.6E-07
3.5	3.7E-07	3.7E-07	5.3E-08	5.1E-09	1.2E-08	7.7E-09	1.2E-08	5.3E-08	1.1E-07	4.1E-06	1.2E-06	7.5E-08	1.1E-07	3.7E-07	3.7E-07	1.5E-06
4.0	5.9E-07	9.3E-07	1.2E-07	3.3E-08	2.1E-07	2.4E-08	3.3E-08	1.2E-07	2.1E-07	7.1E-06	3.2E-06	3.6E-07	9.3E-07	9.3E-07	5.9E-07	1.9E-06
4.5	1.8E-06	1.2E-06	2.6E-07	1.6E-07	4.2E-07	5.3E-08	7.1E-08	2.1E-07	3.3E-07	7.8E-06	3.3E-06	8.0E-07	3.3E-06	4.3E-06	1.8E-06	3.8E-06
5.0	2.6E-06	1.4E-06	6.9E-07	2.5E-07	5.7E-07	9.6E-08	1.2E-07	3.1E-07	5.7E-07	9.3E-06	3.4E-06	2.0E-06	4.3E-06	4.3E-06	2.0E-06	6.6E-06
6.0	4.3E-06	3.6E-06	9.7E-07	4.4E-07	8.4E-07	3.7E-07	6.1E-07	5.2E-07	8.4E-07	7.2E-06	3.3E-06	2.5E-06	6.1E-06	4.9E-06	6.1E-06	5.6E-06
7.0	5.7E-06	3.4E-06	1.3E-06	6.2E-07	1.6E-06	8.1E-07	8.1E-07	7.1E-07	1.0E-06	5.8E-06	3.1E-06	3.8E-06	5.1E-06	4.7E-06	5.8E-06	5.8E-06
8.0	4.8E-06	3.4E-06	2.7E-06	9.4E-07	1.6E-06	9.4E-07	9.4E-07	8.4E-07	1.2E-06	4.9E-06	3.8E-06	4.1E-06	4.4E-06	4.9E-06	4.9E-06	4.9E-06
9.0	4.1E-06	3.9E-06	2.5E-06	1.2E-06	1.6E-06	1.0E-06	1.0E-06	9.4E-07	1.2E-06	4.1E-06	3.9E-06	3.6E-06	3.8E-06	4.1E-06	4.1E-06	4.1E-06
10.0	3.6E-06	3.4E-06	2.3E-06	1.3E-06	1.6E-06	1.1E-06	1.1E-06	9.9E-07	1.3E-06	3.6E-06	3.5E-06	3.6E-06	3.4E-06	3.6E-06	3.6E-06	3.6E-06
15.0	2.0E-06	2.0E-06	1.6E-06	1.4E-06	1.3E-06	1.0E-06	1.0E-06	9.8E-07	1.1E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
20.0	1.3E-06	1.3E-06	1.1E-06	1.1E-06	1.0E-06	8.6E-07	8.6E-07	8.3E-07	9.1E-07	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
25.0	9.8E-07	9.8E-07	8.7E-07	8.7E-07	7.9E-07	7.1E-07	7.1E-07	6.9E-07	7.4E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07
30.0	7.6E-07	7.6E-07	6.9E-07	6.9E-07	6.4E-07	5.9E-07	5.9E-07	5.8E-07	6.1E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07
40.0	5.0E-07	5.0E-07	4.8E-07	4.8E-07	4.5E-07	4.3E-07	4.3E-07	4.2E-07	4.4E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07
50.0	3.7E-07	3.7E-07	3.5E-07	3.5E-07	3.4E-07	3.3E-07	3.3E-07	3.2E-07	3.3E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07
MAX CONC	5.7E-06	3.9E-06	2.7E-06	1.4E-06	1.6E-06	1.1E-06	1.1E-06	9.9E-07	1.3E-06	9.3E-06	3.9E-06	4.1E-06	6.1E-06	4.9E-06	6.1E-06	6.6E-06
DIST(MI)	7.0	9.0	8.0	15.0	9.0	10.0	10.0	10.0	10.0	5.0	9.0	8.0	6.0	6.0	6.0	5.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ-15

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 13. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	4.1E-14	4.4E-12	4.1E-14	3.2E-18	1.4E-13	4.6E-13	4.1E-14	0.	0.
2.0	6.0E-15	1.3E-13	8.5E-13	8.5E-13	0.	2.1E-12	2.1E-12	2.8E-11	6.4E-10	1.8E-06	2.8E-11	3.0E-10	6.4E-10	3.0E-10	8.5E-13	0.
2.5	3.8E-08	4.7E-10	4.7E-10	6.7E-11	0.	1.3E-10	1.3E-10	8.6E-10	8.3E-09	2.2E-07	6.0E-08	4.9E-09	8.3E-09	6.0E-08	6.7E-11	8.1E-12
3.0	1.2E-07	1.6E-08	1.6E-08	9.1E-10	5.4E-10	1.5E-09	2.5E-09	1.6E-08	3.8E-08	2.0E-08	2.5E-07	2.5E-08	3.8E-08	1.7E-07	6.6E-09	2.5E-07
3.5	3.4E-07	3.4E-07	8.0E-08	4.9E-09	1.1E-08	7.5E-09	1.1E-08	5.0E-08	9.9E-08	3.5E-06	1.0E-08	7.1E-08	9.9E-08	3.4E-07	3.4E-07	1.3E-06
4.0	5.2E-07	8.2E-07	1.1E-07	3.1E-08	1.9E-07	2.2E-08	3.1E-08	1.1E-07	1.9E-07	5.8E-06	2.7E-06	3.2E-07	8.2E-07	8.2E-07	5.2E-07	1.6E-06
4.5	1.5E-06	1.0E-06	2.3E-07	1.4E-07	3.7E-07	4.8E-08	6.4E-08	1.8E-07	2.9E-07	6.3E-06	2.8E-06	6.9E-07	2.8E-06	3.6E-06	1.5E-06	3.2E-06
5.0	2.2E-06	1.2E-06	5.9E-07	2.2E-07	4.9E-07	8.5E-08	1.1E-07	2.7E-07	4.9E-07	7.1E-06	2.8E-06	1.7E-06	3.5E-06	3.5E-06	1.7E-06	5.3E-06
6.0	3.4E-06	2.9E-06	8.1E-07	3.7E-07	7.0E-07	3.1E-07	5.2E-07	4.4E-07	7.0E-07	5.6E-06	2.7E-06	2.0E-06	4.8E-06	3.9E-06	4.8E-06	4.4E-06
7.0	4.5E-06	2.7E-06	1.1E-06	5.1E-07	1.3E-06	6.7E-07	6.7E-07	5.9E-07	8.3E-07	4.5E-06	2.5E-06	3.1E-06	4.0E-06	3.7E-06	4.5E-06	4.5E-06
8.0	3.7E-06	2.7E-06	2.2E-06	7.7E-07	1.3E-06	7.7E-07	7.7E-07	6.9E-07	9.4E-07	3.7E-06	3.0E-06	3.2E-06	3.4E-06	3.7E-06	3.7E-06	3.7E-06
9.0	3.2E-06	3.1E-06	2.0E-06	9.9E-07	1.3E-06	8.3E-07	8.3E-07	7.6E-07	9.9E-07	3.2E-06	3.1E-06	2.8E-06	2.9E-06	3.2E-06	3.2E-06	3.2E-06
10.0	2.7E-06	2.7E-06	1.8E-06	1.0E-06	1.3E-06	8.7E-07	8.7E-07	8.0E-07	1.0E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06
15.0	1.5E-06	1.5E-06	1.2E-06	1.1E-06	1.0E-06	8.1E-07	8.1E-07	7.8E-07	8.8E-07	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06
20.0	1.0E-06	1.0E-06	8.9E-07	8.9E-07	7.8E-07	6.7E-07	6.7E-07	6.5E-07	7.1E-07	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
25.0	7.5E-07	7.5E-07	6.8E-07	6.8E-07	6.1E-07	5.8E-07	5.5E-07	5.4E-07	5.7E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07
30.0	5.8E-07	5.8E-07	5.4E-07	5.4E-07	5.0E-07	4.6E-07	4.6E-07	4.5E-07	4.7E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07
40.0	3.9E-07	3.9E-07	3.7E-07	3.7E-07	3.5E-07	3.3E-07	3.3E-07	3.3E-07	3.4E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07
50.0	2.8E-07	2.8E-07	2.7E-07	2.7E-07	2.6E-07	2.5E-07	2.5E-07	2.5E-07	2.6E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07
MAX CONC	4.5E-06	3.1E-06	2.2E-06	1.1E-06	1.3E-06	8.7E-07	8.7E-07	8.0E-07	1.0E-06	7.1E-06	3.1E-06	3.2E-06	4.8E-06	3.9E-06	4.8E-06	5.3E-06
DIST(MI)	7.0	9.0	8.0	15.0	8.0	10.0	10.0	10.0	10.0	5.0	9.0	8.0	6.0	6.0	6.0	5.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. OQ-16

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 16. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	1.0E-15	1.0E-15	5.0E-14	5.1E-12	5.0E-14	3.8E-15	1.7E-13	5.5E-13	5.0E-14	0.	0.
2.0	6.9E-15	1.4E-13	9.3E-13	9.3E-13	0.	2.3E-12	2.3E-12	3.0E-11	6.5E-10	1.8E-08	3.0E-11	3.1E-10	6.5E-10	3.1E-10	9.3E-13	0.
2.5	3.6E-08	4.6E-10	4.6E-10	6.8E-11	0.	1.3E-10	1.3E-10	8.5E-10	8.0E-09	2.0E-07	5.7E-08	4.7E-09	8.0E-09	5.7E-08	6.8E-11	8.3E-12
3.0	1.1E-07	1.5E-08	1.5E-08	8.8E-10	5.2E-10	1.5E-09	2.4E-09	1.5E-08	3.5E-08	1.8E-06	2.2E-07	2.3E-08	3.5E-08	1.6E-07	6.2E-09	2.2E-07
3.5	3.0E-07	3.0E-07	4.6E-08	4.6E-09	1.0E-08	6.9E-09	1.0E-08	4.6E-08	8.9E-08	3.0E-06	8.1E-07	5.4E-08	8.9E-08	3.0E-07	3.0E-07	1.1E-06
4.0	4.5E-07	7.1E-07	9.5E-08	2.8E-08	1.7E-07	2.0E-08	2.8E-08	9.5E-08	1.7E-07	4.9E-06	2.3E-06	2.8E-07	7.1E-07	7.1E-07	4.5E-07	1.4E-06
4.5	1.3E-06	8.8E-07	2.0E-07	1.3E-07	3.2E-07	4.3E-08	5.7E-08	1.6E-07	2.6E-07	5.2E-06	2.4E-06	5.0E-07	2.4E-06	3.0E-06	1.3E-06	2.7E-06
5.0	1.9E-06	1.0E-06	5.1E-07	1.9E-07	4.2E-07	7.5E-08	9.5E-08	2.3E-07	4.2E-07	5.8E-06	2.4E-06	1.4E-06	2.9E-06	2.9E-06	1.4E-06	4.4E-06
6.0	2.9E-06	2.5E-06	6.8E-07	3.2E-07	6.0E-07	2.7E-07	4.4E-07	3.8E-07	6.0E-07	4.5E-06	2.3E-06	1.7E-06	4.0E-06	3.3E-06	4.0E-06	3.6E-06
7.0	3.6E-06	2.2E-06	9.0E-07	4.4E-07	1.1E-06	5.7E-07	5.7E-07	5.0E-07	7.2E-07	3.7E-06	2.1E-06	2.5E-06	3.3E-06	3.1E-06	3.7E-06	3.7E-06
8.0	3.0E-06	2.2E-06	1.8E-06	6.5E-07	1.1E-06	6.5E-07	6.5E-07	5.8E-07	7.9E-07	3.0E-06	2.5E-06	2.6E-06	2.8E-06	3.0E-06	3.0E-06	3.0E-06
9.0	2.6E-06	2.5E-06	1.7E-06	8.3E-07	1.1E-06	7.0E-07	7.0E-07	6.4E-07	8.3E-07	2.6E-06	2.5E-06	2.3E-06	2.4E-06	2.6E-06	2.6E-06	2.6E-06
10.0	2.2E-06	2.2E-06	1.5E-06	8.4E-07	1.1E-06	7.2E-07	7.2E-07	6.7E-07	8.4E-07	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06
15.0	1.3E-06	1.2E-06	1.0E-06	8.7E-07	8.3E-07	6.7E-07	6.7E-07	6.4E-07	7.3E-07	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
20.0	8.4E-07	8.4E-07	7.3E-07	7.3E-07	6.4E-07	5.5E-07	5.5E-07	5.3E-07	5.8E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07
25.0	6.1E-07	6.1E-07	5.5E-07	5.5E-07	5.0E-07	4.5E-07	4.5E-07	4.4E-07	4.7E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07
30.0	4.7E-07	4.7E-07	4.4E-07	4.4E-07	4.1E-07	3.7E-07	3.7E-07	3.7E-07	3.9E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07
40.0	3.1E-07	3.1E-07	3.0E-07	3.0E-07	2.8E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07
50.0	2.3E-07	2.3E-07	2.2E-07	2.2E-07	2.1E-07	2.0E-07	2.0E-07	2.0E-07	2.1E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07
MAX CONC	3.6E-06	2.5E-06	1.8E-06	8.7E-07	1.1E-06	7.2E-07	7.2E-07	6.7E-07	8.4E-07	5.8E-06	2.5E-06	2.6E-06	4.0E-06	3.3E-06	4.0E-06	4.4E-06
DIST(MI)	7.0	9.0	8.0	15.0	8.0	10.0	10.0	10.0	10.0	5.0	9.0	8.0	6.0	6.0	6.0	5.0

TABLE NO. DQ-17

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	4.2E-07	*3.9E-07	*3.9E-07	3.9E-07	3.9E-07	7.3E-06	6.1E-06	2.4E-06	2.9E-06	4.4E-06	4.4E-06	5.3E-06	5.3E-06	7.3E-06	5.9E-06	3.9E-07
.4	6.2E-07	5.7E-07	5.7E-07	*5.7E-07	5.7E-07	8.3E-06	8.3E-06	3.0E-06	4.4E-06	5.3E-06	5.3E-06	6.3E-06	6.3E-06	8.3E-06	6.9E-06	5.7E-07
.4	*8.4E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	9.3E-06	9.3E-06	3.5E-06	5.2E-06	6.1E-06	6.1E-06	7.2E-06	7.2E-06	9.3E-06	7.8E-06	*7.9E-07
.5	1.7E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.2E-05	1.2E-05	1.0E-05	8.4E-06	*8.9E-06	6.0E-06	9.5E-06	9.5E-06	1.2E-05	1.0E-05	1.6E-06
.5	2.1E-06	2.0E-06	2.0E-06	2.0E-06	*2.0E-06	1.2E-05	1.2E-05	1.2E-05	9.0E-06	1.0E-05	8.5E-06	1.0E-05	1.0E-05	1.2E-05	1.1E-05	2.0E-06
.5	2.4E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	1.3E-05	1.3E-05	1.3E-05	9.5E-06	1.1E-05	*8.5E-06	1.1E-05	1.1E-05	1.3E-05	1.1E-05	2.3E-06
.5	3.1E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	1.4E-05	1.5E-05	1.5E-05	1.1E-05	1.3E-05	1.3E-05	*1.2E-05	1.2E-05	*1.4E-05	1.2E-05	3.0E-06
.6	4.1E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	1.5E-05	1.6E-05	1.6E-05	*1.2E-05	1.5E-05	1.5E-05	1.2E-05	*1.4E-05	1.4E-05	*1.3E-05	4.0E-06
.6	5.0E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	1.5E-05	1.6E-05	*1.6E-05	1.4E-05	1.5E-05	1.5E-05	1.3E-05	1.5E-05	1.4E-05	1.3E-05	5.6E-06
.7	5.3E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	1.5E-05	*1.6E-05	1.7E-05	1.4E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.4E-05	1.3E-05	5.8E-06
.7	5.5E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	*1.5E-05	1.5E-05	1.6E-05	1.7E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.4E-05	1.3E-05	6.1E-06
1.0	6.9E-06	6.8E-06	6.8E-06	6.8E-06	6.8E-06	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.3E-05	1.2E-05	1.2E-05	1.2E-05	1.1E-05	1.2E-05	7.2E-06
1.5	5.5E-06	5.6E-06	5.5E-06	5.5E-06	5.5E-06	7.3E-06	7.3E-06	7.5E-06	7.7E-06	7.5E-06	7.4E-06	7.5E-06	7.6E-06	7.5E-06	7.3E-06	5.7E-06
2.0	4.7E-06	4.8E-06	4.8E-06	4.8E-06	4.0E-06	4.8E-06	4.8E-06	4.9E-06	5.0E-06	5.0E-06	4.9E-06	4.9E-06	5.0E-06	4.9E-06	4.8E-06	4.1E-06
2.5	3.5E-06	3.4E-06	3.4E-06	3.4E-06	3.2E-06	3.4E-06	3.4E-06	3.4E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.4E-06	3.4E-06
3.0	2.6E-06	2.6E-06	2.6E-06	2.5E-06	2.5E-06	2.5E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06
3.5	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
4.0	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06
4.5	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
5.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
6.0	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.2E-07	8.1E-07	8.1E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07
7.0	6.3E-07	6.3E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07
8.0	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07
9.0	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
10.0	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07
15.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
20.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
25.0	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08
30.0	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08
40.0	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08
50.0	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08
MAX CONC	6.9E-06	6.8E-06	6.8E-06	6.8E-06	6.8E-06	1.5E-05	1.6E-05	1.7E-05	1.7E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.4E-05	1.3E-05	7.2E-06
DIST(MI)	1.0	1.0	1.0	1.0	1.0	.6	.6	.7	.7	.7	.6	.7	.7	.6	.7	1.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. OQ-18

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	8.2E-07	*7.7E-07	*7.7E-07	7.7E-07	7.7E-07	7.8E-06	7.3E-06	3.3E-06	3.8E-06	5.4E-06	5.4E-06	6.2E-06	6.2E-06	7.8E-06	6.7E-06	7.7E-07
.4	1.0E-06	9.7E-07	9.7E-07	*9.7E-07	9.7E-07	8.1E-06	8.1E-06	3.7E-06	5.0E-06	5.8E-06	5.8E-06	6.6E-06	6.6E-06	8.1E-06	7.0E-06	9.7E-07
.4	*1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	8.3E-06	8.3E-06	4.1E-06	5.3E-06	6.1E-06	6.1E-06	6.9E-06	6.9E-06	8.3E-06	7.3E-06	*1.2E-06
.5	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	8.6E-06	8.6E-06	7.7E-06	6.6E-06	*7.0E-06	5.1E-06	7.3E-06	7.3E-06	8.6E-06	7.7E-06	1.8E-06
.5	2.1E-06	2.0E-06	2.0E-06	2.0E-06	*2.0E-06	8.5E-06	8.5E-06	8.2E-06	6.7E-06	7.4E-06	5.3E-06	7.4E-06	7.4E-06	8.5E-06	7.7E-06	2.0E-06
.5	2.3E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	8.5E-06	8.5E-06	8.5E-06	6.8E-06	7.4E-06	*6.2E-06	7.4E-06	7.4E-06	8.5E-06	7.7E-06	2.2E-06
.5	2.6E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	8.6E-06	8.8E-06	8.8E-06	7.1E-06	8.0E-06	8.0E-06	*7.3E-06	7.3E-06	*8.3E-06	7.6E-06	2.5E-06
.6	3.0E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	8.1E-06	8.5E-06	8.5E-06	*7.1E-06	8.1E-06	8.1E-06	7.1E-06	*7.6E-06	7.8E-06	*7.3E-06	2.9E-06
.6	3.2E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	7.5E-06	7.9E-06	*7.9E-06	7.2E-06	7.5E-06	7.7E-06	6.7E-06	7.5E-06	7.3E-06	6.9E-06	3.5E-06
.7	3.3E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	7.3E-06	*7.7E-06	8.0E-06	7.0E-06	7.3E-06	7.5E-06	7.0E-06	7.3E-06	7.2E-06	6.8E-06	3.5E-06
.7	3.3E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	*7.2E-06	7.5E-06	7.8E-06	7.9E-06	7.5E-06	7.3E-06	6.8E-06	7.3E-06	7.0E-06	6.6E-06	3.6E-06
1.0	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	5.0E-06	4.8E-06	4.8E-06	4.8E-06	4.7E-06	4.8E-06	3.3E-06
1.5	2.1E-06	2.5E-06	2.1E-06	2.1E-06	2.1E-06	2.7E-06	2.7E-06	2.7E-06	2.8E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.2E-06
2.0	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.8E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.8E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.5E-06
2.5	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
3.0	8.8E-07	8.8E-07	8.8E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.8E-07	8.8E-07	8.9E-07	8.9E-07	8.8E-07	8.8E-07	8.9E-07	8.8E-07	8.9E-07
3.5	6.8E-07	6.8E-07	6.8E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.8E-07	6.8E-07	6.9E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07
4.0	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.5E-07	5.5E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.5E-07
4.5	4.5E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.5E-07	4.5E-07	4.4E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07
5.0	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07
6.0	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
7.0	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07
8.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
9.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
10.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
15.0	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08
20.0	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.8E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08
25.0	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08
30.0	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08
40.0	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
50.0	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09
MAX CONC	3.3E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	8.6E-06	8.8E-06	8.8E-06	7.9E-06	8.1E-06	8.1E-06	7.4E-06	7.6E-06	8.6E-06	7.7E-06	3.6E-06
DIST(MI)	.7	.7	.7	.7	.7	.5	.5	.5	.7	.6	.6	.5	.6	.5	.5	.7

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. OQ-19

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 5. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	6.2E-07	*5.7E-07	*5.7E-07	5.7E-07	5.7E-07	5.4E-06	5.1E-06	2.4E-06	2.8E-06	3.8E-06	3.8E-06	4.3E-06	4.3E-06	5.4E-06	4.6E-06	5.7E-07
.4	7.6E-07	7.1E-07	7.1E-07	*7.1E-07	7.1E-07	5.5E-06	5.5E-06	2.6E-06	3.5E-06	4.0E-06	4.0E-06	4.5E-06	4.5E-06	5.5E-06	4.8E-06	7.1E-07
.4	*9.0E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	5.6E-06	5.6E-06	2.8E-06	3.7E-06	4.1E-06	4.1E-06	4.7E-06	4.7E-06	5.6E-06	4.9E-06	*8.5E-07
.5	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	5.6E-06	5.6E-06	5.1E-06	4.4E-06	*4.6E-06	3.4E-06	4.9E-06	4.9E-06	5.6E-06	5.1E-06	1.3E-06
.5	1.4E-06	1.4E-06	1.4E-06	1.4E-06	*1.4E-06	5.6E-06	5.6E-06	5.4E-06	4.4E-06	4.9E-06	3.8E-06	4.9E-06	4.9E-06	5.6E-06	5.1E-06	1.4E-06
.5	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	5.5E-06	5.5E-06	5.5E-06	4.5E-06	4.8E-06	*4.1E-06	4.8E-06	4.8E-06	5.5E-06	5.0E-06	1.5E-06
.5	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	5.5E-06	5.7E-06	5.7E-06	4.6E-06	5.1E-06	5.1E-06	*4.9E-06	4.8E-06	*5.3E-06	4.9E-06	1.7E-06
.6	2.0E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	5.1E-06	5.4E-06	5.4E-06	*4.5E-06	5.1E-06	5.1E-06	4.5E-06	*4.9E-06	5.0E-06	*4.7E-06	1.9E-06
.6	2.1E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	4.7E-06	5.0E-06	*5.0E-06	4.5E-06	4.7E-06	4.9E-06	4.3E-06	4.7E-06	4.6E-06	4.4E-06	2.3E-06
.7	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	4.6E-06	*4.8E-06	5.0E-06	4.4E-06	4.6E-06	4.7E-06	4.4E-06	4.6E-06	4.5E-06	4.3E-06	2.3E-06
.7	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	*4.5E-06	4.7E-06	4.9E-06	5.0E-06	4.7E-06	4.6E-06	4.3E-06	4.6E-06	4.4E-06	4.2E-06	2.3E-06
1.0	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.1E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.0E-06
1.5	1.3E-06	1.5E-06	1.3E-06	1.3E-06	1.3E-06	1.6E-06	1.6E-06	1.6E-06	1.7E-06	1.6E-06	1.6E-06	1.7E-06	1.7E-06	1.6E-06	1.6E-06	1.3E-06
2.0	1.0E-06	1.0E-06	1.0E-06	1.0E-06	9.0E-07	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.1E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	9.1E-07
2.5	7.2E-07	7.1E-07	7.1E-07	7.1E-07	6.8E-07	7.1E-07	7.1E-07	7.2E-07	7.2E-07	7.3E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.1E-07	7.1E-07
3.0	5.3E-07	5.3E-07	5.3E-07	5.2E-07	5.2E-07	5.2E-07	5.3E-07	5.3E-07	5.3E-07	5.4E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07
3.5	4.1E-07	4.1E-07	4.1E-07	4.0E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
4.0	3.3E-07	3.3E-07	3.3E-07	3.2E-07	3.3E-07	3.2E-07	3.2E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07
4.5	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
5.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
6.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
7.0	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
8.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
9.0	8.2E-08	8.2E-08	8.2E-08	8.1E-08	8.2E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.2E-08	8.2E-08	8.2E-08	8.3E-08	8.2E-08	8.2E-08	8.2E-08
10.0	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08
15.0	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08
20.0	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08
25.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
30.0	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
40.0	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09
50.0	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09
MAX CONC	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	5.6E-06	5.7E-06	5.7E-06	5.0E-06	5.1E-06	5.1E-06	4.9E-06	4.8E-06	5.6E-06	5.1E-06	2.3E-06
DIST(MI)	.7	.7	.7	.7	.7	.5	.5	.5	.7	.5	.5	.5	.5	.5	.5	.7

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ-20

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE LOW FLOW
STABILITY STABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.0	0.	0.	0.	0.	0.	0.	0.	0.	1.8E-15	3.9E-13	0.	0.	1.8E-15	0.	0.	0.
2.5	1.7E-11	1.9E-14	1.9E-14	1.1E-15	0.	2.9E-15	2.9E-15	4.8E-14	1.5E-12	3.2E-10	3.6E-11	6.6E-13	1.5E-12	3.6E-11	1.1E-15	0.
3.0	5.6E-10	2.4E-11	2.4E-11	3.4E-13	1.6E-13	7.1E-13	1.5E-12	2.4E-11	8.8E-11	8.1E-08	1.8E-08	4.6E-11	8.8E-11	1.0E-09	6.1E-12	1.5E-09
3.5	8.9E-09	8.9E-09	4.4E-10	1.4E-11	4.7E-11	2.6E-11	4.7E-11	4.4E-10	1.3E-09	6.3E-07	6.2E-08	7.4E-10	1.3E-09	8.9E-09	8.9E-09	9.3E-08
4.0	4.0E-08	8.5E-08	3.3E-09	5.2E-10	7.9E-09	3.2E-10	5.2E-10	3.3E-09	7.9E-09	4.0E-06	7.4E-07	1.8E-08	8.5E-08	8.5E-08	4.0E-08	2.8E-07
4.5	4.5E-07	2.2E-07	2.1E-08	9.7E-09	4.2E-08	2.0E-09	3.0E-09	1.4E-08	3.0E-08	8.8E-06	1.4E-06	1.2E-07	1.4E-06	2.3E-06	4.5E-07	1.8E-06
5.0	1.4E-06	4.6E-07	1.5E-07	3.1E-08	1.1E-07	7.8E-09	1.1E-08	4.3E-08	1.1E-07	5.1E-05	2.2E-06	8.4E-07	3.4E-06	3.4E-06	8.4E-07	9.1E-06
6.0	6.6E-06	4.8E-06	5.0E-07	1.5E-07	4.0E-07	1.1E-07	2.4E-07	1.9E-07	4.0E-07	4.5E-05	4.0E-06	2.3E-06	1.6E-05	9.0E-06	1.6E-05	1.2E-05
7.0	2.5E-05	6.6E-06	1.3E-06	4.0E-07	1.7E-06	6.0E-07	6.0E-07	5.0E-07	8.9E-07	4.0E-05	5.7E-06	8.6E-06	1.7E-05	1.4E-05	4.8E-05	5.2E-05
8.0	2.4E-05	2.9E-06	6.3E-06	1.1E-06	2.6E-06	1.1E-06	1.1E-06	9.4E-07	1.5E-06	3.6E-05	1.3E-05	1.5E-05	1.8E-05	3.5E-05	4.1E-05	4.4E-05
9.0	4.0E-05	2.0E-05	7.3E-06	2.2E-06	3.5E-06	1.7E-06	1.7E-06	1.5E-06	2.2E-06	3.2E-05	2.0E-05	1.5E-05	1.7E-05	3.8E-05	4.1E-05	4.1E-05
10.0	3.5E-05	1.9E-05	8.0E-06	2.8E-06	4.2E-06	2.3E-06	2.3E-06	2.0E-06	2.8E-06	2.8E-05	2.1E-05	2.3E-05	1.9E-05	3.3E-05	3.6E-05	3.6E-05
15.0	2.0E-05	1.4E-05	8.7E-06	6.6E-06	6.1E-06	4.3E-06	4.3E-06	4.0E-06	4.9E-06	1.8E-05	1.6E-05	1.8E-05	1.6E-05	1.9E-05	2.0E-05	2.0E-05
20.0	1.3E-05	1.1E-05	7.7E-06	7.7E-06	6.1E-06	4.8E-06	4.8E-06	4.6E-06	5.2E-06	1.2E-05	1.3E-05	1.2E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
25.0	9.7E-06	8.6E-06	6.5E-06	6.5E-06	5.5E-06	4.6E-06	4.6E-06	4.5E-06	4.9E-06	9.2E-06	9.4E-06	9.8E-06	9.6E-06	9.6E-06	9.8E-06	9.8E-06
30.0	7.5E-06	6.9E-06	5.5E-06	5.5E-06	4.8E-06	4.2E-06	4.2E-06	4.1E-06	4.4E-06	7.2E-06	7.4E-06	7.6E-06	7.6E-06	7.5E-06	7.6E-06	7.6E-06
40.0	5.0E-06	5.0E-06	4.1E-06	4.1E-06	3.7E-06	3.4E-06	3.4E-06	3.4E-06	3.5E-06	4.9E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06
50.0	3.7E-06	3.7E-06	3.2E-06	3.2E-06	3.0E-06	2.8E-06	2.8E-06	2.7E-06	2.8E-06	3.6E-06	3.7E-06	3.7E-06	3.7E-06	3.6E-06	3.7E-06	3.7E-06
MAX CONC	4.0E-05	2.0E-05	8.7E-06	7.7E-06	6.1E-06	4.8E-06	4.8E-06	4.6E-06	5.2E-06	5.1E-05	2.1E-05	2.3E-05	1.9E-05	3.8E-05	4.8E-05	5.2E-05
DIST(MI)	9.0	9.0	15.0	20.0	15.0	20.0	20.0	20.0	20.0	5.0	10.0	10.0	10.0	9.0	7.0	7.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DG-21

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE LOW FLOW
STABILITY STABLE
SPEED 3. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	6.9E-15	1.1E-12	6.9E-15	0.	2.6E-14	9.3E-14	6.9E-15	0.	0.
2.0	1.7E-15	4.3E-14	3.3E-13	3.3E-13	0.	8.7E-13	8.7E-13	1.4E-11	4.1E-10	1.6E-08	1.4E-11	1.8E-10	4.1E-10	1.8E-10	3.3E-13	0.
2.5	4.7E-08	4.0E-10	4.0E-10	5.0E-11	0.	1.0E-10	1.0E-10	7.7E-10	9.0E-09	3.2E-07	7.8E-08	5.0E-09	9.0E-09	7.8E-08	5.0E-11	5.3E-12
3.0	2.0E-07	2.2E-08	2.2E-08	1.0E-09	5.8E-10	1.8E-09	3.0E-09	2.2E-08	5.6E-08	4.7E-06	4.3E-07	3.6E-08	5.6E-08	3.0E-07	8.4E-09	4.3E-07
3.5	6.9E-07	6.9E-07	8.6E-08	7.2E-09	1.7E-08	1.1E-08	1.7E-08	8.6E-08	1.6E-07	9.6E-06	2.4E-06	1.3E-07	1.8E-07	6.9E-07	6.9E-07	3.1E-06
4.0	1.2E-06	2.0E-06	2.2E-07	5.7E-08	4.0E-07	4.0E-08	5.7E-08	2.2E-07	4.0E-07	1.9E-05	7.5E-06	7.1E-07	2.0E-06	2.0E-06	1.2E-06	4.2E-06
4.5	4.3E-06	2.7E-06	5.4E-07	3.2E-07	8.9E-07	9.9E-08	1.3E-07	4.1E-07	6.9E-07	2.2E-05	8.4E-06	1.8E-06	8.4E-06	1.1E-05	4.3E-06	9.7E-06
5.0	6.7E-06	3.4E-06	1.6E-06	5.3E-07	1.3E-06	1.9E-07	2.5E-07	6.7E-07	1.3E-06	3.1E-05	8.9E-06	5.0E-06	1.1E-05	1.1E-05	5.0E-06	1.9E-05
6.0	1.2E-05	1.0E-05	2.4E-06	1.0E-06	2.1E-06	8.6E-07	1.5E-06	1.2E-06	2.1E-06	2.4E-05	9.2E-06	6.6E-06	1.9E-05	1.4E-05	1.9E-05	1.7E-05
7.0	1.8E-05	9.7E-06	3.5E-06	1.6E-06	4.2E-06	2.1E-06	2.1E-06	1.8E-06	2.7E-06	1.9E-05	9.0E-06	1.1E-05	1.6E-05	1.4E-05	1.9E-05	1.9E-05
8.0	1.5E-05	1.0E-05	7.9E-06	2.5E-06	4.6E-06	2.5E-06	2.5E-06	2.3E-06	3.2E-06	1.6E-05	1.2E-05	1.3E-05	1.4E-05	1.6E-05	1.6E-05	1.6E-05
9.0	1.4E-05	1.3E-05	7.5E-06	3.4E-06	4.7E-06	2.9E-06	2.9E-06	2.6E-06	3.4E-06	1.4E-05	1.3E-05	1.1E-05	1.2E-05	1.4E-05	1.4E-05	1.4E-05
10.0	1.2E-05	1.1E-05	7.1E-06	3.6E-06	4.7E-06	3.1E-06	3.1E-06	2.8E-06	3.6E-06	1.2E-05	1.1E-05	1.2E-05	1.1E-05	1.2E-05	1.2E-05	1.2E-05
15.0	6.7E-06	6.4E-06	5.0E-06	4.2E-06	4.0E-06	3.1E-06	3.1E-06	3.0E-06	3.4E-06	6.7E-06	6.6E-06	6.7E-06	6.6E-06	6.7E-06	6.7E-06	6.7E-06
20.0	4.5E-06	4.4E-06	3.7E-06	3.7E-06	3.2E-06	2.7E-06	2.7E-06	2.6E-06	2.9E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06
25.0	3.3E-06	3.2E-06	2.8E-06	2.8E-06	2.5E-06	2.3E-06	2.3E-06	2.2E-06	2.4E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06
30.0	2.5E-06	2.5E-06	2.3E-06	2.3E-06	2.1E-06	1.9E-06	1.9E-06	1.9E-06	2.0E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06
40.0	1.7E-06	1.7E-06	1.6E-06	1.6E-06	1.5E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
50.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
MAX CONC	1.8E-05	1.3E-05	7.9E-06	4.2E-06	4.7E-06	3.1E-06	3.1E-06	3.0E-06	3.6E-06	3.1E-05	1.3E-05	1.3E-05	1.9E-05	1.6E-05	1.9E-05	1.9E-05
DIST(MI)	7.0	9.0	8.0	15.0	10.0	15.0	15.0	15.0	10.0	5.0	9.0	8.0	6.0	8.0	7.0	7.0

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ-22

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE LOW FLOW
STABILITY STABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	5.2E-14	6.1E-12	5.2E-14	3.8E-15	1.8E-13	6.1E-13	5.2E-14	0.	0.
2.0	8.5E-15	1.9E-13	1.3E-12	1.3E-12	0.	3.3E-12	3.3E-12	4.6E-11	1.1E-09	3.3E-08	4.6E-11	5.1E-10	1.1E-09	5.1E-10	1.3E-12	0.
2.5	7.5E-08	8.5E-10	8.5E-10	1.2E-10	0.	2.3E-10	2.3E-10	1.6E-09	1.6E-08	4.5E-07	1.2E-07	9.2E-09	1.6E-08	1.2E-07	1.2E-10	1.4E-11
3.0	2.6E-07	3.3E-08	3.3E-08	1.8E-09	1.0E-09	3.0E-09	4.9E-09	3.3E-08	7.8E-06	4.6E-06	5.3E-07	5.1E-08	7.8E-08	3.7E-07	1.3E-08	5.3E-07
3.5	7.4E-07	7.4E-07	1.1E-07	1.0E-08	2.3E-08	1.5E-08	2.3E-08	1.1E-07	2.1E-07	8.2E-06	2.4E-06	1.5E-07	2.1E-07	7.4E-07	7.4E-07	3.0E-06
4.0	1.2E-06	1.9E-06	2.3E-07	6.7E-08	4.2E-07	4.7E-08	6.7E-08	2.3E-07	4.2E-07	1.4E-05	6.3E-06	7.1E-07	1.9E-06	1.9E-06	1.2E-06	3.7E-06
4.5	3.6E-06	2.4E-06	5.3E-07	3.2E-07	8.4E-07	1.1E-07	1.4E-07	4.1E-07	6.7E-07	1.6E-05	6.7E-06	1.6E-06	6.7E-06	8.7E-06	3.6E-06	7.6E-06
5.0	5.3E-06	2.8E-06	1.4E-06	5.0E-07	1.1E-06	1.9E-07	2.5E-07	6.2E-07	1.1E-06	1.9E-05	6.8E-06	4.0E-06	5.8E-06	8.5E-06	4.0E-06	1.3E-05
6.0	8.6E-06	7.3E-06	1.9E-06	8.8E-07	1.7E-06	7.4E-07	1.2E-06	1.0E-06	1.7E-06	1.4E-05	6.7E-06	4.9E-06	1.2E-05	9.9E-06	1.2E-05	1.1E-05
7.0	1.1E-05	6.7E-06	2.6E-06	1.2E-06	3.1E-06	1.6E-06	1.6E-06	1.4E-06	2.1E-06	1.2E-05	6.3E-06	7.7E-06	1.0E-05	9.5E-06	1.2E-05	1.2E-05
8.0	9.5E-06	6.9E-06	5.4E-06	1.9E-06	3.3E-06	1.9E-06	1.9E-06	1.7E-06	2.3E-06	9.7E-06	7.6E-06	8.2E-06	8.7E-06	9.7E-06	9.7E-06	9.7E-06
9.0	8.2E-06	7.9E-06	5.0E-06	2.5E-06	3.3E-06	2.1E-06	2.1E-06	1.9E-06	2.5E-06	8.2E-06	7.9E-06	7.2E-06	7.5E-06	8.2E-06	8.2E-06	8.2E-06
10.0	7.1E-06	6.8E-06	4.7E-06	2.5E-06	3.2E-06	2.2E-06	2.2E-06	2.0E-06	2.5E-06	7.1E-06	7.0E-06	7.1E-06	6.8E-06	7.1E-06	7.1E-06	7.1E-06
15.0	4.0E-06	3.9E-06	3.2E-06	2.7E-06	2.6E-06	2.1E-06	2.1E-06	2.0E-06	2.2E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06
20.0	2.7E-06	2.7E-06	2.3E-06	2.3E-06	2.0E-06	1.7E-06	1.7E-06	1.7E-06	1.8E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06
25.0	2.0E-06	2.0E-06	1.7E-06	1.7E-06	1.6E-06	1.4E-06	1.4E-06	1.4E-06	1.5E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
30.0	1.5E-06	1.5E-06	1.4E-06	1.4E-06	1.3E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06
40.0	1.0E-06	1.0E-06	9.5E-07	9.5E-07	9.0E-07	8.5E-07	8.5E-07	8.4E-07	8.7E-07	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
50.0	7.3E-07	7.3E-07	7.0E-07	7.0E-07	6.8E-07	6.5E-07	6.5E-07	6.5E-07	6.6E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07
MAX CONC	1.1E-05	7.9E-06	5.4E-06	2.7E-06	3.3E-06	2.2E-06	2.2E-06	2.0E-06	2.5E-06	1.9E-05	7.9E-06	8.2E-06	1.2E-05	9.9E-06	1.2E-05	1.3E-05
DIST(MI)	7.0	9.0	8.0	15.0	9.0	10.0	10.0	10.0	10.0	5.0	9.0	8.0	6.0	6.0	6.0	5.0

TABLE NO. 0Q-23

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE HIGH FLOW
STABILITY UNSTABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	1.2E-12	*1.0E-12	*1.0E-12	1.0E-12	1.0E-12	3.3E-10	2.7E-10	3.3E-11	5.0E-11	1.2E-10	1.2E-10	1.7E-10	1.7E-10	3.3E-10	2.1E-10	1.0E-12
.4	5.4E-12	4.6E-12	4.6E-12	*4.6E-12	4.6E-12	9.0E-10	9.0E-10	1.1E-10	2.3E-10	3.4E-10	3.4E-10	4.9E-10	4.9E-10	9.0E-10	5.9E-10	4.6E-12
.4	*1.8E-11	1.6E-11	1.6E-11	1.6E-11	1.6E-11	2.1E-09	2.1E-09	2.9E-10	6.0E-10	8.5E-10	8.5E-10	1.2E-09	1.2E-09	2.1E-08	1.4E-09	*1.6E-11
.5	3.5E-10	3.1E-10	3.1E-10	3.1E-10	3.1E-10	1.5E-08	1.5E-08	1.1E-05	7.2E-09	*8.3E-09	3.6E-09	9.5E-09	9.5E-09	1.5E-08	1.1E-08	3.1E-10
.5	7.3E-10	6.6E-10	6.6E-10	6.6E-10	*6.6E-10	2.4E-08	2.4E-08	2.1E-08	1.2E-08	1.6E-08	6.5E-09	1.6E-08	1.6E-08	2.4E-08	1.8E-08	6.6E-10
.5	1.4E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	3.8E-08	3.8E-08	3.8E-08	2.0E-08	2.6E-08	*1.8E-08	2.6E-08	2.6E-08	3.8E-08	2.9E-08	1.3E-09
.5	4.5E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	8.8E-08	9.8E-08	9.8E-08	5.1E-08	7.2E-08	7.2E-08	*5.7E-08	5.7E-08	*8.0E-08	6.3E-08	4.1E-09
.6	1.7E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	2.1E-07	2.5E-07	2.5E-07	*1.4E-07	2.1E-07	2.1E-07	1.4E-07	*1.8E-07	1.9E-07	*1.6E-07	1.6E-08
.6	4.6E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	3.9E-07	4.5E-07	*4.5E-07	3.4E-07	3.9E-07	4.2E-07	2.8E-07	3.9E-07	3.6E-07	3.1E-07	5.6E-08
.7	6.1E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	4.6E-07	*5.3E-07	6.1E-07	4.0E-07	4.6E-07	5.0E-07	4.0E-07	4.6E-07	4.3E-07	3.7E-07	7.4E-08
.7	7.8E-08	7.4E-08	7.4E-08	7.4E-08	7.4E-08	*5.4E-07	6.2E-07	7.0E-07	7.4E-07	6.2E-07	5.8E-07	4.8E-07	5.8E-07	5.1E-07	4.4E-07	9.4E-08
1.0	7.6E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.6E-06	2.3E-06	2.2E-06	2.3E-06	2.1E-06	2.3E-06	8.4E-07
1.5	1.8E-06	2.6E-06	1.8E-06	1.8E-06	1.8E-06	3.2E-06	3.2E-06	3.4E-06	3.6E-06	3.4E-06	3.3E-06	3.5E-06	3.5E-06	3.4E-06	3.2E-06	1.9E-06
2.0	2.8E-06	2.8E-06	2.9E-06	2.9E-06	2.1E-06	2.9E-06	2.9E-06	3.0E-06	3.1E-06	3.3E-06	3.0E-06	3.1E-06	3.1E-06	3.1E-06	2.9E-06	2.1E-06
2.5	2.6E-06	2.5E-06	2.5E-06	2.4E-06	2.2E-06	2.4E-06	2.4E-06	2.5E-06	2.5E-06	2.7E-06	2.6E-06	2.5E-06	2.5E-06	2.6E-06	2.4E-06	2.4E-06
3.0	2.1E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.1E-06	2.2E-06	2.1E-06	2.0E-06	2.1E-06	2.1E-06	2.0E-06	2.1E-06
3.5	1.7E-06	1.7E-06	1.7E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.7E-06	1.7E-06	1.8E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
4.0	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.5E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
4.5	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
5.0	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	9.9E-07	9.9E-07	1.0E-06	1.0E-06	1.1E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
6.0	7.7E-07	7.7E-07	7.6E-07	7.5E-07	7.6E-07	7.5E-07	7.5E-07	7.5E-07	7.6E-07	7.8E-07	7.7E-07	7.6E-07	7.8E-07	7.7E-07	7.8E-07	7.7E-07
7.0	6.1E-07	6.0E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	6.1E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.1E-07	6.1E-07
8.0	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.7E-07	4.8E-07	4.9E-07	4.8E-07	4.8E-07	4.8E-07	4.9E-07	4.9E-07	4.9E-07
9.0	4.0E-07	4.0E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07
10.0	3.4E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.4E-07	3.4E-07	3.4E-07
15.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
20.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
25.0	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08
30.0	5.2E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08
40.0	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08
50.0	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08
MAX CONC	2.8E-06	2.8E-06	2.9E-06	2.9E-06	2.2E-06	3.2E-06	3.2E-06	3.4E-06	3.6E-06	3.4E-06	3.3E-06	3.5E-06	3.5E-06	3.4E-06	3.2E-06	2.4E-06
DIST(MI)	2.0	2.0	2.0	2.0	2.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ-24

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE HIGH FLOW
STABILITY UNSTABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	1.4E-07	*1.3E-07	*1.3E-07	1.3E-07	1.3E-07	2.4E-06	2.2E-06	7.9E-07	9.8E-07	1.5E-06	1.5E-06	1.8E-06	1.8E-06	2.4E-06	2.0E-06	1.3E-07
.4	2.1E-07	1.9E-07	1.9E-07	*1.9E-07	1.9E-07	2.8E-06	2.8E-06	1.0E-06	1.5E-06	1.8E-06	1.8E-06	2.1E-06	2.1E-06	2.8E-06	2.3E-06	1.9E-07
.4	*2.8E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	3.1E-06	3.1E-06	1.2E-06	1.7E-06	2.0E-06	2.0E-06	2.4E-06	2.4E-06	3.1E-06	2.6E-06	*2.6E-07
.5	5.8E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	3.9E-06	3.9E-06	3.4E-06	2.8E-06	*3.0E-06	2.0E-06	3.2E-06	3.2E-06	3.9E-06	3.4E-06	5.5E-07
.5	6.9E-07	6.6E-07	6.6E-07	6.6E-07	*6.6E-07	4.1E-06	4.1E-06	3.9E-06	3.0E-06	3.4E-06	2.2E-06	3.4E-06	3.4E-06	4.1E-06	3.6E-06	6.6E-07
.5	8.1E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	4.3E-06	4.3E-06	4.3E-06	3.2E-06	3.6E-06	*2.8E-06	3.6E-06	3.6E-06	4.3E-06	3.8E-06	7.7E-07
.5	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	4.7E-06	4.9E-06	4.9E-06	3.7E-06	4.3E-06	4.3E-06	*3.9E-06	3.9E-06	*4.5E-06	4.0E-06	1.0E-06
.6	1.4E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	4.9E-06	3.3E-06	5.3E-06	*4.1E-06	4.9E-06	4.9E-06	4.1E-06	*4.5E-06	4.7E-06	*4.3E-06	1.3E-06
.6	1.7E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	4.9E-06	5.2E-06	*5.2E-06	4.6E-06	4.9E-06	5.1E-06	4.3E-06	4.9E-06	4.8E-06	4.4E-06	1.9E-06
.7	1.8E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	4.9E-06	*5.2E-06	5.5E-06	4.6E-06	4.9E-06	5.1E-06	4.6E-06	4.9E-06	4.8E-06	4.4E-06	1.9E-06
.7	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	*4.9E-06	5.2E-06	5.5E-06	5.6E-06	5.2E-06	5.0E-06	4.6E-06	5.0E-06	4.7E-06	4.4E-06	2.0E-06
1.0	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	4.0E-06	4.0E-06	4.0E-06	4.1E-06	4.2E-06	4.0E-06	3.9E-06	4.0E-06	3.8E-06	4.0E-06	2.4E-06
1.5	1.8E-06	2.2E-06	1.8E-06	1.8E-06	1.8E-06	2.4E-06	2.4E-06	2.5E-06	2.6E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.4E-06	1.9E-06
2.0	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.3E-06	1.6E-06	1.6E-06	1.6E-06	1.7E-06	1.7E-06	1.6E-06	1.6E-06	1.7E-06	1.6E-06	1.6E-06	1.4E-06
2.5	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06	1.1E-06
3.0	8.7E-07	8.6E-07	8.6E-07	8.5E-07	8.4E-07	8.5E-07	8.5E-07	8.6E-07	8.6E-07	8.8E-07	8.7E-07	8.6E-07	8.6E-07	8.7E-07	8.8E-07	8.7E-07
3.5	6.7E-07	6.7E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.7E-07	6.8E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07
4.0	5.4E-07	5.4E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
4.5	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07
5.0	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.6E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07
6.0	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
7.0	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07
8.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
9.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
10.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
15.0	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08
20.0	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08
25.0	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08
30.0	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08
40.0	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
50.0	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09	7.2E-09
MAX CONC	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	4.9E-06	5.3E-06	5.5E-06	5.6E-06	5.2E-06	5.1E-06	4.8E-06	5.0E-06	4.8E-06	4.4E-06	2.4E-06
DIST(MI)	1.0	1.0	1.0	1.0	1.0	.6	.6	.7	.7	.7	.6	.7	.7	.6	.7	1.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. OG-2B

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE HIGH FLOW
STABILITY UNSTABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	2.8E-07	*2.6E-07	*2.8E-07	2.8E-07	2.6E-07	3.2E-06	3.0E-06	1.3E-06	1.8E-06	2.1E-06	2.1E-06	2.5E-06	2.5E-06	3.2E-06	2.7E-06	2.6E-07
.4	3.7E-07	3.4E-07	3.4E-07	*3.4E-07	3.4E-07	3.5E-06	3.5E-06	1.5E-06	2.0E-06	2.4E-06	2.4E-06	2.7E-06	2.7E-06	3.5E-06	3.0E-06	3.4E-07
.4	*4.6E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	3.7E-06	3.7E-06	1.6E-06	2.2E-06	2.6E-06	2.6E-06	2.9E-06	2.9E-06	3.7E-06	3.1E-06	*4.3E-07
.5	7.7E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	4.0E-06	4.0E-06	3.6E-06	3.0E-06	*3.2E-06	2.3E-06	3.4E-06	3.4E-06	4.0E-06	3.6E-06	7.3E-07
.5	8.7E-07	8.3E-07	8.3E-07	8.3E-07	*8.3E-07	4.1E-06	4.1E-06	3.9E-06	3.1E-06	3.5E-06	2.4E-06	3.5E-06	3.5E-06	4.1E-06	3.6E-06	8.3E-07
.5	9.7E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	4.1E-06	4.1E-06	4.1E-06	3.2E-06	3.5E-06	*2.9E-06	3.5E-06	3.5E-06	4.1E-06	3.7E-06	9.3E-07
.5	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	4.3E-06	4.4E-06	4.4E-06	3.4E-06	3.9E-06	3.9E-06	*3.5E-06	3.6E-06	*4.1E-06	3.7E-06	1.1E-06
.6	1.4E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	4.1E-06	4.4E-06	4.4E-06	*3.6E-06	4.1E-06	4.1E-06	3.6E-06	*3.9E-06	4.0E-06	*3.7E-06	1.3E-06
.6	1.6E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	3.9E-06	4.2E-06	*4.2E-06	3.7E-06	3.9E-06	4.1E-06	3.5E-06	3.9E-06	3.8E-06	3.6E-06	1.7E-06
.7	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	3.9E-06	*4.1E-06	4.3E-06	3.7E-06	3.9E-06	4.0E-06	3.7E-06	3.9E-06	3.8E-06	3.5E-06	1.8E-06
.7	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	*3.8E-06	4.0E-06	4.2E-06	4.3E-06	4.0E-06	3.9E-06	3.6E-06	3.9E-06	3.7E-06	3.5E-06	1.8E-06
1.0	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.7E-06	2.7E-06	2.7E-06	2.6E-06	2.7E-06	1.8E-06
1.5	1.2E-06	1.4E-06	1.2E-06	1.2E-06	1.2E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.3E-06
2.0	9.8E-07	9.8E-07	1.0E-06	1.0E-06	8.6E-07	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	8.8E-07
2.5	7.1E-07	7.0E-07	7.0E-07	7.0E-07	6.7E-07	7.0E-07	7.0E-07	7.0E-07	7.1E-07	7.2E-07	7.2E-07	7.1E-07	7.1E-07	7.2E-07	7.0E-07	6.9E-07
3.0	5.3E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.3E-07	5.3E-07	5.2E-07	5.2E-07	5.3E-07	5.2E-07	5.3E-07
3.5	4.1E-07	4.1E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.1E-07	4.1E-07	4.1E-07	4.0E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
4.0	3.2E-07	3.3E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.3E-07	3.3E-07	3.2E-07	3.3E-07	3.3E-07	3.2E-07	3.3E-07
4.5	2.7E-07	2.7E-07	2.6E-07	2.6E-07	2.7E-07	2.6E-07	2.6E-07	2.6E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
5.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
6.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.5E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
7.0	1.3E-07	1.3E-07	1.3E-07	1.2E-07	1.3E-07	1.2E-07	1.2E-07	1.2E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
8.0	1.0E-07	1.0E-07	1.0E-07	9.9E-08	1.0E-07	9.9E-08	9.9E-08	9.9E-08	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
9.0	8.2E-08	8.2E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08
10.0	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08
15.0	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08
20.0	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08
25.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
30.0	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
40.0	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09
50.0	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09
MAX CONC	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	4.3E-06	4.4E-06	4.4E-06	4.3E-06	4.1E-06	4.1E-06	3.7E-06	3.9E-06	4.1E-06	3.7E-06	1.8E-06
DIST(MI)	1.0	1.0	1.0	1.0	1.0	.5	.5	.5	.7	.6	.6	.7	.6	.5	.5	.7

TABLE NO. DQ-26

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER ST..ION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE HIGH FLOW
STABILITY STABLE
SPEED 1. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	8.0E-14	0.	0.	0.	0.	0.	0.
6.0	3.7E-15	1.3E-15	0.	0.	0.	0.	0.	0.	0.	7.2E-12	0.	0.	6.6E-14	9.8E-15	6.6E-14	2.6E-14
7.0	1.4E-11	1.4E-13	1.6E-15	0.	3.4E-15	0.	0.	0.	0.	1.4E-10	9.2E-14	3.1E-13	3.2E-12	1.5E-12	4.5E-10	8.4E-10
8.0	1.6E-10	6.9E-12	1.8E-12	1.9E-14	1.7E-13	1.9E-14	1.9E-14	1.3E-14	4.2E-14	1.1E-08	1.5E-11	2.5E-11	4.8E-11	9.8E-10	2.9E-08	4.8E-08
9.0	3.2E-08	5.7E-10	2.1E-11	8.9E-13	2.8E-12	4.6E-13	4.6E-13	3.3E-13	8.9E-13	4.7E-08	5.7E-10	2.2E-10	3.4E-10	1.7E-08	5.9E-08	5.8E-08
10.0	7.4E-08	2.3E-09	1.4E-10	8.8E-12	2.4E-11	5.0E-12	5.0E-12	3.8E-12	8.8E-12	1.4E-08	3.1E-09	5.5E-09	2.3E-08	4.3E-08	1.2E-07	1.2E-07
15.0	6.2E-07	8.9E-08	1.8E-08	8.3E-09	6.8E-09	2.8E-09	2.8E-09	2.4E-09	3.9E-09	2.5E-07	1.3E-07	2.4E-07	1.3E-07	4.6E-07	8.3E-07	8.3E-07
20.0	1.3E-06	4.7E-07	1.3E-07	1.3E-07	6.6E-08	3.7E-08	3.7E-08	3.3E-08	4.5E-08	7.2E-07	8.0E-07	7.0E-07	1.0E-06	1.1E-06	1.6E-06	1.6E-06
25.0	1.8E-06	8.5E-07	3.3E-07	3.3E-07	2.0E-07	1.3E-07	1.3E-07	1.2E-07	1.5E-07	1.2E-06	1.4E-06	3.0E-06	1.5E-06	1.6E-06	2.1E-06	2.1E-06
30.0	2.1E-06	1.1E-06	5.5E-07	5.5E-07	3.8E-07	2.7E-07	2.7E-07	2.6E-07	3.1E-07	1.5E-06	1.7E-06	3.0E-06	2.1E-06	1.8E-06	2.3E-06	2.3E-06
40.0	3.3E-06	2.2E-06	8.8E-07	8.3E-07	6.9E-07	5.5E-07	5.5E-07	5.3E-07	6.0E-07	1.7E-06	3.3E-06	2.7E-06	2.9E-06	2.0E-06	2.3E-06	4.8E-06
50.0	2.7E-06	2.0E-06	1.0E-06	1.0E-06	8.6E-07	7.3E-07	7.3E-07	7.1E-07	7.8E-07	1.7E-06	2.7E-06	2.4E-06	3.3E-06	1.8E-06	2.1E-06	3.5E-06
MAX																
CONC	3.3E-06	2.2E-06	1.0E-06	1.0E-06	8.6E-07	7.3E-07	7.3E-07	7.1E-07	7.8E-07	1.7E-06	3.3E-06	3.0E-06	3.3E-06	2.0E-06	2.3E-06	4.8E-06
DIST(MI)	40.0	40.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	40.0	40.0	30.0	50.0	40.0	30.0	40.0

TABLE NO. DQ-27

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE HIGH FLOW
STABILITY STABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.3E-13	0.	0.	0.	0.	0.	0.
2.5	5.6E-12	6.4E-15	6.4E-15	0.	0.	0.	0.	1.6E-14	5.1E-13	1.1E-10	1.2E-11	2.2E-13	5.1E-13	1.2E-11	0.	0.
3.0	1.9E-10	7.9E-12	7.9E-12	1.1E-13	5.3E-14	2.4E-13	4.9E-13	7.9E-12	2.9E-11	2.7E-08	6.0E-10	1.5E-11	2.9E-11	3.4E-10	2.0E-12	6.0E-10
3.5	3.0E-09	3.0E-08	1.5E-10	4.8E-12	1.6E-11	8.7E-12	1.6E-11	1.5E-10	4.2E-10	2.1E-07	2.1E-08	2.5E-10	4.2E-10	3.0E-09	3.0E-09	3.1E-08
4.0	1.3E-08	2.8E-08	1.1E-09	1.7E-10	2.6E-09	1.1E-10	1.7E-10	1.1E-09	2.6E-09	1.3E-06	2.5E-07	6.0E-08	2.8E-08	2.8E-08	1.3E-08	9.3E-08
4.5	1.5E-07	7.5E-08	6.9E-09	3.2E-09	1.4E-08	6.6E-10	9.9E-10	4.7E-09	9.9E-09	2.9E-06	4.6E-07	3.9E-08	4.6E-07	7.7E-07	1.5E-07	6.0E-07
5.0	4.6E-07	1.5E-07	4.9E-08	1.0E-08	3.6E-08	2.6E-09	3.7E-09	1.4E-08	3.6E-08	1.7E-05	7.3E-07	2.8E-07	1.1E-06	1.1E-06	2.8E-07	3.0E-06
6.0	2.2E-06	1.6E-06	1.7E-07	4.9E-08	1.3E-07	3.8E-08	8.2E-08	6.4E-08	1.3E-07	1.5E-05	1.3E-06	7.7E-07	5.2E-06	3.0E-06	5.2E-06	4.0E-06
7.0	8.3E-06	2.2E-06	4.3E-07	1.3E-07	5.7E-07	2.0E-07	2.0E-07	1.7E-07	3.0E-07	1.3E-05	1.9E-06	2.9E-06	5.7E-06	4.6E-06	1.6E-05	1.7E-05
8.0	8.0E-06	3.3E-06	2.1E-06	3.7E-07	8.8E-07	3.7E-07	3.7E-07	3.1E-07	5.1E-07	1.2E-05	4.2E-06	4.9E-06	5.9E-06	1.2E-05	1.4E-05	1.5E-05
9.0	1.3E-05	6.7E-06	2.4E-06	7.3E-07	1.2E-06	5.6E-07	5.6E-07	4.9E-07	7.3E-07	1.1E-05	6.7E-06	5.1E-06	5.8E-06	1.3E-05	1.4E-05	1.4E-05
10.0	1.2E-05	6.4E-06	2.7E-06	9.5E-07	1.4E-06	7.5E-07	7.5E-07	6.7E-07	9.5E-07	9.5E-06	6.8E-06	7.8E-06	6.4E-06	1.1E-05	1.2E-05	1.2E-05
15.0	6.5E-06	4.7E-06	2.9E-06	2.2E-06	2.0E-06	1.4E-06	1.4E-06	1.3E-06	1.6E-06	5.9E-06	5.2E-06	5.9E-06	5.2E-06	6.5E-06	6.7E-06	6.7E-06
20.0	4.4E-06	3.8E-06	2.6E-06	2.6E-06	2.0E-06	1.6E-06	1.6E-06	1.5E-06	1.7E-06	4.1E-06	4.3E-06	4.1E-06	4.3E-06	4.4E-06	4.5E-06	4.5E-06
25.0	3.2E-06	2.9E-06	2.2E-06	2.2E-06	1.8E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	3.1E-06	3.1E-06	3.3E-06	3.2E-06	3.2E-06	3.3E-06	3.3E-06
30.0	2.5E-06	2.3E-06	1.8E-06	1.8E-06	1.6E-06	1.4E-06	1.4E-06	1.4E-06	1.5E-06	2.4E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06
40.0	1.7E-06	1.7E-06	1.4E-06	1.4E-06	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.2E-06	1.6E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
50.0	1.2E-06	1.2E-06	1.1E-06	1.1E-06	9.9E-07	9.2F-07	9.2E-07	9.1E-07	9.5E-07	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
MAX CONC	1.3E-05	6.7E-06	2.9E-06	2.6E-06	2.0E-06	1.6E-06	1.6E-06	1.5E-06	1.7E-06	1.7E-05	6.8E-06	7.8E-06	6.4E-06	1.3E-05	1.6E-05	1.7E-05
DIST(MI)	9.0	9.0	15.0	20.0	15.0	20.0	20.0	20.0	20.0	5.0	10.0	10.0	10.0	9.0	7.0	7.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ-28

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
STACK RELEASE HIGH FLOW
STABILITY STABLE
SPEED 5. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
ISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	1.3E-15	0.	0.	0.	0.	0.	0.	0.
2.0	0.	0.	1.2E-15	1.2E-15	0.	3.6E-15	3.6E-15	8.3E-14	3.9E-12	2.7E-10	8.3E-14	1.5E-12	3.9E-12	1.5E-12	1.2E-15	0.
2.5	1.8E-09	7.6E-12	7.6E-12	7.2E-13	0.	1.6E-12	1.6E-12	1.6E-11	2.6E-10	1.8E-08	3.2E-09	1.3E-10	2.6E-10	3.2E-09	7.2E-13	5.9E-14
3.0	1.4E-08	1.1E-09	1.1E-09	3.4E-11	1.8E-11	6.4E-11	1.2E-10	1.1E-09	3.3E-09	6.3E-07	3.6E-08	1.8E-09	3.3E-09	2.3E-08	3.7E-10	3.6E-08
3.5	7.9E-08	7.9E-08	7.1E-09	4.3E-10	1.1E-09	7.0E-10	1.1E-09	7.1E-09	1.7E-08	1.9E-06	3.5E-07	1.1E-08	1.7E-08	7.9E-08	7.9E-08	4.8E-07
4.0	1.8E-07	3.3E-07	2.5E-08	5.5E-09	5.1E-08	3.7E-09	5.5E-09	2.5E-08	5.1E-08	5.5E-06	1.7E-06	9.8E-08	3.3E-07	3.3E-07	1.8E-07	8.2E-07
4.5	9.5E-07	5.5E-07	8.4E-08	4.6E-08	1.5E-07	1.2E-08	1.7E-08	6.2E-08	1.1E-07	7.8E-06	2.2E-06	3.3E-07	2.2E-06	3.1E-06	9.5E-07	2.6E-06
5.0	1.8E-06	7.9E-07	3.3E-07	9.3E-08	2.6E-07	3.0E-08	4.0E-08	1.2E-07	2.6E-07	1.8E-05	2.6E-06	1.3E-06	3.5E-06	3.5E-06	1.3E-06	7.0E-06
6.0	4.5E-06	3.6E-06	6.4E-07	2.4E-07	5.3E-07	2.0E-07	3.6E-07	3.0E-07	5.3E-07	1.4E-05	3.2E-06	2.1E-06	8.0E-06	5.6E-06	8.0E-06	6.8E-06
7.0	9.1E-06	3.8E-06	1.1E-06	4.4E-07	1.4E-06	6.0E-07	6.0E-07	5.1E-07	8.2E-07	1.1E-05	3.4E-06	4.6E-06	7.3E-06	6.4E-06	1.2E-05	1.2E-05
8.0	7.9E-06	4.5E-06	3.2E-06	8.4E-07	1.7E-06	8.4E-07	8.4E-07	7.3E-07	1.1E-06	9.5E-06	5.3E-06	5.9E-06	6.6E-06	9.5E-03	9.7E-06	9.7E-06
9.0	8.2E-06	6.4E-06	3.3E-06	1.3E-06	1.9E-06	1.0E-06	1.0E-06	9.3E-07	1.3E-06	8.1E-06	[illegible].4E-06	5.5E-06	5.9E-06	8.2E-06	8.2E-06	8.2E-06
0.0	7.1E-06	5.8E-06	3.2E-06	1.4E-06	2.0E-06	1.2E-06	1.2E-06	1.1E-06	1.4E-06	7.0E-06	6.0E-06	6.5E-06	5.8E-06	7.1E-06	7.1E-06	7.1E-06
5.0	4.0E-06	3.6E-06	2.6E-06	2.1E-06	2.0E-06	1.5E-06	1.5E-06	1.4E-06	1.6E-06	4.0E-06	3.8E-06	4.0E-06	3.8E-06	4.0E-06	4.0E-06	4.0E-06
0.0	2.7E-06	2.6E-06	2.0E-06	2.0E-06	1.7E-06	1.4E-06	1.4E-06	1.3E-06	1.5E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06
5.0	2.0E-06	1.9E-06	1.6E-06	1.6E-06	1.4E-06	1.2E-06	1.2E-06	1.2E-06	1.3E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
0.0	1.5E-06	1.5E-06	1.3E-06	1.3E-06	1.2E-06	1.0E-06	1.0E-06	1.0E-06	1.1E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06
0.0	1.0E-06	1.0E-06	9.0E-07	9.0E-07	8.4E-07	7.8E-07	7.8E-07	7.7E-07	8.1E-07	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
0.0	7.3E-07	7.3E-07	6.8E-07	6.8E-07	6.4E-07	6.1E-07	6.1E-07	6.1E-07	6.2E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07
AX ONC	9.1E-06	6.4E-06	3.3E-06	2.1E-06	2.0E-06	1.5E-06	1.5E-06	1.4E-06	1.6E-06	1.8E-05	6.4E-06	6.5E-06	8.0E-06	9.5E-06	1.2E-05	1.2E-05
IST(MI)	7.0	9.0	9.0	15.0	10.0	15.0	15.0	15.0	15.0	5.0	9.0	10.0	6.0	8.0	7.0	7.0

OTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. OQ-29

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	3.5E-09	*3.1E-09	*3.1E-09	3.1E-09	3.1E-09	2.1E-07	1.8E-07	3.9E-08	5.4E-08	9.7E-08	9.7E-08	1.3E-07	1.3E-07	2.1E-07	1.5E-07	3.1E-09
.4	7.7E-09	6.9E-09	6.9E-09	*6.9E-09	6.9E-09	3.2E-07	3.2E-07	7.1E-08	1.2E-07	1.6E-07	1.6E-07	2.1E-07	2.1E-07	3.2E-07	2.4E-07	6.9E-09
.4	*1.5E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	4.6E-07	4.6E-07	1.2E-07	1.9E-07	2.5E-07	2.5E-07	3.1E-07	3.1E-07	4.6E-07	3.5E-07	*1.3E-08
.5	7.1E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	1.1E-06	1.1E-06	8.7E-07	6.5E-07	*7.2E-07	4.0E-07	7.9E-07	7.9E-07	1.1E-06	8.7E-07	6.5E-08
.5	1.0E-07	9.7E-08	9.7E-08	9.7E-08	*9.7E-08	1.3E-06	1.3E-06	1.2E-06	8.3E-07	1.0E-06	5.2E-07	1.0E-06	1.0E-06	1.3E-06	1.1E-06	9.7E-08
.5	1.5E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.6E-06	1.6E-06	1.6E-06	1.0E-06	1.2E-06	*8.7E-07	1.2E-06	1.2E-06	1.6E-06	1.3E-06	1.4E-07
.5	2.7E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.3E-06	2.5E-06	2.5E-06	1.6E-06	2.0E-06	2.0E-06	*1.7E-06	1.7E-06	*2.2E-06	1.8E-06	2.5E-07
.6	5.2E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	3.2E-06	3.6E-06	3.6E-06	*2.5E-06	3.2E-06	3.2E-06	2.5E-06	*2.9E-06	3.1E-06	*2.7E-06	5.0E-07
.6	8.6E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	4.1E-06	4.5E-06	*4.5E-06	3.7E-06	4.1E-06	4.3E-06	3.2E-06	4.1E-06	3.9E-06	3.4E-06	1.0E-06
.7	9.8E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	4.3E-06	*4.7E-06	5.2E-06	3.9E-06	4.3E-06	4.5E-06	3.9E-06	4.3E-06	4.1E-06	3.7E-06	1.1E-06
.7	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	*4.5E-06	6.0E-06	5.4E-06	5.6E-06	5.0E-06	4.7E-06	[illegible]	4.7E-06	4.3E-06	3.9E-06	1.3E-06
1.0	3.0E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	6.8E-06	6.8E-06	6.8E-06	7.0E-06	7.3E-06	6.6E-06	6.5E-06	6.6E-06	6.2E-06	6.6E-06	3.2E-06
1.5	3.6E-06	4.6E-06	3.5E-06	3.5E-06	3.5E-06	5.4E-06	5.4E-06	5.6E-06	5.8E-06	5.6E-06	5.4E-06	5.6E-06	5.7E-06	5.6E-06	5.3E-06	3.7E-06
2.0	3.7E-06	3.8E-06	3.8E-06	3.8E-06	3.0E-06	3.9E-06	3.9E-06	3.9E-06	4.0E-06	4.2E-06	3.9E-06	4.0E-06	4.0E-06	4.0E-06	3.8E-06	3.1E-06
2.5	3.0E-06	2.9E-06	2.9E-06	2.8E-06	2.6E-06	2.8E-06	2.8E-06	2.9E-06	2.9E-06	3.0E-06	3.0E-06	2.9E-06	2.9E-06	3.0E-06	2.8E-06	2.8E-06
3.0	2.2E-06	2.2E-06	2.2E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.2E-06	2.2E-06	2.3E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06
3.5	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
4.0	1.3E-06	1.4E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.4E-06	1.4E-06	1.3E-06	1.4E-06	1.4E-06	1.3E-06	1.4E-06
4.5	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
5.0	9.1E-07	9.1E-07	9.0E-07	9.0E-07	9.0E-07	8.9E-07	8.9E-07	9.0E-07	9.0E-07	9.3E-07	9.2E-07	9.1E-07	9.2E-07	9.2E-07	9.1E-07	9.2E-07
6.0	6.6E-07	6.6E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.5E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07
7.0	5.0E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	5.0E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	5.0E-07	5.0E-07
8.0	3.9E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.9E-07	3.8E-07	3.8E-07	3.8E-07	3.9E-07	3.9E-07	3.9E-07
9.0	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.0E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07
10.0	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07
15.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
20.0	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08	6.7E-08
25.0	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08
30.0	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08
40.0	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08
50.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
MAX CONC	3.7E-06	4.6E-06	3.8E-06	3.8E-06	3.5E-06	6.8E-06	6.8E-06	6.8E-06	7.0E-06	7.3E-06	6.6E-06	6.5E-06	6.6E-06	6.2E-06	6.6E-06	3.7E-06
DIST(MI)	2.0	1.5	2.0	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ- 1

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	3.9E-07	*3.6E-07	*3.6E-07	3.6E-07	3.6E-07	4.8E-06	4.8E-06	1.8E-06	2.2E-06	3.1E-06	3.1E-06	3.7E-06	3.7E-06	4.8E-06	4.0E-06	3.6E-07
.4	5.2E-07	4.9E-07	4.9E-07	*4.9E-07	4.9E-07	5.2E-06	5.2E-06	2.1E-06	3.0E-06	3.6E-06	3.5E-06	4.1E-06	4.1E-06	5.2E-06	4.4E-06	4.9E-07
.4	*6.6E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	5.5E-06	5.5E-06	2.4E-06	3.3E-06	3.8E-06	3.8E-06	4.4E-06	4.4E-06	5.5E-06	4.7E-06	*6.2E-07
.5	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	6.2E-06	6.2E-06	5.5E-06	4.6E-06	*4.9E-06	3.4E-06	5.2E-06	5.2E-06	6.2E-06	5.5E-06	1.1E-06
.5	1.3E-06	1.2E-06	1.2E-06	1.2E-06	*1.2E-06	6.3E-06	6.3E-06	6.0E-06	4.8E-06	5.3E-06	3.6E-06	5.3E-06	5.3E-06	6.3E-06	5.6E-06	1.2E-06
.5	1.6E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	6.4E-06	6.4E-06	6.4E-06	5.0E-06	5.5E-06	*4.5E-06	5.5E-06	5.5E-06	6.4E-06	5.7E-06	1.4E-06
.5	1.8E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	6.7E-06	7.0E-06	7.0E-06	5.4E-06	6.2E-06	6.2E-06	*5.6E-06	5.6E-06	*6.4E-06	5.9E-06	1.7E-06
.6	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	6.6E-06	7.0E-06	7.0E-06	*5.7E-06	6.6E-06	6.6E-06	5.7E-06	*6.1E-06	6.3E-06	*5.9E-06	2.1E-06
.6	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	6.3E-06	6.7E-06	*6.7E-06	6.0E-06	6.3E-06	6.5E-06	5.6E-06	6.3E-06	6.1E-06	5.7E-06	2.7E-06
.7	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	6.2E-06	*6.5E-06	6.9E-06	5.9E-06	6.2E-06	6.4E-06	5.9E-06	6.2E-06	6.0E-06	5.7E-06	2.7E-06
.7	2.6E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	*6.1E-06	6.4E-06	6.7E-06	6.9E-06	6.4E-06	6.3E-06	5.8E-06	6.3E-06	5.9E-06	5.6E-06	2.8E-06
1.0	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	4.5E-06	4.5E-06	4.3E-06	4.8E-06	4.6E-06	4.4E-06	4.4E-06	4.4E-06	4.2E-06	4.4E-06	2.8E-06
1.5	2.0E-06	2.3E-06	2.0E-06	2.0E-06	2.0E-06	2.5E-06	2.5E-06	2.6E-06	2.6E-06	2.6E-06	2.5E-06	2.6E-06	2.6E-06	2.6E-06	2.5E-06	2.0E-06
2.0	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.4E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.7E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.4E-06
2.5	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
3.0	8.3E-07	8.3E-07	8.3E-07	8.2E-07	8.3E-07	8.2E-07	8.2E-07	8.3E-07	8.3E-07	8.4E-07	8.4E-07	8.3E-07	8.3E-07	8.3E-07	8.2E-07	8.4E-07
3.5	6.4E-07	6.4E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07
4.0	5.1E-07	5.1E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07
4.5	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.2E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
5.0	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.5E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07
6.0	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07
7.0	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
8.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
9.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
10.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
15.0	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08
20.0	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08
25.0	2.0E-08	2.0E-08	2.0E-08	2.0E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08
30.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
40.0	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09
50.0	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09
MAX CONC	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	6.7E-06	7.0E-06	7.0E-06	6.9E-06	6.6E-06	6.6E-06	5.9E-06	6.3E-06	6.4E-06	5.9E-06	2.8E-06
DIST(MI)	1.0	1.0	1.0	1.0	1.0	.5	.6	.6	.7	.6	.6	.7	.5	.5	.6	1.0

1

TABLE NO. QQ- 2

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	4.3E-07	*4.0E-07	*4.0E-07	4.0E-07	4.0E-07	4.3E-06	4.0E-06	1.8E-06	2.1E-06	2.9E-06	2.9E-06	3.4E-06	3.4E-06	4.3E-06	3.7E-06	4.0E-07
.4	5.5E-07	5.2E-07	5.2E-07	*5.2E-07	5.2E-07	4.5E-06	4.5E-06	2.0E-06	2.8E-06	3.2E-06	3.2E-06	3.6E-06	3.6E-06	4.5E-06	3.9E-06	5.2E-07
.4	*6.7E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	4.7E-06	4.7E-06	2.2E-06	3.0E-06	3.4E-06	3.4E-06	3.8E-06	3.8E-06	4.7E-06	4.1E-06	*6.3E-07
.5	1.0E-06	9.9E-07	9.9E-07	9.9E-07	9.9E-07	4.9E-06	4.9E-06	4.4E-06	3.8E-06	*3.9E-06	2.9E-06	4.1E-06	4.1E-06	4.9E-06	4.4E-06	9.9E-07
.5	1.2E-06	1.1E-06	1.1E-06	1.1E-06	*1.1E-06	4.9E-06	4.9E-06	4.7E-06	3.8E-06	4.2E-06	3.0E-06	4.2E-06	4.2E-06	4.9E-06	4.4E-06	1.1E-06
.5	1.3E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	4.8E-06	4.8E-06	4.8E-06	3.9E-06	4.2E-06	*3.5E-06	4.2E-06	4.2E-06	4.8E-06	4.4E-06	1.2E-06
.5	1.5E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	4.9E-06	5.1E-06	5.1E-06	4.0E-06	4.6E-06	4.6E-06	*4.2E-06	4.2E-06	*4.8E-06	4.4E-06	1.4E-06
.6	1.7E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	4.7E-06	4.8E-06	4.8E-06	*4.1E-06	4.7E-06	4.7E-06	4.1E-06	*4.4E-06	4.5E-06	*4.2E-06	1.6E-06
.6	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	4.4E-06	4.6E-06	*4.6E-06	4.2E-06	4.4E-06	4.6E-06	3.9E-06	4.4E-06	4.3E-06	4.0E-06	2.0E-06
.7	1.9E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	4.3E-06	*4.5E-06	4.7E-06	4.1E-06	4.3E-06	4.4E-06	4.1E-06	4.3E-06	4.2E-06	3.9E-06	2.0E-06
.7	1.9E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	*4.2E-06	4.4E-06	4.5E-06	4.6E-06	4.4E-06	4.3E-06	4.0E-06	4.3E-06	4.1E-06	3.9E-06	2.1E-06
1.0	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.8E-06	2.8E-06	2.8E-06	2.7E-06	2.8E-06	1.9E-06
1.5	1.3E-06	1.5E-06	1.2E-06	1.2E-06	1.2E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.3E-06
2.0	9.7E-07	9.9E-07	9.9E-07	9.9E-07	8.6E-07	9.9E-07	9.9E-07	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	9.9E-07	8.8E-07
2.5	7.0E-07	6.9E-07	6.9E-07	6.9E-07	5.6E-07	6.9E-07	6.9E-07	6.9E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	6.9E-07	6.8E-07
3.0	5.1E-07	5.1E-07	5.1E-07	5.0E-07	5.0E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.2E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07
3.5	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	4.0E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	4.0E-07
4.0	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07
4.5	2.6E-07	3.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.6E-07	2.6E-07	2.5E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
5.0	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07
6.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
7.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
8.0	9.4E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.4E-08	9.3E-08	9.3E-08	9.3E-08	9.4E-08	9.4E-08	9.4E-08
9.0	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08
10.0	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08
15.0	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1F-08	3.1E-08
20.0	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
25.0	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
30.0	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	6.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	8.1E-09	9.[illegible]E-09
40.0	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09
50.0	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09
MAX CONC	1.9E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	4.9E-06	5.1E-06	5.1E-06	4.6E-06	4.7E-06	4.7E-06	4.2E-06	4.4E-06	4.9E-06	4.4E-06	2.1E-06
DIST(MI)	.7	.7	.7	.7	.7	.5	.5	.5	.7	.6	.6	.5	.6	.5	.5	.7

TABLE NO. DG- 3

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 7. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / STANCE ILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	3.8E-07	*3.6E-07	*3.6E-07	3.6E-07	3.6E-07	3.5E-06	3.3E-06	1.8E-06	1.8E-06	2.4E-06	2.4E-06	2.8E-06	2.8E-06	3.5E-06	3.0E-06	3.6E-07
.4	4.8E-07	4.5E-07	4.5E-07	*4.5E-07	4.5E-07	3.7E-06	3.7E-06	1.7E-06	2.3E-06	2.6E-06	2.6E-06	3.0E-06	3.0E-06	3.7E-06	3.2E-06	4.5E-07
.4	*5.7E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	3.7E-06	3.7E-06	1.8E-06	2.4E-06	2.7E-06	2.7E-06	3.1E-06	3.1E-06	3.7E-06	3.3E-06	*5.4E-07
.5	8.6E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	3.8E-06	3.8E-06	3.4E-06	3.0E-06	*3.1E-06	2.3E-06	3.3E-06	3.3E-06	3.8E-06	3.4E-06	8.2E-07
.5	9.4E-07	9.0E-07	9.0E-07	9.0E-07	*9.0E-07	3.8E-06	3.8E-06	3.6E-06	3.0E-06	3.3E-06	2.4E-06	3.3E-06	3.3E-06	3.8E-06	3.4E-06	9.0E-07
.5	1.0E-06	9.8E-07	9.8E-07	9.8E-07	9.8E-07	3.7E-06	3.7E-06	3.7E-06	3.0E-06	3.3E-06	*2.8E-06	3.3E-06	3.3E-06	3.7E-06	3.4E-06	9.8E-07
.5	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	3.8E-06	3.9E-06	3.9E-06	3.1E-06	3.5E-06	3.5E-06	*3.2E-06	3.2E-06	*3.6E-06	3.4E-06	1.1E-06
.6	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.5E-06	3.7E-06	3.7E-06	*3.1E-06	3.5E-06	3.5E-06	3.1E-06	*3.3E-06	3.4E-06	*3.2E-06	1.3E-06
.6	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	3.3E-06	3.4E-06	*3.4E-06	3.1E-06	3.3E-06	3.4E-06	2.9E-06	3.3E-06	3.2E-06	3.0E-06	1.5E-06
.7	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	3.2E-06	*3.3E-06	3.5E-06	3.1E-06	3.2E-06	3.3E-06	3.1E-06	3.2E-06	3.1E-06	3.0E-06	1.5E-06
.7	1.5E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	*3.1E-06	3.3E-06	3.4E-06	3.4E-06	3.3E-06	3.2E-06	3.0E-06	3.2E-06	3.1E-06	2.9E-06	1.6E-06
1.0	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.2E-06	2.1E-06	2.0E-06	2.1E-06	2.0E-06	2.1E-06	1.4E-06
1.5	9.2E-07	1.1E-06	9.1E-07	9.1E-07	9.1E-07	1.1E-06	1.1E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06	9.4E-07
2.0	7.0E-07	7.1E-07	7.2E-07	7.2E-07	6.3E-07	7.2E-07	7.2E-07	7.2E-07	7.3E-07	7.4E-07	7.2E-07	7.3E-07	7.3E-07	7.3E-07	7.2E-07	6.4E-07
2.5	5.1E-07	5.0E-07	5.0E-07	5.0E-07	4.8E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.1E-07	5.1E-07	5.0E-07	5.0E-07	5.1E-07	5.0E-07	4.9E-07
3.0	3.7E-07	3.7E-07	3.7E-07	3.6E-07	3.6E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07
3.5	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.9E-07	2.9E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07
4.0	2.3E-07	2.3E-07	2.2E-07	2.2E-07	2.3E-07	2.2E-07	2.2E-07	2.2E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07
4.5	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.9E-07	1.9E-07	1.8E-07	1.9E-07	1.9E-07	1.8E-07	1.9E-07
5.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
6.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
7.0	8.6E-08	8.6E-08	8.6E-08	8.5E-08	8.6E-08	8.6E-08	8.6E-08	8.5E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08
8.0	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08	6.8E-08
9.0	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08
0.0	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08
5.0	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08
0.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
5.0	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09
0.0	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09
0.0	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09
0.0	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09
AX ONC	1.5E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	3.8E-06	3.9E-06	3.9E-06	3.4E-06	3.5E-06	3.5E-06	3.3E-06	3.3E-06	3.8E-06	3.4E-06	1.6E-06
IST(MI)	.7	.7	.7	.7	.7	.5	.5	.5	.7	.6	.6	.5	.6	.5	.5	.7

TABLE NO. DG- 4

OTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 10. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	3.1E-07	*2.9E-07	*2.9E-07	2.9E-07	2.9E-07	2.7E-06	2.5E-06	1.2E-06	1.4E-06	1.9E-06	1.9E-06	2.2E-06	2.2E-06	2.7E-06	2.3E-06	[illegible]E-07
.4	3.8E-07	3.6E-07	3.6E-07	*3.6E-07	3.6E-07	2.8E-06	2.8E-06	1.3E-06	1.7E-06	2.0E-06	2.0E-06	2.3E-06	2.3E-06	2.8E-06	2.4E-06	3.6E-07
.4	*4.5E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	2.8E-06	.8E-06	1.4E-06	1.8E-06	2.1E-06	2.1E-06	2.3E-06	2.3E-06	2.8E-06	2.5E-06	*4.3E-07
.5	6.6E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	2.8E-06	2.8E-06	2.5E-06	2.2E-06	*2.3E-06	1.7E-06	2.4E-06	2.4E-06	2.8E-06	2.5E-06	6.3E-07
.5	7.2E-07	6.9E-07	6.9E-07	6.9E-07	*6.9E-07	2.8E-06	2.8E-06	2.7E-06	2.2E-06	2.4E-06	1.8E-06	2.4E-06	2.4E-06	2.8E-06	2.5E-06	6.9E-07
.5	7.7E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	2.8E-06	2.8E-06	2.8E-06	2.2E-06	2.4E-06	*2.0E-06	2.4E-06	2.4E-06	2.8E-06	2.5E-06	7.4E-07
.5	8.7E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	2.7E-06	2.8E-06	2.8E-06	2.3E-06	2.6E-06	2.6E-06	*2.4E-06	2.4E-06	*2.7E-06	2.5E-06	8.4E-07
.6	9.8E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	2.6E-06	2.7E-06	2.7E-06	*2.3E-06	2.6E-06	2.6E-06	2.3E-06	*2.4E-06	2.6E-06	*2.3E-06	9.5E-07
.6	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	2.4E-06	2.5E-06	*2.5E-06	2.3E-06	2.4E-06	2.4E-06	2.1E-06	2.4E-06	2.3E-06	2.2E-06	1.1E-06
.7	1.1E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	2.3E-06	*2.4E-06	2.5E-06	2.2E-06	2.3E-06	2.4E-06	2.2E-06	2.3E-06	2.3E-06	2.1E-06	1.1E-06
.7	1.1E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	*2.2E-06	2.3E-06	2.4E-06	2.5E-06	2.3E-06	2.3E-06	2.2E-06	2.3E-06	2.2E-06	2.1E-06	1.2E-06
1.0	9.7E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.4E-06	1.5E-06	1.0E-06
1.5	6.5E-07	7.5E-07	6.5E-07	6.5E-07	6.5E-07	8.1E-07	8.1E-07	8.2E-07	8.3E-07	8.2E-07	8.1E-07	8.2E-07	8.2E-07	8.2E-07	8.0E-07	6.6E-07
2.0	5.0E-07	5.0E-07	5.1E-07	5.1E-07	4.4E-07	5.1E-07	5.1E-07	5.1E-07	5.2E-07	5.2E-07	5.1E-07	5.2E-07	5.2E-07	5.2E-07	5.1E-07	4.5E-07
2.5	3.6E-07	3.5E-07	3.5E-07	3.5E-07	3.4E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.6E-07	3.6E-07	3.5E-07	3.5E-07	3.6E-07	3.5E-07	3.5E-07
3.0	2.6E-07	2.6E-07	2.8E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
3.5	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
4.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
4.5	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
5.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
6.0	8.0E-08	8.0E-08	7.9E-08	7.9E-08	7.9E-08	7.9E-08	7.9E-08	7.9E-08	7.9E-08	8.0E-08	8.0E-08	7.9E-08	8.0E-08	8.0E-08	8.0E-08	8.0E-08
7.0	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08
8.0	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08
9.0	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08
10.0	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08
15.0	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08
20.0	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-08	9.8E-09
25.0	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-08	6.7E-09	6.7E-09	6.7E-09	6.7E-09	6.7E-09
30.0	4.8E-09	4.8E-09	4.8E-09	4.8E-09	4.8E-09	4.8E-09	4.8E-09	4.8E-09	4.8E-09	4.8E-09	4.8E-09	4.8E-09	4.8E-09	4.8E-09	4.8E-09	4.8E-09
40.0	2.9E-09	2.9E-09	2.9E-09	2.9E-09	2.9E-09	2.9E-09	2.9E-09	2.9E-09	2.9E-09	2.9E-09	2.9E-09	2.9E-09	2 9E-09	2.9E-09	2.9E-09	2.9E-09
50.0	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09
MAX CONC	1.1E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	2.8E-06	2.8E-06	2.8E-06	2.5E-06	2.6E-06	2.6E-06	2.4E-06	2.4E-06	2.8E-06	2.5E-06	1.2E-06
DIST(MI)	.7	.7	.7	.7	.7	.5	.5	.5	.7	.5	.5	.5	.5	.5	.5	.7

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. OQ- 5

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 13. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	2.5E-07	*2.4E-07	*2.4E-07	2.4E-07	2.4E-07	2.2E-06	2.0E-06	9.6E-07	1.1E-06	1.8E-06	1.8E-06	1.7E-06	1.7E-06	2.2E-06	1.9E-06	2.4E-07
.4	3.1E-07	2.9E-07	2.9E-07	*2.8E-07	2.9E-07	2.2E-06	2.2E-06	1.1E-06	1.4E-0[illegible]	1.6E-06	1.6E-06	1.8E-06	1.8E-06	2.2E-06	1.9E-06	2.9E-07
.4	*3.7E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	2.2E-06	3.2E-06	1.1E-06	1.5E-[illegible]	1.7E-06	1.7E-06	1.9E-06	1.9E-06	2.2E-06	2.0E-06	*3.5E-07
.5	5.3E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	2.2E-06	2.2E-06	2.0E-06	1.8E-06	*1.8E-06	1.4E-06	1.9E-06	1.9E-06	2.2E-06	2.0E-06	5.0E-07
.5	5.8E-07	5.5E-07	5.5E-07	5.5E-07	*5.5E-07	2.2E-06	2.2E-06	2.1E-06	1.8E-06	1.8E-06	1.4E-06	1.9E-06	1.9E-06	2.2E-06	2.0E-06	5.5E-07
.5	6.2E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	2.2E-06	2.2E-06	2.2E-06	1.8E-06	1.8E-06	*1.6E-06	1.9E-06	1.9E-06	2.2E-06	2.0E-06	5.9E-07
.5	6.9E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	2.2E-06	2.2E-06	2.2E-06	1.8E-06	2.0E-06	2.0E-06	*1.9E-06	1.9E-06	*2.1E-06	1.9E-06	6.7E-07
.6	7.7E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	2.0E-06	2.1E-06	2.1E-06	*1.8E-06	2.0E-06	2.0E-06	1.8E-06	*1.9E-06	2.0E-06	*1.8E-06	7.5E-07
.6	8.2E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	1.8E-06	1.9E-06	*1.9E-06	1.8E-06	1.8E-06	1.9E-06	1.7E-06	1.8E-06	1.8E-06	1.7E-06	8.9E-07
.7	8.3E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	1.8E-06	*1.9E-06	2.0E-06	1.7E-06	1.8E-06	1.8E-06	1.7E-06	1.8E-06	1.8E-06	1.7E-06	9.0E-07
.7	8.4E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	*1.7E-06	1.8E-06	1.9E-06	1.9E-06	1.8E-06	1.8E-06	1.7E-06	1.8E-06	1.7E-06	1.6E-06	9.0E-07
1.0	7.5E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	1.1E-06	1.1E-06	1.1E-06	1.2E-06	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	7.8E-07
1.5	5.0E-07	5.8E-07	5.0E-07	5.0E-07	5.0E-07	6.2E-07	6.2E-07	6.3E-07	6.4E-07	6.3E-07	6.3E-07	6.3E-07	6.4E-07	6.3E-07	6.2E-07	5.1E-07
2.0	3.8E-07	3.9E-07	3.9E-07	3.9E-07	3.4E-07	3.9E-07	3.9E-07	3.9E-07	4.0E-07	4.0E-07	3.9E-07	4.0E-07	4.0E-07	4.0E-07	3.9E-07	3.5E-07
2.5	2.8E-07	2.7E-07	2.7E-07	2.7E-07	2.6E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.8E-07	2.8E-07	2.7E-07	2.7E-07	2.8E-07	2.7E-07	2.7E-07
3.0	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
3.5	1.6E-07	1.6E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	1.5E-07	1.5E-07	1.6E-07	1.6E-07	1.5E-07	1.5E-07	1.6E-07	1.6E-07	1.6E-07
4.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
4.5	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
5.0	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.5E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.5E-08
6.0	5.2E-08	6.2E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08
7.0	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08
8.0	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08
9.0	3.1E-08	3.1E-08	3.1E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08
10.0	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08
15.0	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
20.0	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09
25.0	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09	5.2E-09
30.0	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09
40.0	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09
50.0	1.6E-09	1.6E-09	1.6E-09	1.6E-09	1.6E-09	1.6E-09	1.6E-09	1.6E-09	1.6E-09	1.6E-09	1.6E-09	1.6E-09	1.6E-09	1.6E-09	1.6E-09	1.6E-09
MAX CONC	8.4E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	2.2E-06	2.2E-06	2.2E-06	1.9E-06	2.0E-06	2.0E-06	1.9E-06	1.9E-06	2.2E-06	2.0E-06	8.0E-07
DIST(MI)	.7	.7	.7	.7	.7	.4	.4	.5	.7	.5	.5	.5	.5	.4	.5	.7

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ- 6

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 16. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	2.1E-07	*2.0E-07	*2.0E-07	2.0E-07	2.0E-07	1.8E-06	1.7E-06	8.0E-07	9.4E-07	1.3E-06	1.3E-06	1.4E-06	1.4E-06	1.8E-06	1.5E-06	2.0E-07
.4	2.6E-07	2.4E-07	2.4E-07	*2.4E-07	2.4E-07	1.8E-06	1.8E-06	8.8E-07	1.2E-06	1.3E-06	1.3E-06	1.5E-06	1.5E-06	1.8E-06	1.6E-06	2.4E-07
.4	*3.1E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	1.8E-06	1.8E-06	9.4E-07	1.2E-06	1.4E-06	1.4E-06	1.5E-06	1.5E-06	1.8E-06	1.6E-06	*2.8E-07
.5	4.4E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	1.8E-06	1.8E-06	1.7E-06	1.4E-06	*1.5E-06	1.1E-06	1.6E-06	1.6E-06	1.8E-06	1.7E-06	4.2E-07
.5	4.8E-07	4.6E-07	4.6E-07	4.6E-07	*4.6E-07	1.8E-06	1.8E-06	1.7E-06	1.5E-06	1.6E-06	1.2E-06	1.6E-06	1.6E-06	1.8E-06	1.6E-06	4.6E-07
.5	5.1E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	1.8E-06	1.8E-06	1.8E-06	1.4E-06	1.6E-06	*1.3E-06	1.6E-06	1.6E-06	1.8E-06	1.6E-06	4.9E-07
.5	5.7E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	1.8E-06	1.8E-06	1.8E-06	1.5E-06	1.7E-06	1.7E-06	*1.5E-06	1.5E-06	*1.7E-06	1.6E-06	5.5E-07
.6	6.4E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	1.6E-06	1.7E-06	1.7E-06	*1.5E-06	1.6E-06	1.6E-06	1.5E-06	*1.6E-06	1.6E-06	*1.5E-06	6.2E-07
.6	6.7E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	1.5E-06	1.6E-06	*1.6E-06	1.4E-06	1.5E-06	1.5E-06	1.4E-06	1.5E-06	1.5E-06	1.4E-06	7.4E-07
.7	6.8E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	1.5E-06	1.5E-06	1.6E-06	1.4E-06	1.5E-06	1.5E-06	1.4E-06	1.5E-06	1.4E-06	1.4E-06	7.4E-07
.7	6.9E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	*1.4E-06	1.5E-06	1.5E-06	1.6E-06	1.5E-06	1.5E-06	1.4E-06	1.5E-06	1.4E-06	1.3E-06	7.4E-07
1.0	6.2E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	9.4E-07	9.4E-07	9.4E-07	9.5E-07	9.6E-07	9.3E-07	9.2E-07	9.3E-07	9.0E-07	9.3E-07	6.4E-07
1.5	4.1E-07	4.7E-07	4.1E-07	4.1E-07	4.1E-07	5.1E-07	5.1E-07	5.1E-07	5.2E-07	5.1E-07	5.1E-07	5.2E-07	5.2E-07	5.1E-07	5.0E-07	4.2E-07
2.0	3.1E-07	3.2E-07	3.2E-07	3.2E-07	2.8E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.3E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	2.8E-07
2.5	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.1E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.3E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
3.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.7E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
3.5	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
4.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
4.5	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.2E-08	8.3E-08	8.3E-08	8.2E-08	8.3E-08	8.3E-08	8.2E-08	8.3E-08
5.0	6.9E-08	6.9E-08	6.9E-08	6.8E-08	6.9E-08	6.8E-08	6.8E-08	6.8E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.8E-08
6.0	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08
7.0	3.9E-08	3.9E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.9E-08	3.8E-08	3.9E-08	3.9E-08	3.8E-08	3.9E-08	3.9E-08
8.0	3.1E-08	3.1E-08	3.1E-08	3.0E-08	3.1E-08	3.0E-08	3.0E-08	3.0E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08
9.0	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.6E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.6E-08	2.5E-08	2.5E-08	2.5E-08
10.0	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08
15.0	1.0E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
20.0	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09	6.3E-09
25.0	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09	4.3E-09
30.0	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09	3.1E-09
40.0	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.8E-09	1.9E-09	1.9E-09
50.0	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	..3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09
MAX CONC	6.9E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	1.8E-06	1.8E-06	1.8E-06	1.6E-06	1.7E-06	1.7E-06	1.6E-06	1.6E-06	1.8E-06	1.7E-06	7.4E-07
DIST(MI)	.7	.7	.7	.7	.7	.4	.4	.5	.7	.5	.5	.5	.5	.4	.5	.7

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ- 7

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 18. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DISTANCE MILES	DOWN WIND SECTOR BEARING															
	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	2.3E-14	*1.5E-14	*1.5E-14	1.5E-14	1.5E-14	1.1E-08	7.5E-09	8.0E-11	2.1E-10	1.3E-09	1.3E-09	2.9E-09	2.9E-09	1.1E-08	4.4E-09	1.5E-14
.4	1.1E-13	7.4E-14	7.4E-14	*7.4E-14	7.4E-14	1.9E-08	1.9E-08	2.0E-10	1.1E-09	2.5E-09	2.5E-09	5.5E-09	5.5E-09	1.9E-08	8.0E-09	7.4E-14
.4	*4.0E-13	2.8E-13	2.8E-13	2.8E-13	2.8E-13	2.9E-08	2.9E-08	4.3E-10	2.1E-09	4.5E-09	4.5E-09	9.3E-09	9.3E-09	2.9E-08	1.3E-08	*2.8E-13
.5	9.4E-12	7.0E-12	7.0E-12	7.0E-12	7.0E-12	8.3E-08	8.3E-08	4.4E-08	1.8E-08	*2.5E-08	3.8E-09	3.3E-08	3.3E-08	8.3E-08	4.4E-08	7.0E-12
.5	2.1E-11	1.6E-11	1.6E-11	1.6E-11	*1.6E-11	1.1E-07	1.1E-07	8.4E-08	2.6E-08	4.5E-08	5.9E-09	4.5E-08	4.5E-08	1.1E-07	5.9E-08	1.6E-11
.5	4.4E-11	3.4E-11	3.4E-11	3.4E-11	3.4E-11	1.4E-07	1.4E-07	1.4E-07	3.6E-08	6.0E-08	*2.1E-08	6.0E-08	6.0E-08	1.4E-07	7.8E-08	3.4E-11
.5	1.6E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	2.5E-07	3.1E-07	3.1E-07	7.9E-08	1.7E-07	1.7E-07	*9.9E-08	9.9E-08	*2.0E-07	1.2E-07	1.3E-10
.6	7.3E-10	6.0E-10	6.0E-10	6.0E-10	6.0E-10	3.9E-07	5.5E-07	5.5E-07	*1.8E-07	3.9E-07	3.9E-07	1.8E-07	*2.7E-07	3.3E-07	*2.1E-07	6.0E-10
.6	2.3E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	5.4E-07	7.2E-07	*7.2E-07	3.9E-07	5.4E-07	6.2E-07	2.7E-07	5.4E-07	4.6E-07	3.2E-07	4.1E-09
.7	3.2E-09	2.7E-09	2.7E-09	2.7E-09	2.7E-09	5.9E-07	*7.7E-07	1.0E-06	4.4E-07	5.9E-07	6.7E-07	4.4E-07	5.9E-07	5.1E-07	3.5E-07	5.6E-09
.7	4.3E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	*6.3E-07	8.3E-07	1.1E-06	1.2E-06	8.3E-07	7.2E-07	4.8E-07	7.2E-07	5.5E-07	3.9E-07	7.3E-09
1.0	7.6E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	1.6E-06	1.6E-06	1.6E-06	1.7E-06	1.9E-06	1.5E-06	1.4E-06	1.5E-06	1.2E-06	1.5E-06	1.0E-07
1.5	3.0E-07	8.9E-07	2.9E-07	2.9E-07	2.9E-07	1.5E-06	1.5E-06	1.7E-06	1.9E-06	1.7E-06	1.6E-06	1.7E-06	1.8E-06	1.7E-06	1.5E-06	3.5E-07
2.0	1.1E-06	1.1E-06	1.2E-06	1.2E-06	4.2E-07	1.2E-06	1.2E-06	1.3E-06	1.4E-06	1.5E-06	1.3E-06	1.4E-06	1.4E-06	1.4E-06	1.2E-06	4.8E-07
2.5	1.1E-06	1.0E-06	1.0E-06	9.6E-07	7.0E-07	9.8E-07	9.8E-07	1.0E-06	1.1E-06	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	9.6E-07	9.1E-07
3.0	8.8E-07	8.4E-07	8.4E-07	7.8E-07	7.7E-07	7.9E-07	9.0E-07	8.4E-07	8.5E-07	9.4E-07	8.9E-07	8.5E-07	8.5E-07	8.9E-07	8.2E-07	8.9E-07
3.5	7.1E-07	7.1E-07	6.8E-07	6.4E-07	6.6E-07	6.5E-07	6.6E-07	6.8E-07	6.9E-07	7.5E-07	7.3E-07	6.9E-07	6.9E-07	7.1E-07	7.1E-07	7.4E-07
4.0	5.9E-07	5.9E-07	5.7E-07	5.5E-07	5.7E-07	5.5E-07	5.5E-07	5.7E-07	5.7E-07	6.2E-07	6.1E-07	5.8E-07	5.9E-07	5.9E-07	5.9E-07	6.0E-07
4.5	5.0E-07	5.0E-07	4.8E-07	4.8E-07	4.9E-07	4.6E-07	4.7E-07	4.8E-07	4.8E-07	5.2E-07	5.1E-07	4.9E-07	5.1E-07	5.1E-07	5.0E-07	5.1E-07
5.0	4.3E-07	4.3E-07	4.2E-07	4.1E-07	4.2E-07	4.0E-07	4.0E-07	4.1E-07	4.2E-07	4.4E-07	4.3E-07	4.3E-07	4.4E-07	4.4E-07	4.3E-07	4.4E-07
6.0	3.3E-07	3.3E-07	3.2E-07	3.1E-07	3.2E-07	3.1E-07	3.2E-07	3.1E-07	3.2E-07	3.3E-07	3.3E-07	3.2E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07
7.0	2.6E-07	2.6E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
8.0	2.1E-07	2.1E-07	2.1E-07	2.0E-07	2.1E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07
9.0	1.8E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.8E-07	1.7E-07	1.7E-07	1.7E-07	1.8E-07	1.8E-07	1.8E-07
10.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
15.0	7.8E-08	7.8E-08	7.8E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08
20.0	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08
25.0	3.5E-08	3.5E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08	3.5E-08
30.0	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08
40.0	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08
50.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
MAX CONC	1.1E-06	1.1E-06	1.2E-06	1.2E-06	7.7E-07	1.6E-06	1.6E-06	1.7E-06	1.9E-06	1.9E-06	1.6E-06	1.7E-06	1.8E-06	1.7E-06	1.5E-06	9.1E-07
DIST(MI)	2.5	2.0	2.0	2.0	3.0	1.0	1.0	1.5	1.5	1.0	1.5	1.5	1.5	1.5	1.0	2.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ- 8

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 22. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	2.2E-14	*1.4E-14	*1.4E-14	1.4E-14	1.4E-14	9.8E-09	6.7E-09	7.3E-11	1.9E-10	1.1E-09	1.1E-09	2.6E-09	2.6E-09	9.8E-09	3.9E-09	1.4E-14
.4	1.0E-13	6.8E-14	6.8E-14	*6.8E-14	6.8E-14	1.6E-08	1.6E-08	1.8E-10	1.0E-09	2.2E-09	2.2E-09	4.9E-09	4.9E-09	1.6E-08	7.1E-09	6.8E-14
.4	*3.7E-13	2.6E-13	2.6E-13	2.6E-13	2.6E-13	2.5E-08	2.5E-08	3.8E-10	1.9E-09	4.0E-09	4.0E-09	8.2E-09	8.2E-09	2.5E-08	1.2E-08	*2.6E-13
.5	8.4E-12	6.3E-12	6.3E-12	6.3E-12	6.3E-12	7.1E-08	7.1E-08	3.9E-08	1.6E-08	*2.1E-08	3.3E-09	2.9E-08	2.9E-08	7.1E-08	3.8E-08	6.3E-12
.5	1.9E-11	1.4E-11	1.4E-11	1.4E-11	*1.4E-11	9.3E-08	9.3E-08	7.2E-08	2.3E-08	3.9E-08	5.2E-09	3.9E-08	3.9E-08	9.3E-08	5.1E-08	1.4E-11
.5	3.9E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	1.2E-07	1.2E-07	1.2E-07	3.1E-08	5.2E-08	*1.8E-08	5.2E-08	5.2E-08	1.2E-07	6.7E-08	3.0E-11
.5	1.4E-10	1.1E-10	1.1E-10	1.1E-10	1.1E-10	2.1E-07	2.6E-07	2.6E-07	6.8E-08	1.4E-07	1.4E-07	*8.5E-08	8.5E-08	*1.7E-07	1.1E-07	1.1E-10
.6	6.3E-10	5.2E-10	5.2E-10	5.2E-10	5.2E-10	3.3E-07	4.6E-07	4.6E-07	*1.6E-07	3.3E-07	3.3E-07	1.5E-07	*2.3E-07	2.8E-07	*1.8E-07	5.2E-10
.6	2.0E-09	1.7E-09	1.7E-09	1.7E-09	1.7E-09	4.5E-07	6.1E-07	*6.1E-07	3.3E-07	4.5E-07	5.2E-07	2.3E-07	4.5E-07	3.9E-07	2.7E-07	3.5E-09
.7	2.8E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	4.9E-07	*6.5E-07	8.5E-07	3.7E-07	4.9E-07	5.7E-07	3.7E-07	4.9E-07	4.3E-07	3.0E-07	4.8E-09
.7	3.7E-09	3.2E-09	3.2E-08	3.2E-09	3.2E-09	*5.3E-07	7.0E-07	9.0E-07	1.0E-06	7.0E-07	6.1E-07	4.0E-07	6.1E-07	4.6E-07	3.3E-07	6.3E-09
1.0	6.4E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	1.3E-06	1.3E-06	1.3E-06	1.4E-06	1.6E-06	1.2E-06	1.2E-06	1.2E-06	1.0E-06	1.2E-06	8.6E-08
1.5	2.5E-07	7.4E-07	2.4E-07	2.4E-07	2.4E-07	1.2E-06	1.2E-06	1.4E-06	1.6E-06	1.4E-06	1.3E-06	1.4E-06	1.5E-06	1.4E-06	1.2E-06	2.9E-07
2.0	8.6E-07	9.4E-07	9.8E-07	9.8E-07	3.5E-07	1.0E-06	1.0E-06	1.1E-06	1.2E-06	1.3E-06	1.1E-06	1.1E-06	1.2E-06	1.1E-06	9.8E-07	4.0E-07
2.5	9.2E-07	8.3E-07	8.3E-07	7.9E-07	5.8E-07	8.0E-07	8.0E-07	8.4E-07	8.9E-07	9.6E-07	9.3E-07	8.8E-07	8.9E-07	9.3E-07	7.8E-07	7.5E-07
3.0	7.2E-07	6.9E-07	6.9E-07	6.4E-07	6.3E-07	6.5E-07	6.6E-07	6.9E-07	7.0E-07	7.7E-07	7.3E-07	6.9E-07	7.0E-07	7.3E-07	6.7E-07	7.3E-07
3.5	5.8E-07	5.6E-07	5.6E-07	5.3E-07	5.4E-07	5.3E-07	5.4E-07	5.6E-07	5.7E-07	6.2E-07	6.0E-07	5.6E-07	5.7E-07	5.8E-07	5.8E-07	6.0E-07
4.0	4.8E-07	4.9E-07	4.5E-07	4.5E-07	4.7E-07	4.5E-07	4.5E-07	4.6E-07	4.7E-07	5.1E-07	5.0E-07	4.8E-07	4.9E-07	4.9E-07	4.8E-07	4.9E-07
4.5	4.1E-07	4.1E-07	4.0E-07	3.9E-07	4.0E-07	3.8E-07	3.8E-07	3.9E-07	4.0E-07	4.3E-07	4.2E-07	4.1E-07	4.2E-07	4.2E-07	4.1E-07	4.2E-07
5.0	3.5E-07	3.5E-07	3.4E-07	3.4E-07	3.4E-07	3.3E-07	3.3E-07	3.4E-07	3.4E-07	3.6E-07	3.6E-07	3.5E-07	3.6E-07	3.6E-07	3.5E-07	3.6E-07
6.0	2.7E-07	2.7E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
7.0	2.1E-07	2.1E-07	2.1E-07	2.0E-07	2.1E-07	2.1E-07	2.1E-07	2.0E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07
8.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
9.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
10.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
15.0	6.4E-08	6.4E-08	6.4E-08	6.4E-08	6.4E-08	6.3E-08	6.3E-08	6.3E-08	6.4E-08	6.4E-08	6.4E-08	6.4E-08	6.4E-08	6.4E-08	6.4E-08	6.4E-08
20.0	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.0E-08	4.0E-08	4.0E-08	4.0E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08
25.0	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08
30.0	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08	2.1E-08
40.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
50.0	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09
MAX CONC	9.2E-07	9.4E-07	9.8E-07	9.8E-07	6.3E-07	1.3E-06	1.3E-06	1.4E-06	1.6E-06	1.6E-06	1.3E-06	1.4E-06	1.5E-06	1.4E-06	1.2E-06	7.5E-07
DIST(MI)	2.5	2.0	2.0	2.0	3.0	1.0	1.0	1.5	1.5	1.0	1.5	1.5	1.5	1.5	1.0	2.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ- 9

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 27. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	2.0E-14	*1.3E-14	*1.3E-14	1.3E-14	1.3E-14	8.5E-09	8.5E-09	6.4E-11	1.7E-10	9.9E-10	9.9E-10	2.3E-09	2.3E-09	8.5E-09	3.4E-09	1.3E-14
.4	9.0E-14	6.1E-14	6.1E-14	*6.1E-14	6.1E-14	1.4E-08	1.4E-08	1.6E-10	8.7E-10	2.0E-09	2.0E-09	4.2E-09	4.2E-09	1.4E-08	6.1E-09	6.1E-14
.4	*3.3E-13	2.3E-13	2.3E-13	2.3E-13	2.3E-13	2.2E-08	2.2E-08	3.3E-10	1.6E-09	3.5E-09	3.5E-09	7.1E-09	7.1E-09	2.2E-08	1.0E-08	*2.3E-13
.5	7.4E-12	5.5E-12	5.5E-12	5.5E-12	5.5E-12	6.1E-08	6.1E-08	3.2E-08	1.4E-08	*1.8E-08	2.8E-09	2.4E-08	2.4E-08	6.1E-08	3.2E-08	5.5E-12
.5	1.6E-11	1.3E-11	1.3E-11	1.3E-11	*1.3E-11	7.9E-08	7.9E-08	6.1E-08	1.9E-08	3.3E-08	4.4E-09	3.3E-08	3.3E-08	7.9E-08	4.4E-08	1.3E-11
.5	3.4E-11	2.6E-11	2.6E-11	2.6E-11	2.6E-11	9.9E-08	9.9E-08	9.9E-08	2.6E-08	4.4E-08	*1.5E-08	4.4E-08	4.4E-08	9.9E-08	5.7E-08	2.6E-11
.5	1.2E-10	9.6E-11	9.6E-11	9.6E-11	9.6E-11	1.8E-07	2.2E-07	2.2E-07	5.7E-08	1.2E-07	1.2E-07	*7.2E-08	7.2E-08	*1.5E-07	9.0E-08	9.6E-11
.6	5.4E-10	4.4E-10	4.4E-10	4.4E-10	4.4E-10	2.8E-07	3.9E-07	3.9E-07	*1.3E-07	2.8E-07	2.8E-07	1.3E-07	*1.9E-07	2.3E-07	*1.5E-07	4.4E-10
.6	1.7E-09	1.4E-09	1.4E-09	1.4E-09	1.4E-09	3.8E-07	5.1E-07	*5.1E-07	2.8E-07	3.8E-07	4.4E-07	1.9E-07	3.8E-07	3.2E-07	2.2E-07	3.0E-09
.7	2.3E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	4.1E-07	*5.4E-07	7.1E-07	3.1E-07	4.1E-07	4.7E-07	3.1E-07	4.1E-07	3.6E-07	2.5E-07	4.1E-09
.7	3.1E-09	2.7E-09	2.7E-09	2.7E-09	2.7E-09	*4.4E-07	5.8E-07	7.5E-07	8.4E-07	5.8E-07	5.1E-07	3.4E-07	5.1E-07	3.9E-07	2.8E-07	5.3E-09
1.0	5.3E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	1.1E-06	1.1E-06	1.1E-06	1.2E-06	1.3E-06	1.0E-06	9.5E-07	1.0E-06	8.2E-07	1.0E-06	7.1E-08
1.5	2.0E-07	6.1E-07	2.0E-07	2.0E-07	2.0E-07	1.0E-06	1.0E-06	1.1E-06	1.3E-06	1.1E-06	1.1E-06	1.2E-06	1.2E-06	1.1E-06	9.8E-07	2.4E-07
2.0	7.1E-07	7.7E-07	8.0E-07	8.0E-07	2.9E-07	8.2E-07	8.2E-07	8.8E-07	9.5E-07	1.0E-06	8.8E-07	9.3E-07	9.5E-07	9.3E-07	8.0E-07	3.2E-07
2.5	7.8E-07	6.8E-07	6.8E-07	6.4E-07	4.7E-07	6.6E-07	6.6E-07	6.9E-07	7.3E-07	7.9E-07	7.6E-07	7.2E-07	7.3E-07	7.6E-07	6.4E-07	6.1E-07
3.0	5.9E-07	5.6E-07	5.6E-07	5.2E-07	5.2E-07	5.3E-07	5.4E-07	5.6E-07	5.7E-07	6.3E-07	6.0E-07	5.7E-07	5.7E-07	5.9E-07	5.5E-07	6.0E-07
3.5	4.8E-07	4.8E-07	4.6E-07	4.3E-07	4.4E-07	4.4E-07	4.4E-07	4.6E-07	4.6E-07	5.0E-07	4.9E-07	4.6E-07	4.6E-07	4.8E-07	4.8E-07	4.9E-07
4.0	3.9E-07	4.0E-07	3.8E-07	1.7E-07	3.8E-07	3.7E-07	3.7E-07	3.8E-07	3.8E-07	4.2E-07	4.1E-07	3.9E-07	4.0E-07	4.0E-07	3.9E-07	4.0E-07
4.5	3.4E-07	3.3E-07	3.2E-07	3.2E-07	3.3E-07	3.1E-07	3.1E-07	3.2E-07	3.2E-07	3.5E-07	3.4E-07	3.3E-07	3.4E 07	3.4E-07	3.4E-07	3.4E-07
5.0	2.9E-07	2.9E-07	2.8E-07	2.7E-07	2.8E-07	2.7E-07	2.7E-07	2.8E-07	2.8E-07	3.0E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07
6.0	2.2E-07	2.2E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
7.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
8.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
9.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.1E-07	1.1E-07	1.1E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
10.0	1.0E-07	1.0E-07	9.9E-08	9.8E-08	9.8E-08	9.8E-08	9.8E-08	9.7E-08	9.8E-08	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
15.0	5.3E-08	5.3E-08	5.3E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.2E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08
20.0	3.4E-08	3.4E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08
25.0	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08
30.0	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08
40.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
50.0	7.9E-09	7.9E-09	7.9E-09	7.9E-09	7.9E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.9E-09	7.9E-09	7.9E-09	7.9E-09	7.9E-09	7.9E-09	7.9E-09
MAX CONC	7.8E-07	7.7E-07	8.0E-07	8.0E-07	5.2E-07	1.1E-06	1.1E-06	1.1E-06	1.3E-06	1.3E-06	1.1E-06	1.2E-06	1.2E-06	1.1E-06	1.0E-06	6.1E-07
DIST(MI)	2.5	2.0	2.0	2.0	3.0	1.0	1.0	1.5	1.5	1.0	1.5	1.5	1.5	1.5	1.0	2.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ-10

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 1. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.9E-13	2.6E-15	0.	0.	0.	0.	5.5E-15
4.0	9.9E-15	3.6E-14	0.	0.	0.	0.	0.	0.	0.	4.8E-11	1.7E-12	2.6E-15	3.6E-14	3.5E-14	9.9E-15	2.9E-13
4.5	3.1E-12	9.1E-13	1.7E-14	5.0E-15	5.5E-14	0.	0.	9.3E-15	3.1E-14	9.5E-10	2.4E-11	3.0E-13	2.4E-11	6.3E-11	3.1E-12	3.9E-11
5.0	7.4E-11	1.0E-11	1.5E-12	1.2E-13	9.3E-13	1.4E-14	2.4E-14	2.0E-13	9.3E-13	1.9E-07	1.7E-10	3.0E-11	4.0E-10	4.0E-10	3.0E-11	2.9E-09
6.0	7.1E-09	3.8E-09	7.0E-11	9.8E-12	4.8E-11	6.5E-12	2.2E-11	1.5E-11	4.8E-11	6.2E-07	2.7E-09	1.0E-09	4.2E-08	1.3E-08	4.2E-08	2.4E-08
7.0	3.5E-07	2.1E-08	1.2E-09	1.8E-10	1.9E-09	3.4E-10	3.4E-10	2.4E-10	6.3E-10	1.3E-06	1.6E-08	3.5E-08	1.5E-07	9.3E-08	2.4E-06	3.3E-06
8.0	7.0E-07	1.1E-07	4.5E-08	2.2E-09	9.5E-09	2.2E-09	2.2E-09	1.7E-09	3.8E-09	2.0E-06	1.7E-07	2.3E-07	3.4E-07	1.9E-06	3.4E-06	4.5E-06
9.0	7.5E-06	8.5E-07	1.1E-07	1.4E-08	3.0E-08	8.9E-09	8.9E-09	7.1E-09	1.4E-08	2.8E-06	8.5E-07	4.8E-07	6.2E-07	5.5E-06	1.0E-05	1.0E-05
10.0	8.2E-06	1.3E-06	2.2E-07	3.6E-08	7.0E-08	2.5E-08	2.5E-08	2.0E-08	3.6E-08	3.5E-06	1.5E-06	2.1E-06	1.3E-06	6.3E-06	1.1E-05	1.1E-05
15.0	8.8E-06	3.1E-06	1.1E-06	6.9E-07	6.1E-07	3.4E-07	3.4E-07	3.0E-07	4.2E-07	5.5E-06	3.8E-06	5.4E-06	3.8E-06	7.6E-06	1.0E-05	1.0E-05
20.0	7.8E-06	4.4E-06	2.0E-06	2.0E-06	1.3E-06	8.8E-07	8.8E-07	8.2E-07	1.0E-06	5.7E-06	6.4E-06	5.6E-06	6.8E-06	7.0E-06	8.5E-06	8.5E-06
25.0	6.5E-06	4.3E-06	2.4E-06	2.4E-06	1.8E-06	1.3E-06	1.3E-06	1.3E-06	1.5E-06	5.2E-06	5.6E-06	8.1E-06	5.9E-06	6.1E-06	7.0E-06	7.0E-06
30.0	5.4E-06	3.9E-06	2.5E-06	2.5E-06	2.0E-06	1.6E-06	1.6E-06	1.5E-06	1.7E-06	4.5E-06	4.8E-06	6.4E-06	5.5E-06	5.1E-06	5.7E-06	5.7E-06
40.0	4.3E-06	[illegible].6E-06	2.1E-06	2.1E-06	1.8E-06	1.6E-06	1.6E-06	1.5E-06	1.7E-06	3.2E-06	4.2E-06	4.0E-06	4.1E-06	3.4E-06	3.7E-06	4.4E-06
50.0	2.5E-06	[illegible]-06	1.5E-06	1.5E-06	1.4E-06	1.2E-06	1.2E-06	1.2E-06	1.3E-06	2.0E-06	2.[illegible]E-06	2.4E-06	2.6E-06	2.2E-06	2.3E-06	2.6E-05
MAX CONC	8.8E-06	6.4E-06	2.5E-06	2.5E-06	2.0E-06	1.6E-06	1.6E-06	1.5E-06	1.7E-06	5.7E-06	6.4E-06	8.1E-06	6.8E-06	7.6E-06	1.1E-05	1.1E-05
DIST(MI)	15.0	20.0	30.0	30.0	30.0	30.0	30.0	40.0	30.0	20.0	20.0	25.0	20.0	15.0	10.0	10.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DG-11

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.0	0.	0.	0.	0.	0.	1.3E-15	1.3E-15	3.4E-14	1.8E-12	1.8E-10	3.4E-14	6.9E-13	1.8E-12	6.9E-13	0.	0.
2.5	1.3E-09	4.4E-12	4.4E-12	3.9E-13	0.	8.9E-13	6.9E-13	9.4E-12	1.7E-10	1.4E-08	2.4E-09	8.6E-11	1.7E-10	2.4E-09	3.9E-13	2.9E-14
3.0	1.2E-08	8.9E-10	8.9E-10	2.4E-11	1.2E-11	4.5E-11	8.4E-11	8.9E-10	2.6E-09	6.5E-07	3.2E-08	1.5E-09	2.6E-09	2.0E-08	2.8E-10	3.2E-08
3.5	7.9E-08	7.9E-08	6.5E-09	3.5E-10	9.7E-10	5.9E-10	9.7E-10	6.5E-09	1.6E-08	2.3E-06	3.7E-07	1.0E-08	1.6E-08	7.9E-08	7.9E-08	5.2E-07
4.0	2.0E-07	3.7E-07	2.5E-08	5.3E-09	5.2E-08	3.5E-09	5.3E-09	2.5E-08	5.2E-08	7.2E-06	2.0E-06	1.0E-07	3.7E-07	3.7E-07	2.0E-07	9.5E-07
4.5	1.2E-06	6.5E-07	9.2E-08	4.9E-08	1.7E-07	1.3E-08	1.8E-08	6.7E-08	1.2E-07	1.1E-05	2.8E-06	3.9E-07	2.8E-06	4.1E-06	1.2E-06	3.4E-06
5.0	2.4E-06	9.9E-07	3.9E-07	1.1E-07	3.1E-07	3.3E-08	4.5E-08	1.4E-07	3.1E-07	2.8E-05	3.4E-06	1.6E-06	4.8E-06	4.8E-06	1.6E-06	9.8E-06
6.0	6.4E-06	5.0E-06	8.3E-07	3.0E-07	6.8E-07	2.4E-07	4.6E-07	3.7E-07	6.8E-07	2.3E-05	4.4E-06	2.9E-06	1.2E-05	8.1E-06	1.2E-05	9.9E-06
7.0	1.4E-05	5.8E-06	1.5E-06	5.7E-07	1.9E-06	8.1E-07	8.1E-07	6.8E-07	1.1E-06	1.8E-05	5.0E-06	6.7E-06	1.1E-05	9.5E-06	1.9E-05	1.9E-05
8.0	1.2E-05	6.7E-06	4.8E-06	1.2E-06	2.4E-06	1.2E-06	1.2E-06	1.0E-06	1.5E-06	1.5E-05	8.0E-06	9.0E-06	1.0E-05	1.5E-05	1.6E-05	1.6E-05
9.0	1.4E-05	1.0E-05	4.9E-06	1.8E-06	2.7E-06	1.5E-06	1.5E-06	1.3E-06	1.8E-06	1.3E-05	1.0E-05	8.5E-06	9.2E-06	1.4E-05	1.4E-05	1.4E-05
10.0	1.2E-05	9.1E-06	4.9E-06	2.1E-06	2.9E-06	1.7E-06	1.7E-06	1.6E-06	2.1E-06	1.1E-05	9.6E-06	1.0E-05	9.1E-06	1.2E-05	1.2E-05	1.2E-05
15.0	6.7E-06	5.8E-06	4.0E-06	3.2E-06	3.0E-06	2.3E-06	2.3E-06	2.1E-06	2.5E-06	6.6E-06	6.1E-06	6.5E-06	6.1E-06	6.7E-06	6.7E-06	6.7E-06
20.0	4.4E-06	4.1E-06	3.1E-06	3.1E-06	2.6E-06	2.1E-06	2.1E-06	2.1E-06	2.3E-06	4.3E-06	4.4E-06	4.3E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06
25.0	3.1E-06	3.0E-06	2.4E-06	2.4E-06	2.1E-06	1.8E-06	1.8E-06	1.8E-06	1.9E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06
30.0	2.2E-06	2.2E-06	1.9E-06	1.9E-06	1.7E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06
40.0	1.3E-06	1.3E-06	1.1E-06	1.1E-06	1.0E-06	9.7E-07	9.7E-07	9.5E-07	9.9E-07	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
50.0	7.5E-07	7.5E-07	6.9E-07	6.9E-07	6.5E-07	6.2E-07	6.2E-07	6.1E-07	6.3E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07
MAX CONC	1.4E-05	1.0E-05	4.9E-06	3.2E-06	3.0E-06	2.3E-06	2.3E-06	2.1E-06	2.5E-06	2.8E-05	1.0E-05	1.0E-05	1.2E-05	1.5E-05	1.9E-05	1.9E-05
DIST(MI)	7.0	9.0	9.0	15.0	15.0	15.0	15.0	15.0	15.0	5.0	9.0	10.0	6.0	8.0	7.0	7.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DG-12

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 5. MPH

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DISTANCE MILES																
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	*0.	0.	*0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	1.7E-13	0.	0.	3.6E-15	1.3E-14	0.	0.	0.
2.0	0.	8.1E-15	6.5E-14	6.5E-14	0.	1.8E-13	1.8E-13	3.1E-12	1.0E-10	4.4E-C9	3.1E-12	4.4E-11	1.0E-10	4.4E-11	6.5E-14	0.
2.5	1.5E-08	1.1E-10	1.1E-10	1.3E-11	0.	2.8E-11	2.8E-11	2.2E-10	2.8E-09	1.2E-07	2.6E-08	1.5E-08	2.8E-09	2.6E-08	1.3E-11	1.3E-12
3.0	7.6E-08	7.9E-09	7.9E-09	3.3E-10	1.8E-10	5.7E-10	1.0E-09	7.9E-09	2.0E-08	2.1E-06	1.7E-07	1.3E-08	2.0E-08	1.1E-07	2.9E-09	1.7E-07
3.5	2.9E-07	2.9E-07	3.4E-08	2.6E-09	6.4E-09	4.1E-09	6.4E-09	3.4E-08	7.2E-08	4.6E-06	1.1E-06	5.0E-08	7.2E-08	2.0E-07	2.9E-07	1.4E-06
4.0	5.4E-07	9.1E-07	9.1E-08	2.3E-08	1.7E-07	1.6E-08	2.3E-08	9.1E-08	1.7E-07	9.8E-06	3.7E-06	3.1E-07	9.1E-07	9.1E-07	5.4E-07	2.0E-06
4.5	2.1E-06	1.3E-06	2.4E-07	1.4E-07	4.1E-07	4.2E-08	5.8E-08	1.8E-07	3.1E-07	1.2E-05	4.2E-06	8.3E-07	4.2E-06	5.7E-06	2.1E-06	4.9E-06
5.0	3.4E-06	1.7E-06	7.5E-07	2.4E-07	6.1E-07	8.7E-08	1.1E-07	3.1E-07	6.1E-07	1.9E-05	4.6E-06	2.5E-06	6.0E-06	6.0E-06	2.5E-06	1.0E-05
6.0	6.6E-06	5.5E-06	1.2E-06	5.1E-07	1.0E-06	4.2E-07	7.3E-07	6.1E-07	1.0E-06	1.4E-05	4.9E-06	3.5E-06	1.0E-05	7.9E-06	1.0E-05	9.2E-06
7.0	1.1E-05	5.3E-06	1.8E-06	7.9E-07	2.2E-06	1.1E-06	1.1E-06	9.2E-07	1.4E-06	1.2E-05	4.9E-06	6.2E-06	9.0E-06	8.1E-06	1.2E-05	1.2E-05
8.0	9.0E-06	5.8E-06	4.4E-06	1.3E-06	2.5E-06	1.3E-06	1.3E-06	1.2E-06	1.7E-06	9.7E-06	6.6E-06	7.2E-06	7.8E-06	9.7E-06	9.7E-06	9.7E-06
9.0	8.2E-06	7.3E-06	4.2E-06	1.9E-06	2.6E-06	1.5E-06	1.5E-06	1.4E-06	1.9E-06	8.2E-06	7.3E-06	6.5E-06	6.9E-06	8.2E-06	8.2E-06	8.2E-06
10.0	7.1E-06	6.4E-06	4.0E-06	2.0E-06	2.6E-06	1.7E-06	1.7E-06	1.5E-06	2.0E-06	7.1E-06	6.6E-06	6.9E-06	6.4E-06	7.1E-06	7.1E-06	7.1E-06
15.0	4.0E-06	3.8E-06	2.9E-06	2.4E-06	2.3E-06	1.8E-06	1.8E-06	1.7E-06	2.0E-06	4.0E-06	3.9E-06	4.0E-06	3.9E-06	4.0E-06	4.0E-06	4.0E-06
20.0	2.6E-06	2.6E-06	2.1E-06	2.1E-06	1.8E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06
25.0	1.9E-06	1.8E-06	1.6E-08	1.6E-06	1.4E-06	1.3E-06	1.3E-06	1.2E-06	1.3E-06	1.9E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06
30.0	1.4E-06	1.4E-06	1.2E-06	1.2E-06	1.1E-06	1.0E-06	1.0E-06	1.0E-06	1.1E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
40.0	8.2E-07	8.2E-07	7.5E-07	7.5E-07	7.1E-07	6.7E-07	6.7E-07	6.6E-07	6.8E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07
50.0	5.2E-07	5.2E-07	4.9E-07	4.9E-07	4.7E-07	4.5E-07	4.5E-07	4.4E-07	4.6E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07
MAX CONC	1.1E-05	7.3E-06	4.4E-06	2.4E-06	2.6E-06	1.8E-06	1.8E-06	1.7E-06	2.0E-06	1.9E-05	7.3E-06	7.2E-06	1.0E-05	9.7E-06	1.2E-05	1.2E-05
DIST(MI)	7.0	8.0	8.0	15.0	10.0	15.0	15.0	15.0	10.0	5.0	9.0	8.0	6.0	[illegible]	7.0	7.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ-13

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 7. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	7.9E-15	1.1E-12	7.9E-15	0.	2.9E-14	1.0E-13	7.9E-15	0.	0.
2.0	1.7E-15	4.0E-14	2.9E-13	2.9E-13	0.	7.6E-13	7.6E-13	1.2E-11	3.1E-10	1.1F-08	1.2E-11	1.4E-10	3.1E-10	1.4E-10	2.9E-13	0.
2.5	2.9E-08	2.8E-10	2.8E-10	3.6E-11	0.	7.3E-11	7.3E-11	5.3E-10	5.8E-09	1.9E-07	4.8E-08	3.3E-09	5.8E-09	4.8E-08	3.6E-11	4.0E-12
3.0	1.1E-07	1.4E-08	1.4E-08	6.5E-10	3.8E-10	1.1E-09	1.9E-09	1.4E-06	3.3E-08	2.4E-06	2.4E-07	2.1E-08	3.3E-08	1.7E-07	5.2E-09	2.4E-07
3.5	3.7E-07	3.7E-07	4.9E-08	4.3E-09	1.0E-08	6.6E-09	1.0E-08	4.9E-08	1.0E-07	4.7E-06	1.2E-06	7.0E-08	1.0E-07	3.7E-07	3.7E-07	1.6E-06
4.0	6.2E-07	1.0E-06	1.2E-07	3.2E-08	2.1E-07	2.2E-08	3.2E-08	1.2E-07	2.1E-07	8.9E-06	3.7E-06	3.7E-07	1.0E-06	1.0E-06	6.2E-07	2.1E-06
4.5	2.1E-06	1.3E-06	2.8E-07	1.7E-07	4.5E-07	5.3E-08	7.1E-08	2.2E-07	3.6E-07	1.0E-05	4.0E-06	8.9E-07	4.0E-06	5.3E-06	2.1E-06	4.6E-06
5.0	3.2E-06	1.6E-06	7.8E-07	2.7E-07	6.4E-07	1.0E-07	1.3E-07	3.4E-07	6.4E-07	1.3E-05	4.2E-06	2.4E-06	5.3E-06	5.3E-06	2.4E-06	8.6E-06
6.0	5.6E-06	4.7E-06	1.2E-06	5.1E-07	1.0E-06	4.2E-07	7.2E-07	6.1E-07	1.0E-06	1.0E-05	4.2E-06	3.1E-06	8.3E-06	6.5E-06	8.3E-06	7.4E-06
7.0	8.0E-06	4.4E-06	1.6E-06	7.4E-07	2.0E-06	9.3E-07	9.8E-07	8.6E-07	1.3E-06	8.3E-06	4.1E-06	5.1E-06	7.0E-06	6.4E-06	8.3E-06	8.3E-06
8.0	6.7E-06	4.6E-06	3.6E-06	1.2E-06	2.1E-06	1.2E-06	1.2E-05	1.1E-06	1.5E-06	6.9E-06	5.2E-06	5.6E-06	6.0E-06	6.9E-06	6.9E-06	6.9E-06
9.0	5.9E-06	5.5E-06	3.4E-06	1.6E-06	2.1E-06	1.3E-06	1.3E-06	1.2E-06	1.6E-06	5.9E-06	5.5E-06	4.9E-06	5.2E-06	5.9E-06	5.9E-06	5.9E-06
10.0	5.1E-06	4.8E-06	3.1E-06	1.6E-06	2.1E-06	1.4E-06	1.4E-06	1.3E-06	1.6E-06	5.1E-06	4.9E-06	5.1E-06	4.8E-06	5.1E-06	5.1E-06	5.1E-06
15.0	2.9E-06	2.8E-06	2.2E-06	1.8E-06	1.8E-06	1.4E-06	1.4E-06	1.3E-06	1.5E-06	2.9E-06	2.8E-06	2.9E-06	2.8E-06	2.9E-06	2.8E-06	2.9E-06
20.0	1.9E-06	1.9E-06	1.6E-06	1.5E-06	1.4E-06	1.2E-06	1.2E-06	1.1E-06	1.2E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06
25.0	1.3E-06	1.3E-06	1.2E-06	1.2E-06	1.1E-06	9.5E-07	9.5E-07	9.2E-07	9.9E-07	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
30.0	1.0E-06	1.0E-06	9.1E-07	9.1E-07	8.4E-07	7.6E-07	7.6E-07	7.5E-07	7.9E-07	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
40.0	6.1E-07	6.1E-07	5.7E-07	5.7E-07	5.4E-07	5.1E-07	5.1E-07	5.0E-07	5.2E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07
50.0	4.0E-07	4.0E-07	3.8E-07	3.8E-07	3.7E-07	3.8E-07	3.8E-07	3.8E-07	3.6E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07
MAX CONC	8.0E-06	5.5E-06	3.6E-06	1.8E-06	2.1E-06	1.4E-06	1.4E-06	1.3E-06	1.6E-06	1.3E-05	5.5E-06	8.6E-06	8.3E-06	6.9E-05	8.3E-06	8.6E-06
DIST(MI)	7.0	9.0	8.0	15.0	9.0	10.0	10.0	15.0	10.0	5.0	9.0	8.0	6.0	8.0	7.0	5.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DG-14

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 10. MPH

	******** WIND DIRECTION RANGES ********															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	******** DOWN WIND SECTOR BEARING ********															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	2.6E-14	3.1E-12	2.6E-14	1.9E-15	9.1E-14	3.0E-13	2.6E-14	0.	0.
2.0	4.3E-15	9.3E-14	6.4E-13	6.4E-13	0.	1.6E-12	1.6E-12	2.3E-11	5.4E-10	1.6E-08	2.3E-11	2.5E-10	5.4E-10	2.5E-10	6.4E-13	0.
2.5	3.7E-08	4.2E-10	4.2E-10	5.9E-11	0.	1.2E-10	1.2E-10	7.9E-10	8.0E-09	2.3E-07	6.0E-08	4.6E-09	8.0E-09	6.0E-08	5.9E-11	6.9E-12
3.0	1.3E-07	1.6E-08	1.6E-08	8.8E-10	5.1E-10	1.5E-09	2.5E-09	1.6E-08	3.9E-08	2.3E-06	2.6E-07	2.5E-08	3.9E-08	1.8E-07	6.5E-09	2.6E-07
3.5	3.7E-07	3.7E-07	5.3E-08	5.1E-09	1.2E-08	7.7E-09	1.2E-08	5.3E-08	1.1E-07	4.1E-06	1.2E-06	7.5E-08	1.1E-07	3.7E-07	3.7E-07	1.5E-06
4.0	5.9E-07	9.3E-07	1.2E-07	3.3E-08	2.1E-07	2.4E-08	3.3E-08	1.2E-07	2.1E-07	7.1E-06	3.2E-06	3.6E-07	9.3E-07	9.3E-07	5.9E-07	1.9E-06
4.5	1.8E-06	1.2E-06	2.6E-07	1.6E-07	4.2E-07	5.3E-08	7.1E-08	2.1E-07	3.3E-07	7.8E-06	3.3E-06	8.0E-07	3.3E-06	4.3E-06	1.8E-06	3.8E-06
5.0	2.6E-06	1.4E-06	6.9E-07	2.5E-07	5.7E-07	9.6E-08	1.2E-07	3.1E-07	5.7E-07	9.3E-06	3.4E-06	2.0E-06	4.3E-06	4.3E-06	2.0E-06	6.6E-06
6.0	4.3E-06	3.6E-06	9.7E-07	4.4E-07	8.4E-07	3.7E-07	6.1E-07	5.2E-07	8.4E-07	7.2E-06	3.3E-06	2.5E-06	6.1E-06	4.9E-06	6.1E-06	5.6E-06
7.0	5.7E-06	3.4E-06	1.3E-06	6.2E-07	1.5E-06	8.1E-07	8.1E-07	7.1E-07	1.0E-06	5.8E-06	3.1E-06	3.8E-06	5.1E-06	4.7E-06	5.8E-06	5.8E-06
8.0	4.8E-06	3.4E-06	2.7E-06	9.4E-07	1.6E-06	9.4E-07	9.4E-07	8.4E-07	1.2E-06	4.9E-06	3.8E-06	4.1E-06	4.4E-06	4.9E-06	4.9E-06	4.9E-06
9.0	4.1E-06	3.9E-06	2.5E-06	1.2E-06	1.6E-06	1.0E-06	1.0E-06	9.4E-07	1.2E-06	4.1E-06	3.9E-06	3.6E-06	3.8E-06	4.1E-06	4.1E-06	4.1E-06
10.0	3.6E-06	3.4E-06	2.3E-06	1.3E-06	1.6E-06	1.1E-06	1.1E-06	9.9E-07	1.3E-06	3.6E-06	3.5E-06	3.6E-06	3.4E-06	3.6E-06	3.6E-06	3.6E-06
15.0	2.0E-06	2.0E-06	1.6E-06	1.3E-06	1.3E-06	1.0E-06	1.0E-06	9.8E-07	1.1E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
20.0	1.3E-06	1.3E-06	1.1E-06	1.1E-06	9.9E-07	8.5E-07	8.5E-07	8.2E-07	8.0E-07	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
25.0	9.5E-07	9.5E-07	8.5E-07	8.5E-07	7.7E-07	6.9E-07	6.9E-07	6.7E-07	7.1E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07
30.0	7.2E-07	7.2E-07	6.6E-07	6.6E-07	6.1E-07	5.6E-07	5.6E-07	5.5E-07	5.7E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07
40.0	4.5E-07	4.5E-07	4.3E-07	4.2E-07	4.0E-07	3.8E-07	3.8E-07	3.7E-07	3.9E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07
50.0	3.0E-07	3.0E-07	2.9E-07	2.9E-07	2.8E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07
MAX CONC	5.7E-06	3.9E-06	2.7E-06	1.3E-06	1.6E-06	1.1E-06	1.1E-06	9.9E-07	1.3E-06	9.3E-06	3.9E-06	4.1E-06	6.1E-06	4.9E-06	6.1E-06	6.6E-06
DIST(MI)	7.0	9.0	8.0	15.0	9.0	10.0	10.0	10.0	10.0	5.0	9.0	8.0	6.0	6.0	6.0	5.0

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ-15

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 13. MPH

WIND DIRECTION RANGES	193-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	4.1E-14	4.4E-12	4.1E-14	3.2E-15	1.4E-13	4.6E-13	4.1E-14	0.	0.
2.0	6.0E-15	1.3E-13	8.5E-13	8.5E-13	0.	2.1E-12	2.1E-12	2.8E-11	6.4E-10	1.8E-08	2.8E-11	3.0E-10	6.4E-10	3.0E-10	8.5E-13	0.
2.5	3.8E-08	4.7E-10	4.7E-10	6.7E-11	0.	1.3E-10	1.3E-10	8.6E-10	8.3E-09	2.2E-07	6.0E-08	4.9E-09	8.3E-09	6.0E-08	6.7E-11	8.1E-12
3.0	1.2E-07	1.6E-08	1.6E-08	9.1E-10	5.4E-10	1.5E-09	2.5E-09	1.6E-08	3.8E-08	2.0E-06	2.5E-07	2.8E-08	3.8E-08	1.7E-07	6.6E-09	2.5E-07
3.5	3.4E-07	3.4E-07	5.0E-08	4.9E-09	1.1E-08	7.5E-09	1.1E-08	5.0E-08	9.9E-08	3.5E-06	1.0E-06	7.1E-08	9.9E-08	3.4E-07	3.4E-07	1.3E-06
4.0	5.2E-07	8.2E-07	1.1E-07	3.1E-08	1.9E-07	2.2E-08	3.1E-08	1.1E-07	1.9E-07	5.8E-06	2.7E-06	3.2E-07	8.2E-07	8.2E-07	5.2E-07	1.6E-06
4.5	1.5E-06	1.0E-06	2.3E-07	1.4E-07	3.7E-07	4.8E-08	6.4E-08	1.8E-07	2.9E-07	6.3E-06	2.5E-06	6.9E-07	2.8E-06	3.6E-06	1.5E-06	3.2E-06
5.0	2.2E-06	1.2E-06	5.9E-07	2.2E-07	4.9E-07	8.5E-08	1.1E-07	2.7E-07	4.9E-07	7.1E-06	2.8E-06	1.7E-06	3.5E-06	3.5E-06	1.7E-06	5.3E-06
6.0	3.4E-06	2.8E-06	8.1E-07	3.7E-07	7.0E-07	3.1E-07	5.2E-07	4.4E-07	7.0E-07	5.6E-06	2.7E-06	2.0E-06	4.8E-06	3.9E-06	4.8E-06	4.4E-06
7.0	4.5E-06	2.7E-06	1.1E-06	5.1E-07	1.3E-06	6.7E-07	6.7E-07	5.9E-07	8.5E-07	4.5E-06	2.5E-06	3.1E-06	4.0E-06	3.7E-06	4.5E-06	4.5E-06
8.0	3.7E-06	2.7E-06	2.2E-06	7.7E-07	1.3E-06	7.7E-07	7.7E-07	6.9E-07	9.4E-07	3.7E-06	3.0E-06	3.2E-06	3.4E-06	3.7E-06	3.7E-06	3.7E-06
9.0	3.2E-06	3.1E-06	2.0E-06	9.9E-07	1.3E-06	8.3E-07	8.3E-07	7.6E-07	9.9E-07	3.2E-06	3.1E-06	2.8E-06	2.9E-06	3.2E-06	3.2E-06	3.2E-06
10.0	2.7E-06	2.7E-06	1.8E-06	1.0E-06	1.3E-06	8.7E-07	8.7E-07	8.0E-07	1.0E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06
15.0	1.5E-06	1.5E-06	1.2E-06	1.1E-06	1.0E-06	8.1E-07	8.1E-07	7.7E-07	8.8E-07	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06
20.0	1.0E-06	1.0E-06	8.8E-07	8.8E-07	7.7E-07	6.6E-07	6.6E-07	6.5E-07	7.0E-07	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
25.0	7.4E-07	7.4E-07	6.6E-07	6.6E-07	6.0E-07	5.4E-07	5.4E-07	5.3E-07	5.6E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07
30.0	5.6E-07	5.6E-07	5.1E-07	5.1E-07	4.8E-07	4.4E-07	4.4E-07	4.3E-07	4.5E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07
40.0	3.5E-07	3.5E-07	3.3E-07	3.3E-07	3.2E-07	3.0E-07	3.0E-07	3.0E-07	3.1E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
50.0	2.4E-07	2.4E-07	2.3E-07	2.3E-07	2.2E-07	2.2E-07	2.2E-07	2.1E-07	2.2E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07
MAX CONC	4.5E-06	3.1E-06	2.2E-06	1.1E-06	1.3E-06	8.7E-07	8.7E-07	8.0E-07	1.0E-06	7.1E-06	3.1E-06	3.2E-06	4.8E-06	3.9E-06	4.8E-06	5.3E-06
DIST(MI)	7.0	9.0	8.0	15.0	8.0	10.0	10.0	10.0	10.0	5.0	9.0	8.0	6.0	6.0	6.0	5.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. GG-16

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 10. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	1.0E-15	1.0E-15	5.0E-14	5.1E-12	5.0E-14	3.9E-15	1.7E-13	5.5E-13	5.0E-14	0.	0.
2.0	6.9E-15	1.4E-13	9.3E-13	9.3E-13	0.	2.3E-12	2.3E-12	3.0E-11	6.5E-10	1.8E-08	3.0E-11	3.1E-10	6.5E-10	3.1E-10	9.3E-13	0.
2.5	3.6E-08	4.6E-10	4.6E-10	6.8E-11	0.	1.3E-10	1.3E-10	8.5E-10	8.0E-09	2.0E-07	5.7E-08	4.7E-09	8.0E-09	3.7E-08	6.8E-11	8.3E-12
3.0	1.1E-07	1.5E-08	1.5E-08	8.8E-10	5.2E-10	1.5E-09	2.4E-09	1.5E-08	3.5E-08	1.8E-06	2.2E-07	2.3E-08	3.5E-08	1.6E-07	6.2E-09	2.2E-07
3.5	3.0E-07	3.0E-07	4.6E-08	4.6E-09	1.0E-08	6.9E-09	1.0E-08	4.6E-08	8.9E-08	3.0E-06	9.1E-07	6.4E-08	8.9E-08	3.0E-07	3.0E-07	1.1E-06
4.0	4.5E-07	7.1E-07	9.5E-08	2.8E-08	1.7E-07	2.0E-08	2.8E-08	9.5E-08	1.7E-07	4.9E-08	2.3E-06	2.8E-07	7.1E-07	7.1E-07	4.5E-07	1.4E-06
4.5	1.3E-06	8.8E-07	2.0E-07	1.3E-07	3.2E-07	4.3E-08	5.7E-08	1.6E-07	2.6E-07	5.2E-08	2.4E-06	6.0E-07	2.4E-06	3.0E-06	1.3E-06	2.7E-06
5.0	1.9E-06	1.0E-06	5.1E-07	1.9E-07	4.2E-07	7.5E-08	9.5E-08	2.3E-07	4.2E-07	5.8E-06	2.4E-06	1.4E-06	2.9E-06	2.9E-06	1.4E-06	4.4E-06
6.0	2.9E-06	2.5E-06	6.9E-07	3.2E-07	6.0E-07	2.7E-07	4.4E-07	3.8E-07	6.0E-07	4.5E-06	2.3E-06	1.7E-06	4.0E-06	3.3E-06	4.0E-06	3.6E-06
7.0	3.6E-06	2.2E-06	9.0E-07	4.4E-07	1.1E-06	5.7E-07	5.7E-07	5.0E-07	7.2E-07	3.7E-06	2.1E-06	2.5E-06	3.3E-06	3.1E-06	3.7E-06	3.7E-06
8.0	3.0E-06	2.2E-06	1.8E-06	6.5E-07	1.1E-06	6.5E-07	6.5E-07	5.8E-07	7.9E-07	3.0E-06	2.8E-06	2.6E-06	2.8E-06	3.0E-06	3.0E-06	3.0E-06
9.0	2.6E-06	2.5E-06	1.7E-06	8.3E-07	1.1E-06	7.0E-07	7.0E-07	6.4E-07	8.3E-07	2.6E-06	2.8E-06	2.3E-06	2.4E-06	2.6E-06	2.6E-06	2.6E-06
10.0	2.2E-06	2.2E-06	1.5E-06	8.4E-07	1.1E-06	7.2E-07	7.2E-07	6.7E-07	8.4E-07	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06
15.0	1.3E-06	1.2E-06	1.0E-06	8.7E-07	8.3E-07	6.7E-07	6.7E-07	6.4E-07	7.2E-07	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
20.0	8.3E-07	8.3E-07	7.2E-07	7.2E-07	6.3E-07	5.5E-07	5.5E-07	5.3E-07	5.8E-07	8.3E-07	8.3E-07	8.3E-07	8.3E-07	8.3E-07	8.3E-07	8.3E-07
25.0	6.0E-07	6.0E-07	5.4E-07	5.4E-07	4.9E-07	4.4E-07	4.4E-07	4.3E-07	4.6E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07
30.0	4.6E-07	4.6E-07	4.2E-07	4.2E-07	3.9E-07	3.6E-07	3.6E-07	3.5E-07	3.7E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07
40.0	2.9E-07	2.9E-07	2.8E-07	2.8E-07	2.6E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07
50.0	2.0E-07	2.0E-07	2.0E-07	2.0E-07	1.9E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
MAX CONC	3.6E-06	2.5E-06	1.8E-06	8.7E-07	1.1E-06	7.2E-07	7.2E-07	6.7E-07	8.4E-07	5.8E-06	2.8E-06	2.6E-06	4.0E-06	3.3E-06	4.0E-06	4.4E-06
DIST(MI)	7.0	9.0	8.0	15.0	[illegible].0	10.0	10.0	10.0	10.0	5.0	9.0	8.0	6.0	6.0	6.0	5.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ-17

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	4.2E-07	*3.9E-07	*3.9E-07	3.9E-07	3.9E-07	7.3E-06	6.6E-06	2.4E-06	2.9E-06	4.4E-06	4.4E-06	5.3E-06	5.3E-06	7.3E-06	5.9E-06	3.9E-07
.4	6.2E-07	5.7E-07	5.7E-07	*5.7E-07	5.7E-07	8.3E-06	8.3E-06	3.0E-06	4.4E-06	5.3E-06	5.3E-06	6.3E-06	6.3E-06	8.3E-06	6.8E-06	5.7E-07
.4	*8.4E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	9.3E-06	9.3E-06	3.6E-06	5.2E-06	6.1E-06	6.1E-06	7.2E-06	7.2E-06	9.3E-06	7.8E-06	*7.9E-07
.5	1.7E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.2E-05	1.2E-05	1.0E-05	8.4E-06	*8.9E-06	6.0E-06	9.5E-06	9.5E-06	1.2E-05	1.0E-05	1.6E-06
.5	2.1E-06	2.0E-06	2.0E-06	2.0E-06	*2.0E-06	1.2E-05	1.2E-05	1.2E-05	9.0E-06	1.0E-05	6.5E-06	1.0E-05	1.0E-05	1.2E-05	1.1E-05	2.0E-06
.5	2.4E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	1.3E-05	1.3E-05	1.3E-05	9.5E-06	1.1E-05	*8.5E-06	1.1E-05	1.1E-05	1.3E-05	1.1E-05	2.3E-06
.5	3.1E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	1.4E-05	1.5E-05	1.5E-05	1.1E-05	1.3E-05	1.3E-05	*1.2E-05	1.2E-05	*1.4E-05	1.2E-05	3.0E-06
.6	4.1E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	1.5E-05	1.6E-05	1.6E-05	*1.2E-05	1.5E-05	1.5E-05	1.2E-05	*1.4E-05	[illegible]	*1.3E-05	4.0E-06
.6	5.0E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	1.5E-05	1.6E-05	*1.6E-05	1.4E-05	1.5E-05	1.5E-05	1.3E-05	1.5E-05	1.4E-05	1.3E-05	5.6E-06
.7	5.2E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	1.5E-05	*1.6E-05	1.7E-05	1.4E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.4E-05	1.3E-05	5.8E-06
.7	5.5E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	*1.5E-05	1.5E-05	1.6E-05	1.7E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.4E-05	1.3E-05	6.0E-06
1.0	6.8E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.1E-05	1.2E-05	7.1E-06
1.5	6.3E-06	6.3E-06	6.2E-06	6.2E-06	6.2E-06	7.0E-06	7.0E-06	7.1E-06	7.3E-06	7.1E-06	7.0E-06	7.2E-06	7.2E-06	7.1E-06	6.9E-06	6.4E-06
2.0	4.3E-06	4.4E-06	4.4E-06	4.4E-06	3.7E-06	4.4E-06	4.4E-06	4.5E-06	4.6E-06	4.6E-06	4.5E-06	4.5E-06	4.6E-06	4.5E-06	4.4E-06	3.8E-06
2.5	3.1E-06	3.1E-06	3.1E-06	3.0E-06	2.9E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.2E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.0E-06	3.0E-06
3.0	2.3E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.3E-06	2.3E-06	2.3E-06	2.2E-06	2.3E-06	2.3E-06	2.2E-06	2.3E-06
3.5	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
4.0	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.4E-06	1.4E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
4.5	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
5.0	8.9E-07	8.9E-07	8.9E-07	8.8E-07	8.9E-07	8.8E-07	8.8E-07	8.8E-07	8.9E-07	9.0E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	9.0E-07
6.0	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.4E-07	6.3E-07	6.3E-07	6.4E-07	6.3E-07	6.4E-07	6.3E-07
7.0	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.8E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.8E-07	4.8E-07
8.0	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07
9.0	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07
10.0	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07
15.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
20.0	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08
25.0	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08	4.1E-08
30.0	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08
40.0	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08
50.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
MAX CONC	6.8E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	1.5E-05	1.6E-05	1.7E-05	1.7E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.4E-05	1.3E-05	7.1E-06
DIST(MI)	1.0	1.0	1.0	1.0	1.0	.6	.6	.7	.7	.7	.6	.7	.7	.6	.7	1.0

TABLE NO. OG-18

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	8.2E-07	*7.7E-07	*7.7E-07	7.7E-07	7.7E-07	7.8E-06	7.3E-06	3.3E-06	3.9E-06	5.4E-06	5.4E-06	6.2E-06	6.2E-06	7.8E-06	6.7E-06	7.7E-07
.4	1.0E-06	9.7E-07	9.7E-07	*9.7E-07	9.7E-07	8.1E-06	8.1E-06	3.7E-06	5.0E-06	5.8E-06	5.8E-06	6.6E-06	6.6E-06	8.1E-06	7.0E-06	9.7E-07
.4	*1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	8.3E-06	8.3E-06	4.1E-06	5.3E-06	6.1E-06	6.1E-06	6.9E-06	6.9E-06	8.3E-06	7.3E-06	*1.2E-06
.5	1.9E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	8.6E-06	8.6E-06	7.7E-06	6.6E-06	*7.0E-06	5.1E-06	7.3E-06	7.3E-06	8.6E-06	7.7E-06	1.8E-06
.5	2.1E-06	2.0E-06	2.0E-06	2.0E-06	*2.0E-06	8.5E-06	8.5E-06	8.2E-06	6.7E-06	7.4E-06	5.3E-06	7.4E-06	7.4E-06	8.5E-06	7.7E-06	2.0E-06
.5	2.3E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	8.5E-06	8.5E-06	8.5E-06	6.8E-06	7.4E-06	*6.2E-06	7.4E-06	7.4E-06	8.5E-06	7.7E-06	2.2E-06
.5	2.6E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	8.5E-06	8.8E-06	8.8E-06	7.1E-06	8.0E-06	8.0E-06	*7.3E-06	7.3E-06	*8.3E-06	7.6E-06	2.5E-06
.6	3.0E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	8.0E-06	8.5E-06	8.5E-06	*7.1E-06	8.0E-06	8.0E-06	7.1E-06	*7.6E-06	7.8E-06	*7.3E-06	2.9E-06
.6	3.2E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	7.5E-06	7.9E-06	*7.9E-06	7.1E-06	7.5E-06	7.7E-06	6.7E-06	7.5E-06	7.3E-06	6.9E-06	3.5E-06
.7	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	7.3E-06	*7.7E-06	8.0E-06	7.0E-06	7.3E-06	7.5E-06	7.0E-06	7.3E-06	7.1E-06	6.8E-06	3.5E-06
.7	3.3E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	*7.1E-06	7.4E-06	7.8E-06	7.9E-06	7.4E-06	7.3E-06	6.8E-06	7.3E-06	7.0E-06	6.6E-06	3.6E-06
1.0	3.1E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	4.8E-06	4.8E-06	4.8E-06	4.9E-06	4.9E-06	4.8E-06	4.7E-06	4.8E-06	4.6E-06	4.8E-06	3.2E-06
1.5	2.1E-06	2.4E-06	2.1E-06	2.1E-06	2.1E-06	2.6E-06	2.6E-06	2.7E-06	2.7E-06	2.7E-06	2.6E-06	2.7E-06	2.7E-06	2.7E-06	2.6E-06	2.1E-06
2.0	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.4E-06	1.6E-06	1.6E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.6E-06	1.4E-06
2.5	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
3.0	8.4E-07	8.3E-07	8.3E-07	8.2E-07	8.2E-07	8.3E-07	8.3E-07	8.3E-07	8.3E-07	8.4E-07	8.4E-07	8.3E-07	8.3E-07	8.4E-07	8.3E-07	8.4E-07
3.5	6.4E-07	6.4E-07	6.4E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07
4.0	5.1E-07	5.1E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07
4.5	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
5.0	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07
6.0	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07
7.0	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
8.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
9.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
10.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
15.0	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08
20.0	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08
25.0	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
30.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
40.0	8.3E-09	8.3E-09	8.3E-09	8.3E-09	8.3E-09	8.3E-09	8.3E-09	8.3E-09	8.3E-09	8.3E-09	8.3E-09	8.3E-09	8.3E-09	8.3E-09	8.3E-09	8.3E-09
50.0	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09
MAX CONC	3.3E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	8.6E-06	8.8E-06	8.8E-06	7.9E-06	8.0E-06	8.0E-06	7.4E-06	7.6E-06	8.6E-06	7.7E-06	3.6E-06
DIST(MI)	.7	.7	.7	.7	.7	.5	.5	.5	.7	.6	.6	.5	.6	.5	.5	.7

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ-19

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	6.1E-07	*5.7E-07	*5.7E-07	5.7E-07	5.7E-07	5.4E-06	5.1E-06	2.4E-06	2.8E-06	3.8E-06	3.8E-06	4.3E-06	4.3E-06	5.4E-06	4.6E-06	5.7E-07
.4	7.6E-07	7.1E-07	7.1E-07	*7.1E-07	7.1E-07	5.5E-06	5.5E-06	2.6E-06	3.5E-06	4.0E-06	4.0E-06	4.5E-06	4.5E-06	5.5E-06	4.8E-06	7.1E-07
.4	*9.0E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	5.6E-06	5.6E-06	2.8E-06	3.7E-06	4.1E-06	4.1E-06	4.7E-06	4.7E-06	5.6E-06	4.9E-06	*8.5E-07
.5	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	5.6E-06	5.6E-06	5.1E-06	4.4E-06	*4.6E-06	3.4E-06	4.8E-06	4.9E-06	5.6E-06	5.1E-06	1.3E-06
.5	1.4E-06	1.4E-06	1.4E-06	1.4E-06	*1.4E-06	5.6E-06	5.6E-06	5.4E-06	4.4E-06	4.9E-06	3.6E-06	4.9E-06	4.8E-06	5.6E-06	5.1E-06	1.4E-06
.5	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	5.5E-06	5.5E-06	5.5E-06	4.5E-06	4.8E-06	*4.1E-06	4.8E-06	4.8E-06	5.5E-06	5.0E-06	1.5E-06
.5	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	5.5E-06	5.7E-06	5.7E-06	4.6E-06	5.1E-06	5.1E-06	*4.7E-06	4.7E-06	*5.3E-06	4.9E-06	1.7E-06
.6	2.0E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	5.1E-06	5.4E-06	5.4E-06	*4.5E-06	5.1E-06	5.1E-06	4.8E-06	*4.8E-06	5.0E-06	*4.7E-06	1.9E-06
.6	2.1E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	4.7E-06	5.0E-06	*5.0E-06	4.5E-06	4.7E-06	4.8E-06	4.3E-06	4.7E-06	4.6E-06	4.4E-06	2.3E-06
.7	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	4.6E-06	*4.8E-06	5.0E-06	4.4E-06	4.6E-06	4.7E-06	4.4E-06	4.6E-06	4.5E-06	4.3E-06	2.3E-06
.7	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	*4.5E-06	4.7E-06	4.9E-06	4.9E-06	4.7E-06	4.6E-06	4.3E-06	4.6E-06	4.4E-06	4.2E-06	2.3E-06
1.0	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	2.9E-06	2.9E-06	2.9E-06	2.8E-06	2.9E-06	2.0E-06
1.5	1.3E-06	1.5E-06	1.3E-06	1.3E-06	1.3E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.3E-06
2.0	9.8E-07	9.9E-07	1.0E-06	1.0E-06	8.8E-07	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	8.9E-07
2.5	7.0E-07	6.9E-07	6.9E-07	6.9E-07	6.6E-07	6.9E-07	6.9E-07	7.0E-07	7.0E-07	7.1E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	6.9E-07	6.9E-07
3.0	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.2E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07
3.5	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	4.0E-07	4.0E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	4.0E-07
4.0	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07
4.5	2.6E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.6E-07	2.6E-07	2.5E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
5.0	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07
6.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
7.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
8.0	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08
9.0	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08
10.0	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08
15.0	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08
20.0	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
25.0	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
30.0	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09
40.0	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09
50.0	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09
MAX CONC	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	5.6E-06	5.7E-06	5.7E-06	4.9E-06	5.1E-06	5.1E-06	4.9E-06	4.9E-06	5.6E-06	5.1E-06	2.3E-06
DIST(MI)	.7	.7	.7	.7	.7	.5	.5	.5	.7	.5	.5	.5	.5	.5	.5	.7

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DG-20

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE LOW FLOW
STABILITY STABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.0	0.	0.	0.	0.	0.	0.	0.	0.	1.8E-15	3.9E-13	0.	0.	1.8E-15	0.	0.	0.
2.5	1.7E-11	1.9E-14	1.9E-14	1.1E-15	0.	2.9E-15	2.9E-15	4.8E-14	1.5E-12	3.2E-10	3.6E-11	6.6E-13	1.5E-12	3.6E-11	1.1E-15	0.
3.0	5.6E-10	2.4E-11	2.4E-11	3.4E-13	1.6E-13	7.1E-13	1.5E-12	2.4E-11	8.8E-11	8.1E-06	1.8E-09	4.6E-11	8.8E-11	1.0E-09	6.1E-12	1.8E-09
3.5	8.9E-09	8.9E-09	4.4E-10	1.4E-11	4.7E-11	2.6E-11	4.7E-11	4.4E-10	1.3E-09	8.3E-07	6.2E-08	7.4E-10	1.3E-09	8.9E-09	8.9E-09	9.3E-08
4.0	4.0E-08	8.5E-08	3.3E-09	5.2E-10	7.9E-09	3.2E-10	5.2E-10	3.3E-09	7.9E-09	4.0E-06	7.4E-07	1.8E-08	8.5E-08	8.5E-08	4.0E-08	2.8E-07
4.5	4.5E-07	2.2E-07	2.1E-08	9.7E-09	4.2E-08	2.0E-09	3.0E-09	1.4E-08	3.0E-08	8.8E-06	1.4E-06	1.2E-07	1.4E-06	2.3E-06	4.5E-07	1.8E-06
5.0	1.4E-06	4.6E-07	1.5E-07	3.1E-08	1.1E-07	7.8E-09	1.1E-08	4.3E-08	1.1E-07	5.1E-05	2.2E-06	8.4E-07	3.4E-06	3.4E-06	8.4E-07	9.1E-06
6.0	6.6E-06	4.8E-06	5.0E-07	1.5E-07	4.0E-07	1.1E-07	2.4E-07	1.9E-07	4.0E-07	4.5E-05	4.0E-06	2.3E-06	1.6E-05	9.0E-06	1.6E-05	1.2E-05
7.0	2.5E-05	6.6E-06	1.3E-06	4.0E-07	1.7E-06	6.0E-07	6.0E-07	5.0E-07	8.9E-07	4.0E-05	5.7E-06	8.6E-06	1.7E-05	1.4E-05	4.8E-05	5.2E-05
8.0	2.4E-05	9.8E-06	6.3E-06	1.1E-06	2.6E-06	1.1E-06	1.1E-06	9.4E-07	1.5E-06	3.6E-05	1.3E-05	1.5E-05	1.8E-05	3.5E-05	4.1E-05	4.4E-05
9.0	4.0E-05	2.0E-05	7.3E-06	2.2E-06	3.5E-06	1.7E-06	1.7E-06	1.5E-06	2.2E-06	3.2E-05	2.0E-05	1.5E-05	1.7E-05	3.8E-05	4.1E-05	4.1E-05
10.0	3.5E-05	1.9E-05	8.0E-06	2.8E-06	4.2E-06	2.3E-06	2.3E-06	2.0E-06	2.8E-06	2.8E-05	2.1E-05	2.3E-05	1.9E-05	3.3E-05	3.6E-05	3.6E-05
15.0	2.0E-05	1.4E-05	8.7E-06	6.6E-06	6.1E-06	4.3E-06	4.3E-06	4.0E-06	4.8E-06	1.8E-05	1.5E-05	1.8E-05	1.5E-05	1.9E-05	2.0E-05	2.0E-05
20.0	1.3E-05	1.1E-05	7.5E-06	7.5E-06	5.9E-06	4.6E-06	4.6E-06	4.4E-06	5.1E-06	1.2E-05	1.2E-05	1.2E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
25.0	8.8E-06	7.8E-06	5.9E-06	5.9E-06	5.0E-06	4.2E-06	4.2E-06	4.1E-06	4.5E-06	8.4E-06	8.6E-06	8.9E-06	8.7E-06	8.7E-06	8.9E-06	8.9E-06
30.0	6.1E-06	5.5E-06	4.4E-06	4.4E-06	3.9E-06	3.4E-06	3.4E-06	3.3E-06	3.6E-06	5.8E-06	5.9E-06	6.1E-06	6.1E-06	6.0E-06	6.1E-06	6.1E-06
40.0	2.8E-06	2.8E-06	2.2E-06	2.2E-06	2.1E-06	1.9E-06	1.9E-06	1.8E-06	1.9E-06	2.7E-06	2.8E-06	2.8E-06	2.8E-06	2.7E-06	2.8E-06	2.8E-06
50.0	1.2E-06	1.2E-06	1.0E-06	1.0E-06	9.8E-07	9.2E-07	9.2E-07	9.1E-07	9.4E-07	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
MAX CONC	4.0E-05	2.0E-05	8.7E-06	7.8E-06	6.1E-06	4.6E-06	4.6E-06	4.4E-06	5.1E-06	5.1E-05	2.1E-05	2.3E-05	1.9E-05	3.8E-05	4.8E-05	5.2E-05
DIST(MI)	9.0	9.0	15.0	20.0	15.0	20.0	20.0	20.0	20.0	5.0	10.0	10.0	10.0	9.0	7.0	7.0

TABLE NO. OG-21

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE LOW FLOW
STABILITY STABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE - MILES																
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	6.9E-15	1.1E-12	6.9E-15	0.	2.6E-14	9.3E-14	6.9E-15	0.	0.
2.0	1.7E-15	4.3E-14	3.3E-13	3.3E-13	0.	8.7E-13	8.7E-13	1.4E-11	4.1E-10	1.6E-08	1.4E-11	1.8E-10	4.1E-10	1.8E-10	3.3E-13	0.
2.5	4.7E-08	4.0E-10	4.0E-10	5.0E-11	0.	1.0E-10	1.0E-10	7.7E-10	9.0E-09	3.2E-07	7.8E-08	5.0E-09	9.0E-09	7.8E-08	5.0E-11	5.3E-12
3.0	2.0E-07	2.2E-08	2.2E-08	1.0E-09	5.8E-10	1.8E-09	3.0E-09	2.2E-08	5.6E-08	4.7E-06	4.3E-07	3.6E-08	5.6E-08	3.0E-07	8.4E-09	4.3E-07
3.5	6.9E-07	5.9E-07	8.6E-08	7.2E-09	1.7E-08	1.1E-08	1.7E-08	8.6E-08	1.8E-07	9.6E-06	2.4E-06	1.3E-07	1.8E-07	6.9E-07	6.9E-07	3.1E-06
4.0	1.2E-06	2.0E-06	2.2E-07	5.7E-08	4.0E-07	4.0E-08	5.7E-08	2.2E-07	4.0E-07	1.9E-05	7.5E-06	7.1E-07	2.0E-06	2.0E-06	1.2E-06	4.2E-06
4.5	4.3E-06	2.7E-06	5.4E-07	3.2E-07	8.9E-07	9.9E-08	1.3E-07	4.1E-07	6.9E-07	2.2E-05	8.4E-06	1.8E-06	8.4E-06	1.1E-05	4.3E-06	9.7E-06
5.0	6.7E-06	3.4E-06	1.6E-06	8.3E-07	1.3E-06	1.9E-07	2.5E-07	6.7E-07	1.3E-06	3.1E-05	8.9E-06	5.0E-06	1.1E-05	1.1E-05	5.0E-06	1.9E-05
6.0	1.2E-05	1.0E-05	2.4E-06	1.0E-06	2.1E-06	8.6E-07	1.5E-06	1.2E-06	2.1E-06	2.4E-05	9.2E-06	6.6E-06	1.9E-05	1.4E-05	1.9E-05	1.7E-05
7.0	1.8E-05	9.7E-06	3.5E-06	1.6E-06	4.2E-06	2.1E-06	2.1E-05	1.8E-06	2.7E-06	1.9E-05	9.0E-06	1.1E-05	1.6E-05	1.4E-05	1.9E-05	1.8E-05
8.0	1.5E-05	1.0E-05	7.9E-06	2.5E-06	4.6E-06	2.5E-06	2.8E-06	2.3E-06	3.2E-06	1.6E-05	1.2E-05	1.3E-05	1.4E-05	1.6E-05	1.6E-05	1.6E-05
9.0	1.4E-05	1.3E-05	7.5E-06	3.4E-06	4.7E-06	2.9E-06	2.9E-06	2.6E-06	3.4E-06	1.4E-05	1.3E-05	1.1E-05	1.2E-05	1.4E-05	1.4E-05	1.4E-05
10.0	1.2E-05	1.1E-05	7.1E-06	3.6E-06	4.7E-06	3.1E-06	3.1E-06	2.8E-06	3.6E-06	1.2E-05	1.1E-05	1.2E-05	1.1E-05	1.2E-05	1.2E-05	1.2E-05
15	6.7E-06	6.4E-06	5.0E-06	4.2E-06	4.0E-06	3.1E-06	3.1E-06	3.0E-06	3.4E-06	6.7E-06	6.6E-06	6.7E-06	6.6E-06	6.7E-06	6.7E-06	6.7E-06
20.	4.3E-06	4.3E-06	3.6E-06	3.6E-06	3.1E-06	2.6E-06	2.6E-06	2.5E-06	2.8E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06
25.0	3.0E-06	3.0E-06	2.6E-06	2.6E-06	2.3E-06	2.1E-06	2.1E-06	2.0E-06	2.2E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06
30.0	2.1E-06	2.1E-06	1.9E-06	1.9E-06	1.8E-06	1.6E-06	1.6E-06	1.6E-06	1.7E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06
40.0	1.2E-06	1.2E-06	1.1E-06	1.1E-06	1.0E-06	9.6E-07	9.6E-07	9.5E-07	9.8E-07	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
50.0	6.7E-07	6.7E-07	6.4E-07	6.4E-07	6.1E-07	5.8E-07	5.8E-07	5.8E-07	5.9E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07
MAX CONC	1.8E-05	1.3E-05	7.9E-06	4.2E-06	4.7E-06	3.1E-06	3.1E-06	3.0E-06	3.6E-06	3.1E-05	1.3E-05	1.3E-05	1.9E-05	1.6E-05	1.9E-05	1.9E-05
DIST(MI)	7.0	9.0	8.0	15.0	10.0	15.0	15.0	15.0	10.0	5.0	9.0	8.0	6.0	8.0	7.0	7.0

TABLE NO. 0G-22

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE   HIGH FLOW
STABILITY UNSTABLE
SPEED   1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	1.2E-12	*1.0E-12	*1.0E-12	1.0E-12	1.0E-12	3.3E-10	2.7E-10	3.3E-11	5.0E-11	1.2E-10	1.2E-10	1.7E-10	1.7E-10	3.3E-10	2.1E-10	1.0E-12
.4	5.4E-12	4.6E-12	4.6E-12	*4.6E-12	4.6E-12	9.0E-10	9.0E-10	1.1E-10	2.3E-10	3.4E-10	3.4E-10	4.9E-10	4.9E-10	9.0E-10	5.9E-10	4.6E-12
.4	*1.8E-11	1.6E-11	1.6E-11	1.6E-11	1.6E-11	2.1E-09	2.1E-09	2.9E-10	6.0E-10	8.5E-10	8.5E-10	1.2E-09	1.2E-09	2.1E-09	1.4E-09	*1.6E-11
.5	3.5E-10	3.1E-10	3.1E-10	3.1E-10	3.1E-10	1.5E-08	1.5E-08	1.1E-08	7.2E-09	*8.3E-09	3.6E-09	9.5E-09	9.5E-09	1.5E-08	1.1E-08	3.1E-10
.5	7.3E-10	6.6E-10	6.6E-10	6.6E-10	*6.6E-10	2.4E-08	2.4E-08	2.1E-08	1.2E-08	1.6E-08	6.5E-09	1.6E-08	1.6E-08	2.4E-08	1.8E-08	6.6E-10
.5	1.4E-09	1.3E-09	1.3E-09	1.3E-09	1.3E-09	3.8E-08	3.8E-08	3.8E-08	2.0E-08	2.6E-08	*1.6E-08	2.6E-08	2.6E-08	3.8E-08	2.9E-08	1.3E-09
.5	4.5E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	8.8E-08	9.8E-08	9.8E-08	5.1E-08	7.2E-08	7.2E-08	*5.7E-08	5.7E-08	*8.0E-08	6.3E-08	4.1E-09
.6	1.7E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	2.1E-07	2.5E-07	2.5E-07	*1.4E-07	2.1E-07	2.1E-07	1.4E-07	*1.8E-07	1.9E-07	*1.6E-07	1.6E-08
.6	4.6E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	3.9E-07	4.5E-07	*4.5E-07	3.4E-07	3.9E-07	4.2E-07	2.8E-07	3.9E-07	3.6E-07	3.1E-07	5.6E-08
.7	6.1E-08	5.8E-08	5.8E-08	5.8E-08	5.8E-08	4.6E-07	*5.3E-07	6.1E-07	4.0E-07	4.6E-07	5.0E-07	4.0E-07	4.6E-07	4.3E-07	3.7E-07	7.4E-08
.7	7.8E-08	7.4E-08	7.4E-08	7.4E-08	7.4E-08	*5.4E-07	6.2E-07	7.0E-07	7.4E-07	6.2E-07	5.8E-07	4.8E-07	5.8E-07	5.1E-07	4.4E-07	9.4E-08
1.0	7.6E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.6E-06	2.3E-06	2.2E-06	2.3E-06	2.1E-06	2.3E-06	8.4E-07
1.5	1.8E-06	2.6E-06	1.8E-06	1.8E-06	1.8E-06	3.2E-06	3.2E-06	3.4E-06	3.6E-06	3.4E-06	3.3E-06	3.4E-06	3.5E-06	3.4E-06	3.2E-06	1.9E-06
2.0	2.7E-06	2.8E-06	2.8E-06	2.8E-06	2.0E-06	2.9E-06	2.9E-06	3.0E-06	3.1E-06	3.2E-06	3.0E-06	3.0E-06	3.1E-06	3.0E-06	2.8E-06	2.1E-06
2.5	2.5E-06	2.4E-06	3.4E-06	2.3E-06	2.1E-06	2.3E-06	2.3E-06	2.4E-06	2.4E-06	2.6E-06	2.5E-06	2.4E-06	2.4E-06	2.5E-06	2.3E-06	2.3E-06
3.0	2.0E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.1E-0[illegible]	[illegible].0E-06	1.9E-06	1.9E-06	2.0E-06	1.9E-06	2.0E-06
3.5	1.6E-06	1.6E-06	1.6E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06
4.0	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.2E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
4.5	1.1E-06	1.1E-06	1.1E-06	1.0E-06	1.1E-06	1.0E-06	1.0E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
5.0	9.0E-07	9.0E-07	8.9E-07	8.8E-07	8.9E-07	8.7E-07	8.8E-07	8.8E-07	8.9E-07	9.4E-07	9.1E-07	9.0E-07	9.1E-07	9.1E-07	9.0E-07	9.2E-07
6.0	6.6E-07	6.6E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.3E-07	6.8E-07	6.6E-07	6.6E-07	6.7E-07	6.6E-07	6.7E-07	6.7E-07
7.0	5.1E-07	5.0E-07	5.0E-07	4.9E-07	5.0E-07	4.9E-07	4.9E-07	4.9E-07	5.0E-07	5.1E-07	5.0E-07	5.0E-07	5.1E-07	5.0E-07	5.1E-07	5.1E-07
8.0	4.0E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	4.0E-07	3.9E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07
9.0	3.2E-07	3.2E-07	3.2E-07	3.1E-07	3.2E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07
10.0	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
15.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
20.0	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08
25.0	4.6E-08	4.6E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08
30.0	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08
40.0	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08
50.0	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08
MAX CONC	2.7E-06	2.8E-06	2.8E-06	2.8E-06	2.1E-06	3.2E-06	3.2E-06	3.4E-06	3.6E-06	3.4E-06	3.3E-06	3.4E-06	3.5E-06	3.4E-06	3.2E-06	2.3E-06
DIST(MI)	2.0	2.0	2.0	2.0	2.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. 08-24

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE HIGH FLOW
STABILITY UNSTABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	1.4E-07	*1.3E-07	*1.3E-07	1.3E-07	1.3E-07	2.4E-06	2.2E-06	7.9E-07	9.8E-07	1.5E-06	1.5E-06	1.8E-06	1.8E-06	2.4E-06	2.0E-06	1.3E-07
.4	2.1E-07	1.9E-07	1.9E-07	*1.9E-07	1.9E-07	2.8E-06	2.8E-06	1.0E-06	1.5E-06	1.8E-06	1.8E-06	2.1E-06	2.1E-06	2.8E-06	2.3E-06	1.9E-07
.4	*2.8E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	3.1E-06	3.1E-06	1.2E-06	1.7E-06	2.0E-06	2.0E-06	2.4E-06	2.4E-06	3.1E-06	2.6E-06	*2.6E-07
.5	5.8E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	3.9E-06	3.9E-06	3.4E-06	2.8E-06	*3.0E-06	2.0E-06	3.2E-06	3.2E-06	3.9E-06	3.4E-06	5.5E-07
.5	6.9E-07	6.6E-07	6.8E-07	6.6E-07	*6.8E-07	4.1E-06	4.1E-06	3.9E-06	3.0E-06	3.4E-06	2.2E-06	3.4E-06	3.4E-06	4.1E-06	3.6E-06	6.6E-07
.5	8.1E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	4.3E-06	4.3E-06	4.3E-06	3.2E-06	3.6E-06	*2.8E-06	3.6E-06	3.6E-06	4.3E-06	3.8E-06	7.7E-07
.5	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	4.7E-06	4.9E-06	4.9E-06	3.7E-06	4.3E-06	4.3E-06	*3.9E-06	3.9E-06	*4.5E-06	4.0E-06	1.0E-06
.6	1.4E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	4.9E-06	5.3E-06	5.3E-06	*4.1E-06	4.9E-06	4.9E-06	4.1E-06	*4.5E-06	4.7E-06	*4.3E-06	1.3E-06
.6	1.7E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	4.9E-06	5.2E-06	*5.2E-06	4.6E-06	4.9E-06	5.1E-06	4.2E-06	4.9E-06	4.8E-06	4.4E-06	1.9E-06
.7	1.9E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	4.9E-06	*5.2E-06	5.5E-06	4.6E-06	4.9E-06	5.0E-06	4.6E-06	4.9E-06	4.7E-06	4.4E-06	1.9E-06
.7	1.8E-06	1.6E-06	1.8E-06	1.8E-06	1.8E-06	*4.8E-06	5.2E-06	5.5E-06	5.6E-06	5.2E-06	5.0E-06	4.6E-06	5.0E-06	4.7E-06	4.4E-06	2.0E-06
1.0	2.3E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	4.0E-06	4.0E-06	4.0E-06	4.1E-06	4.2E-06	4.0E-06	3.9E-06	4.0E-06	3.8E-06	4.0E-06	2.4E-06
1.5	1.8E-06	2.2E-06	1.8E-06	1.8E-06	1.8E-06	2.4E-06	2.4E-06	2.5E-06	2.5E-06	2.5E-06	2.4E-06	2.5E-06	2.5E-06	2.5E-06	2.4E-06	1.9E-06
2.0	1.5E-06	1.5E-06	1.6E-06	1.6E-06	1.3E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.3E-06
2.5	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.0E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
3.0	8.3E-07	8.2E-07	8.2E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.2E-07	8.2E-07	8.4E-07	8.3E-07	8.2E-07	8.2E-07	8.3E-07	8.2E-07	8.3E-07
3.5	6.4E-07	6.4E-07	6.3E-07	6.2E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.4E-07	6.4E-07	6.3E-07	6.3E-07	6.4E-07	6.4E-07	6.4E-07
4.0	5.0E-07	5.1E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.1E-07	5.1E-07	5.0E-07	5.1E-07	5.1E-07	5.0E-07	5.1E-07
4.5	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.2E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
5.0	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.5E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.5E-07
6.0	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07
7.0	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
8.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
9.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
10.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
15.0	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08
20.0	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08
25.0	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08
30.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
40.0	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09
50.0	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09
MAX CONC	2.3E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	4.9E-06	5.3E-06	5.5E-06	5.6E-06	5.2E-06	5.1E-06	4.6E-06	5.0E-06	4.8E-06	4.4E-06	2.4E-06
DIST(MI)	1.0	1.0	1.0	1.0	1.0	.6	.6	.7	.7	.7	.6	.7	.7	.6	.7	1.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ-25

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE HIGH FLOW
STABILITY UNSTABLE
SPEED 5. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	2.8E-07	*2.6E-07	*2.6E-07	2.6E-07	2.6E-07	3.2E-06	3.0E-06	1.3E-06	1.8E-06	2.1E-06	2.1E-06	2.8E-06	2.8E-06	3.2E-06	2.7E-06	2.6E-07
.4	3.7E-07	3.4E-07	3.4E-07	*3.4E-07	3.4E-07	3.5E-06	3.5E-06	1.5E-06	2.0E-06	2.4E-06	2.4E-06	2.7E-06	2.7E-06	3.5E-06	3.0E-06	3.4E-07
.4	*4.6E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	3.7E-06	3.7E-06	1.6E-06	2.2E-06	2.6E-06	2.6E-06	2.9E-06	2.9E-06	3.7E-06	3.1E-06	*4.3E-07
.5	7.7E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	4.0E-06	4.0E-06	3.6E-06	3.0E-06	*3.2E-06	2.3E-06	3.4E-06	3.4E-06	4.0E-06	3.6E-06	7.3E-07
.5	8.7E-07	8.3E-07	8.3E-07	8.3E-07	*8.3E-07	4.1E-06	4.1E-06	3.9E-06	3.1E-06	3.5E-06	2.4E-06	3.5E-06	3.5E-06	4.1E-06	3.6E-06	8.3E-07
.5	9.7E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	4.1E-06	4.1E-06	4.1E-06	3.2E-06	3.5E-06	*2.9E-06	3.5E-06	3.5E-06	4.1E-06	3.7E-06	9.3E-07
.6	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	4.3E-06	4.4E-06	4.4E-06	3.4E-06	3.9E-06	3.9E-06	*3.6E-06	3.6E-06	*4.1E-06	3.7E-06	1.1E-06
.6	1.4E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	4.1E-06	4.4E-06	4.4E-06	*3.8E-06	4.1E-06	4.1E-06	3.6E-06	*3.9E-06	4.0E-06	*3.7E-06	1.3E-06
.6	1.6E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	3.9E-06	4.2E-06	*4.2E-06	3.7E-06	3.9E-06	4.1E-06	3.5E-06	3.9E-06	3.8E-06	3.6E-06	1.7E-06
.7	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	3.9E-06	*4.1E-06	4.3E-06	3.7E-06	3.9E-06	4.0E-06	3.7E-06	3.9E-06	3.8E-06	3.5E-06	1.7E-06
.7	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	*3.8E-06	4.0E-06	4.2E-06	4.3E-06	4.0E-06	3.9E-06	3.6E-06	3.9E-06	3.7E-06	3.5E-06	1.8E-06
1.0	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	2.7E-06	2.7E-06	2.7E-06	2.8E-06	2.8E-06	2.7E-06	2.7E-06	2.7E-06	2.6E-06	2.7E-06	1.8E-06
1.5	1.2E-06	1.4E-06	1.2E-06	1.2E-06	1.2E-06	1.5E-06	1.5E-06	1.6E-06	1.6E-06	1.6E-06	1.5E-06	1.6E-06	1.6E-06	1.6E-06	1.5E-06	1.2E-06
2.0	9.6E-07	9.7E-07	9.8E-07	9.8E-07	8.4E-07	9.8E-07	9.8E-07	9.9E-07	1.0E-06	1.0E-06	9.9E-07	1.0E-06	1.0E-06	1.0E-06	9.8E-07	8.6E-07
2.5	7.0E-07	6.9E-07	6.9E-07	6.8E-07	6.5E-07	6.8E-07	6.8E-07	6.9E-07	6.9E-07	7.0E-07	7.0E-07	6.9E-07	6.9E-07	7.0E-07	6.8E-07	6.8E-07
3.0	5.1E-07	5.1E-07	5.1E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.1E-07	5.1E-07	5.2E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07
3.5	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	4.0E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07
4.0	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07
4.5	2.6E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.6E-07	2.6E-07	2.5E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
5.0	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07
6.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	1.5E-07	1.5E-07	1.6E-07	1.5E-07	1.6E-07	1.6E-07
7.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
8.0	9.4E-08	9.4E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.3E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08
9.0	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08	7.6E-08
10.0	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08
15.0	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08
20.0	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
25.0	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
30.0	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09	9.1E-09
40.0	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09	5.5E-09
50.0	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09	3.7E-09
MAX CONC	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	4.3E-06	4.4E-06	4.4E-06	4.3E-06	4.1E-06	4.1E-06	3.7E-06	3.9E-06	4.1E-06	3.7E-06	1.8E-06
DIST(MI)	1.0	1.0	1.0	1.0	1.0	.5	.5	.5	.7	.6	.6	.7	.6	.5	.5	.7

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DQ-26

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE HIGH FLOW
STABILITY STABLE
SPEED 1. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	C.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	8.0E-14	0.	0.	0.	0.	0.	0.
6.0	3.7E-15	1.3E-15	0.	0.	0.	0.	0.	0.	0.	7.2E-12	0.	0.	6.6E-14	9.8E-15	6.6E-14	2.6E-14
7.0	1.4E-11	1.4E-13	1.6E-15	0.	3.4E-15	0.	0.	0.	0.	1.4E-10	9.2E-14	3.1E-13	3.2E-12	1.5E-12	4.5E-10	8.4E-10
8.0	1.6E-10	6.9E-12	1.8E-12	1.9E-14	1.7E-13	1.9E-14	1.9E-14	1.3E-14	4.2E-14	1.1E-09	1.5E-11	2.5E-11	4.8E-11	9.8E-10	2.9E-09	4.8E-09
9.0	3.2E-08	5.7E-10	2.1E-11	8.9E-13	2.8E-12	4.6E-13	4.6E-13	3.3E-13	8.9E-13	4.7E-09	5.7E-10	2.2E-10	3.4E-10	1.7E-08	5.8E-08	5.8E-08
10.0	7.4E-08	2.3E-09	1.4E-10	8.8E-12	2.4E-11	5.0E-12	5.0E-12	3.8E-12	8.8E-12	1.4E-08	3.1E-09	5.5E-09	2.3E-09	4.3E-08	1.2E-07	1.2E-07
15.0	6.2E-07	8.9E-08	1.6E-08	8.3E-09	6.8E-09	2.8E-09	2.8E-09	2.4E-09	3.9E-09	2.5E-07	1.3E-07	2.4E-07	1.3E-07	4.6E-07	8.3E-07	8.3E-07
20.0	1.3E-06	4.7E-07	1.3E-07	1.3E-07	6.6E-08	3.7E-08	3.7E-08	3.3E-08	4.5E-08	7.2E-07	9.0E-07	7.0E-07	1.0E-06	1.1E-06	1.6E-06	1.6E-06
25.0	1.8E-06	8.5E-07	3.3E-07	3.3E-07	2.0E-07	1.3E-07	1.3E-07	1.2E-07	1.5E-07	1.2E-06	1.4E-06	3.0E-06	1.5E-06	1.6E-06	2.1E-06	2.1E-06
30.0	2.1E-06	1.1E-06	5.5E-07	5.5E-07	3.8E-07	2.7E-07	2.7E-07	2.6E-07	3.1E-07	1.5E-06	1.7E-06	3.0E-06	2.1E-06	1.8E-06	2.3E-06	2.3E-06
40.0	3.3E-06	2.1E-06	8.6E-07	8.6E-07	6.8E-07	5.4E-07	5.4E-07	5.2E-07	5.9E-07	1.7E-06	3.2E-06	2.7E-06	2.8E-06	1.9E-06	2.2E-06	4.7E-06
50.0	2.5E-06	1.9E-06	9.6E-07	9.6E-07	8.0E-07	6.9E-07	f.9E-07	6.7E-07	7.3E-07	1.8E-06	2.5E-06	2.2E-06	3.1E-06	1.7E-06	1.9E-06	3.3E-06
MAX CONC	3.3E-06	2.1E-06	9.6E-07	9.6E-07	8.0E-07	6.9E-07	6.9E-07	6.7E-07	7.3E-07	1.7E-06	3.2E-06	3.0E-06	3.1E-06	1.9E-06	2.3E-06	4.7E-06
DIST(MI)	40.0	40.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	40.0	40.0	30.0	50.0	40.0	30.0	40.0

TABLE NO. DQ-27

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE HIGH FLOW
STABILITY STABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.3E-13	0.	0.	0.	0.	0.	0.
2.5	5.6E-12	6.4E-15	6.4E-15	0.	0.	0.	0.	1.6E-14	5.1E-13	1.1E-10	1.2E-11	2.2E-13	5.1E-13	1.2E-11	0.	0.
3.0	1.9E-10	7.9E-12	7.9E-12	1.1E-13	5.3E-14	2.4E-13	4.9E-13	7.9E-12	2.9E-11	2.7E-08	6.0E-10	1.5E-11	2.9E-11	3.4E-10	2.0E-12	6.0E-10
3.5	3.0E-09	3.0E-09	1.5E-10	4.8E-12	1.6E-11	8.7E-12	1.6E-11	1.8E-10	4.2E-10	2.1E-07	2.1E-08	2.5E-10	4.2E-10	3.0E-09	3.0E-09	3.1E-08
4.0	1.3E-08	2.8E-08	1.1E-09	1.7E-10	2.6E-09	1.1E-10	1.7E-10	1.1E-09	2.6E-09	1.3E-06	2.5E-07	6.0E-09	2.8E-08	2.8E-08	1.3E-08	9.3E-08
4.5	1.5E-07	7.5E-08	6.9E-09	3.2E-09	1.4E-08	6.6E-10	9.9E-10	4.7E-09	9.9E-09	2.9E-06	4.6E-07	3.9E-08	[illegible]	7.7E-07	1.5E-07	6.0E-07
5.0	4.6E-07	1.5E-07	4.9E-08	1.0E-08	3.6E-08	2.6E-09	3.7E-09	1.4E-08	3.6E-08	1.7E-05	7.3E-07	2.8E-07	[illegible]	[illegible]	2.8E-07	3.0E-06
6.0	2.2E-06	1.6E-06	1.7E-07	4.9E-08	1.3E-07	3.8E-08	8.2E-08	6.4E-08	1.3E-07	1.8E-05	1.3E-06	7.7E-07	[illegible]	[illegible]	5.2E-06	4.0E-06
7.0	8.3E-06	2.2E-06	4.3E-07	1.3E-07	5.7E-07	2.0E-07	2.0E-07	1.7E-07	3.0E-07	1.3E-05	1.9E-06	2.9E-06	5.7E-06	4.6E-06	1.6E-05	1.7E-05
8.0	8.0E-06	3.3E-06	2.1E-06	3.7E-07	8.8E-07	3.7E-07	3.7E-07	3.1E-07	5.1E-07	1.2E-05	4.2E-06	4.9E-06	5.9E-06	1.2E-05	1.4E-05	1.5E-05
9.0	1.3E-05	6.7E-06	2.4E-06	7.3E-07	1.2E-06	5.6E-07	5.6E-07	4.9E-07	7.3E-07	1.1E-05	6.7E-06	5.1E-06	5.8E-06	1.3E-05	1.4E-05	1.4E-05
10.0	1.2E-05	6.4E-06	2.7E-06	9.5E-07	1.4E-06	7.5E-07	7.5E-07	6.7E-07	9.6E-07	9.5E-06	6.8E-06	7.8E-06	6.4E-06	1.1E-05	1.2E-05	1.2E-05
15.0	6.6E-06	4.7E-06	2.9E-06	2.2E-06	2.0E-06	1.4E-06	1.4E-06	1.3E-06	1.6E-06	5.9E-06	5.2E-06	5.9E-06	5.2E-06	6.4E-06	6.7E-06	6.7E-06
20.0	4.4E-06	3.7E-06	2.8E-06	2.5E-06	2.0E-06	1.6E-06	1.6E-06	1.8E-06	1.7E-06	4.1E-06	4.2E-06	4.1E-06	4.3E-06	4.3E-06	4.4E-06	4.4E-06
25.0	3.1E-06	2.8E-06	2.1E-06	2.1E-06	1.8E-06	1.5E-06	1.5E-06	1.4E-06	1.6E-06	3.0E-06	3.0E-06	3.2E-06	3.1E-06	3.1E-06	3.2E-06	3.2E-06
30.0	2.3E-06	2.1E-06	1.7E-06	1.7E-06	1.5E-06	1.3E-06	1.3E-06	1.3E-06	1.4E-06	2.2E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06
40.0	1.4E-06	1.4E-06	1.1E-06	1.1E-06	1.0E-06	9.4E-07	9.4E-07	9.2E-07	9.7E-07	1.3E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
50.0	8.5E-07	8.5E-07	7.3E-07	7.3E-07	6.8E-07	6.4E-07	6.4E-07	6.3E-07	6.6E-07	8.3E-07	8.5E-07	8.5E-07	8.5E-07	8.4E-07	8.5E-07	8.5E-07
MAX CONC	1.3E-05	6.7E-06	2.9E-06	2.5E-06	2.0E-06	1.6E-05	1.6E-06	1.8E-06	1.7E-06	1.7E-05	6.8E-06	7.8E-06	6.4E-06	1.3E-05	1.6E-05	1.7E-05
DIST(MI)	9.0	9.0	15.0	20.0	15.0	20.0	20.0	20.0	20.0	8.0	10.0	10.0	10.0	9.0	7.0	7.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. DG-28

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
STACK RELEASE HIGH FLOW
STABILITY STABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	**NNE**	**NE**	**ENE**	**E**	**ESE**	**SE**	**SSE**	**S**	**SSW**	**SW**	**WSW**	**W**	**WNW**	**NW**	**NNW**	**N**
DISTANCE MILES																
.4	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	*0.	0.	*0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1.5	0.	0.	0.	0.	0.	0.	0.	0.	1.3E-15	0.	0.	0.	0.	0.	0.	0.
2.0	0.	0.	1.2E-15	1.2E-15	0.	3.6E-15	3.6E-15	8.3E-14	3.9E-12	2.7E-10	8.3E-14	1.5E-12	3.9E-12	1.5E-12	1.2E-15	0.
2.5	1.8E-09	7.6E-12	7.6E-12	7.2E-13	0.	1.6E-12	1.6E-12	1.6E-11	2.6E-10	1.8E-08	3.2E-09	1.3E-10	2.6E-10	3.2E-09	7.2E-13	5.9E-14
3.0	1.4E-08	1.1E-09	1.1E-09	3.4E-11	1.8E-11	6.4E-11	1.2E-10	1.1E-09	3.3E-09	6.3E-07	3.6E-08	1.9E-09	3.3E-09	2.3E-08	3.7E-10	3.6E-08
3.5	7.9E-08	7.9E-08	7.1E-09	4.3E-10	1.1E-09	7.0E-10	1.1E-09	7.1E-09	1.7E-08	1.9E-06	3.5E-07	1.1E-08	1.7E-08	7.9E-08	7.9E-08	4.8E-07
4.0	1.8E-07	3.3E-07	2.8E-08	5.8E-09	5.1E-08	3.7E-09	5.5E-09	2.5E-08	5.1E-08	5.5E-06	1.7E-06	9.8E-08	3.3E-07	3.3E-07	1.8E-07	8.2E-07
4.5	9.5E-07	5.5E-07	8.4E-08	4.8E-08	1.5E-07	1.2E-08	1.7E-08	6.2E-08	1.1E-07	7.8E-06	2.2E-06	3.3E-07	2.2E-06	3.1E-06	9.5E-07	2.6E-06
5.0	1.8E-06	7.9E-07	3.3E-07	9.3E-08	2.6E-07	3.0E-08	4.0E-08	1.2E-07	2.6E-07	1.8E-05	2.6E-06	1.3E-06	3.5E-06	3.5E-06	[illegible].3E-06	7.0E-06
6.0	4.5E-06	3.6E-06	8.4E-07	2.4E-07	5.3E-07	2.0E-07	3.6E-07	3.0E-07	5.3E-07	1.4E-05	3.2E-06	2.1E-06	8.0E-06	5.6E-06	8.0E-06	6.8E-06
7.0	9.1E-06	3.8E-06	1.1E-06	4.4E-07	1.4E-06	6.0E-07	6.0E-07	5.1E-07	8.2E-07	1.1E-05	3.4E-06	4.6E-06	7.3E-06	6.4E-06	1.2E-05	1.2E-05
8.0	7.9E-06	4.5E-06	3.2E-06	8.4E-07	1.7E-06	8.4E-07	8.4E-07	7.3E-07	1.1E-06	9.8E-06	5.3E-06	5.9E-06	6.6E-06	9.5E-06	9.7E-06	9.7E-06
9.0	8.2E-06	6.4E-06	3.3E-06	1.3E-06	1.9E-06	1.0E-06	1.0E-06	9.3E-07	1.3E-06	8.1E-06	6.4E-06	5.5E-06	5.9E-06	8.2E-06	8.2E-06	8.2E-06
10.0	7.1E-06	5.8E-06	3.2E-06	1.4E-06	2.0E-06	1.2E-06	1.2E-06	1.1E-06	1.4E-06	7.0E-06	6.0E-06	6.8E-06	5.8E-06	7.1E-06	7.1E-06	7.1E-06
15.0	4.0E-06	3.6E-06	2.6E-06	2.1E-06	1.9E-06	1.8E-06	1.5E-06	1.4E-06	1.6E-06	4.0E-06	3.8E-06	4.0E-06	3.8E-06	4.0E-06	4.0E-06	4.0E-06
20.0	2.6E-06	2.5E-06	2.0E-06	2.0E-06	1.6E-06	1.4E-06	1.4E-06	1.3E-06	1.5E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06
25.0	1.9E-06	1.8E-06	1.5E-06	1.5E-06	1.3E-06	1.2E-06	1.2E-06	1.1E-06	1.2E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06
30.0	1.4E-06	1.4E-06	1.2E-06	1.2E-06	1.1E-06	9.6E-07	9.6E-07	9.4E-07	1.0E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
40.0	8.4E-07	8.4E-07	7.5E-07	7.5E-07	7.0E-07	6.6E-07	6.6E-07	6.5E-07	6.7E-07	6.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07
50.0	5.4E-07	5.4E-07	5.0E-07	6.0E-07	4.7E-07	4.8E-07	4.5E-07	4.8E-07	4.6E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
MAX CONC	9.1E-06	6.4E-06	3.3E-06	2.1E-06	2.0E-06	1.8E-06	1.8E-06	1.4E-06	1.6E-06	1.8E-05	6.4E-06	6.8E-06	8.0E-06	9.5E-06	1.2E-05	1.2E-05
DIST(MI)	7.0	9.0	9.0	15.0	10.0	15.0	15.0	15.0	15.0	5.0	9.0	10.0	6.0	8.0	7.0	7.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. OQ-29

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	1.9E-06	*1.8E-06	*1.9E-06	1.9E-06	1.9E-06	1.9E-06	8.9E-06	1.6E-05	2.8E-05	3.3E-05	6.4E-05	5.1E-05	6.4E-05	5.1E-05	1.9E-06	1.9E-06
.2	*3.1E-06	3.1E-06	3.1E-06	*3.1E-06	3.1E-06	3.1E-06	1.2E-05	1.9E-05	3.0E-05	4.5E-05	6.6E-05	5.4E-05	6.6E-05	5.4E-05	3.1E-06	*3.1E-06
.3	7.7E-06	7.7E-06	7.7E-06	7.7E-06	*7.7E-06	7.7E-06	5.0E-05	5.0E-05	3.8E-05	5.0E-05	6.6E-05	5.7E-05	6.6E-05	5.7E-05	7.7E-06	7.7E-06
.4	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	5.5E-05	5.5E-05	4.3E-05	4.7E-05	5.5E-05	5.9E-05	5.9E-05	5.5E-05	*1.4E-05	1.4E-05
.5	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	*1.8E-05	4.5E-05	4.5E-05	3.8E-05	3.8E-05	4.3E-05	4.5E-05	4.5E-05	4.3E-05	1.8E-05	1.8E-05
.5	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	4.1E-05	4.1E-05	3.7E-05	3.6E-05	3.9E-05	4.1E-05	4.1E-05	*3.9E-05	1.8E-05	1.8E-05
.6	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	3.9E-05	3.9E-05	3.6E-05	3.8E-05	3.8E-05	3.9E-05	*3.9E-05	3.8E-05	1.8E-05	1.8E-05
.6	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	3.8E-05	3.8E-05	3.6E-05	*3.3E-05	3.6E-05	3.8E-05	3.8E-05	3.6E-05	1.8E-05	1.8E-05
.6	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	3.6E-05	3.7E-05	3.5E-05	3.2E-05	*3.5E-05	3.6E-05	3.6E-05	3.5E-05	1.8E-05	1.8E-05
.7	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	*3.1E-05	3.2E-05	3.2E-05	3.1E-05	3.0E-05	*3.1E-05	3.1E-05	3.0E-05	2.8E-05	1.7E-05
.7	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	2.9E-05	3.1E-05	*3.1E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.7E-05	1.7E-05
.7	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	2.8E-05	*3.0E-05	3.0E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	1.7E-05
1.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.8E-05	1.8E-05	1.8E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.3E-05
1.5	7.8E-06	8.7E-06	8.1E-06	7.8E-06	7.8E-06	8.7E-06	9.1E-06	9.1E-06	9.2E-06	9.1E-06	9.1E-06	9.1E-06	9.2E-06	9.1E-06	9.0E-06	7.8E-06
2.0	5.7E-06	5.6E-06	5.6E-06	5.6E-06	5.1E-06	5.5E-06	5.6E-06	5.6E-06	5.7E-06	5.7E-06	5.6E-06	5.7E-06	5.7E-06	5.6E-06	5.6E-06	5.1E-06
2.5	3.9E-06	3.8E-06	3.9E-06	3.8E-06	3.8F-06	3.8E-06	3.8E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.8E-06	3.8E-06
3.0	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06
3.5	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06
4.0	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
4.5	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
5.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
6.0	8.7E-07	8.7E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07
7.0	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.5E-07	6.6E-07
8.0	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07
9.0	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07
10.0	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07
15.0	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07
20.0	1.1E-07	1.1E-07	1.1F-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
25.0	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08
30.0	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08
40.0	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08
50.0	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08
MAX CONC	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	5.5E-05	5.5E-05	4.3E-05	5.0E-05	6.6E-05	5.9E-05	6.4E-05	5.7E-05	2.8E-05	1.8E-05
DIST(MI)	.6	.6	.6	.6	.6	.6	.4	.4	.4	.3	.2	.4	.2	.3	.7	.6

TABLE NO. V- 1

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	3.9E-06	*3.9E-05	*3.9E-06	3.9E-06	3.9E-06	3.9E-06	1.3E-05	1.9E-05	2.8E-05	3.2E-05	5.0E-05	4.3E-05	5.0E-05	4.3E-05	3.9E-06	3.9E-06
.2	*5.0E-06	5.0E-06	5.0E-06	*5.0E-06	5.0E-06	5.0E-06	1.4E-05	2.0E-05	2.8E-05	3.6E-05	4.6E-05	4.1E-05	4.6E-05	4.1E-05	5.0E-06	*5.0E-06
.3	7.7E-06	7.7E-06	7.7E-06	7.7E-06	*7.7E-06	7.7E-06	3.1E-05	3.1E-05	2.8E-05	3.1E-05	3.6E-05	3.3E-05	3.6E-05	3.3E-05	7.7E-06	7.7E-06
.4	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	2.5E-05	2.5E-05	2.2E-05	2.3E-05	2.8E-05	2.7E-05	2.5E-05	2.8E-05	*9.6E-06	9.6E-06
.5	9.4E-06	9.4E-06	9.4E-06	9.4E-06	9.4E-06	*9.4E-06	1.8E-05	1.8E-05	1.6E-05	1.6E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	9.4E-06	9.4E-06
.5	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	1.6E-05	1.6E-05	1.5E-05	1.5E-05	1.6E-05	1.6E-05	1.6E-05	*1.6E-05	9.0E-06	9.0E-06
.6	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.5E-05	*1.5E-05	1.5E-05	8.8E-06	8.8E-06
.6	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	1.5E-05	1.5E-05	1.4E-05	*1.3E-05	1.4E-05	1.5E-05	1.5E-05	1.4E-05	8.6E-06	8.6E-06
.6	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	1.4E-05	1.4E-05	1.4E-05	1.3E-05	*1.4E-05	1.4E-05	1.4E-05	1.4E-05	8.5E-06	8.5E-06
.7	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	*1.1E-05	1.2E-05	1.2E-05	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	7.6E-06
.7	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.0E-05	7.5E-06
.7	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	1.0E-05	*1.1E-05	1.1E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	7.3E-06
1.0	4.9E-06	4.8E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	6.2E-06	6.2E-06	6.2E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	4.9E-06
1.5	2.8E-06	3.0E-06	2.9E-06	2.8E-06	2.8E-06	3.0E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	2.8E-06
2.0	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06
2.5	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
3.0	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.4E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07
3.5	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07
4.0	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07
4.5	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07
5.0	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07
6.0	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07
7.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
8.0	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07
9.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
10.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
15.0	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08
20.0	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08
25.0	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08
30.0	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08
40.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
50.0	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09
MAX CONC	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	3.1E-05	3.1E-05	2.8E-05	3.6E-05	5.0E-05	4.3E-05	5.0E-05	4.3E-05	1.1E-05	9.6E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.7	.4

TABLE NO. V- 2

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	3.9E-06	*3.9E-06	*3.9E-06	3.9E-06	3.9E-06	3.9E-06	1.1E-05	1.6E-05	2.2E-05	2.6E-05	3.6E-05	3.2E-05	3.6E-05	3.2E-05	3.9E-06	3.9E-06
.2	*4.7E-06	4.7E-06	4.7E-06	*4.7E-06	4.7E-06	4.7E-06	1.2E-05	1.6E-05	2.1E-05	2.7E-05	3.3E-05	3.0E-05	3.3E-05	3.0E-05	4.7E-06	*4.7E-06
.3	6.3E-06	6.3E-06	6.3E-06	6.3E-06	*6.3E-06	6.3E-06	2.1E-05	2.1E-05	1.8E-05	2.1E-05	2.5E-05	2.3E-05	2.5E-05	2.3E-05	6.3E-06	6.3E-06
.4	7.0E-06	7.0E-06	7.0E-06	7.0E-06	7.0E-06	7.0E-06	1.6E-05	1.6E-05	1.4E-05	1.5E-05	1.6E-05	1.7E-05	1.6E-05	1.6E-05	*7.0E-06	7.0E-06
.5	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	*6.4E-06	1.1E-05	1.1E-05	1.0E-05	1.0E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	6.4E-06	6.4E-06
.5	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	1.0E-05	1.0E-05	9.6E-06	9.4E-06	9.9E-06	1.0E-05	1.0E-05	*9.9E-06	6.1E-06	6.1E-06
.6	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	9.5E-06	9.5E-06	9.2E-06	8.9E-06	9.4E-06	9.5E-06	*9.5E-06	9.4E-06	5.9E-06	5.9E-06
.6	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	9.0E-06	9.0E-06	8.9E-06	*8.8E-06	8.9E-06	9.0E-06	9.0E-06	8.9E-06	5.7E-06	5.7E-06
.6	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	8.6E-06	8.7E-06	8.4E-06	8.1E-06	*8.4E-06	8.6E-06	8.6E-06	8.4E-06	5.6E-06	5.6E-06
.7	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	*7.0E-06	7.2E-06	7.2E-06	7.0E-06	7.0E-06	*7.0E-06	7.0E-06	7.0E-06	6.7E-06	5.0E-06
.7	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	6.7E-06	6.8E-06	*6.9E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.6E-06	6.4E-06	4.8E-06
.7	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	6.4E-06	*6.5E-06	6.6E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	4.7E-06
1.0	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.1E-06
1.5	1.7E-06	1.8E-06	1.8E-06	1.7E-06	1.7E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06	1.8E-06	1.9E-06	1.8E-06	1.9E-06	1.8E-06	1.7E-06
2.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
2.5	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.7E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07
3.0	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07
3.5	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07
4.0	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
4.5	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07
5.0	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07
6.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	[illegible]	1.7E-07	1.7E-07	1.7E-07	1.7E-07
7.0	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
8.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
9.0	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08
10.0	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08
15.0	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08
20.0	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08
25.0	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08
30.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
40.0	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09
50.0	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09
MAX CONC	7.0E-06	7.0E-06	7.0E-06	7.0E-06	7.0E-06	7.0E-06	2.1E-05	2.1E-05	2.2E-05	2.7E-05	3.6E-05	3.2E-05	3.6E-05	3.2E-05	7.0E-06	7.0E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.4	.4

TABLE NO. V- 3

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 7. MPH

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DISTANCE MILES																
.2	3.7E-06	*3.7E-06	*3.7E-06	3.7E-06	3.7E-06	3.7E-06	9.9E-06	1.4E-05	1.8E-05	2.1E-05	2.8E-05	2.6E-05	2.8E-05	2.6E-05	3.7E-06	3.7E-06
.2	*4.3E-06	4.3E-06	4.3E-06	*4.3E-06	4.3E-06	4.3E-06	1.0E-05	1.4E-05	1.7E-05	2.1E-05	2.5E-05	2.3E-05	2.5E-05	2.3E-05	4.3E-06	*4.3E-06
.3	5.4E-06	5.4E-06	5.4E-06	5.4E-06	*5.4E-06	5.4E-06	1.6E-05	1.6E-05	1.4E-05	1.6E-05	1.8E-05	1.7E-05	[illegible]	1.7E-05	5.4E-06	5.4E-06
.4	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	1.2E-05	1.2E-05	1.1E-05	1.1E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	*5.6E-06	5.6E-06
.5	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	*4.9E-06	8.2E-06	8.2E-06	7.7E-06	7.7E-06	8.1E-06	8.2E-06	8.2E-06	8.1E-06	4.9E-06	4.9E-06
.5	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	7.3E-06	7.3E-06	7.0E-06	6.9E-06	7.2E-06	7.3E-06	7.3E-06	*7.2E-06	4.6E-06	4.6E-06
.6	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	6.9E-06	6.9E-06	6.7E-06	6.6E-06	6.8E-06	6.9E-06	*6.9E-06	6.8E-06	4.5E-06	4.5E-06
.6	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	6.5E-06	6.5E-06	6.4E-06	*6.2E-06	6.4E-06	6.5E-06	6.5E-06	6.4E-06	4.3E-06	4.3E-06
.6	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	6.2E-06	6.3E-06	6.1E-06	5.9E-06	*6.1E-06	6.2E-06	6.2E-06	6.1E-06	4.2E-06	4.2E-06
.7	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	*5.1E-06	5.2E-06	5.2E-06	5.1E-06	5.1E-06	*5.1E-06	5.1E-06	5.0E-06	4.9E-06	3.7E-06
.7	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	4.9E-06	4.9E-06	*4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.7E-06	3.6E-06
.7	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	4.6E-06	*4.7E-06	4.7E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	3.5E-06
1.0	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-C6	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.3E-06
1.5	1.2E-06	1.3E-06	1.3E-06	1.2E-06	1.2E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.2E-06
2.0	8.2E-07	8.1E-07	8.2E-07	8.1E-07	7.7E-07	8.1E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.1E-07	7.7E-07
2.5	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.5E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07
3.0	4.1E-C7	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
3.5	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07
4.0	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07
4.5	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-C7	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
5.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
6.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
7.0	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08
8.0	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-09	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08
9.0	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08
10.0	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08
15.0	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08
20.0	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08
25.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
30.0	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09
40.0	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09
50.0	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09
MAX CONC	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	1.6E-05	1.6E-05	1.8E-05	2.1E-05	2.8E-05	2.6E-05	2.8E-05	2.6E-05	5.6E-06	5.6E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.4	.4

TABLE NO. V- 4

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 8. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	1.5E-05	*1.5E-05	*1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.9E-05	2.2E-05	2.4E-05	2.6E-05	2.9E-05	2.8E-05	2.9E-05	2.8E-05	1.5E-05	1.5E-05
.2	*1.4E-05	1.4E-05	1.4E-05	*1.4E-05	1.4E-05	1.4E-05	1.8E-05	2.0E-05	2.2E-05	2.4E-05	2.5E-05	2.4E-05	2.5E-05	2.4E-05	1.4E-05	*1.4E-05
.3	1.1E-05	1.1E-05	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.7E-05	1.7E-05	1.6E-05	1.7E-05	1.8E-05	1.7E-05	1.8E-05	1.7E-05	1.1E-05	1.1E-05
.4	8.2E-06	8.2E-06	8.2E-06	8.2E-06	8.2E-06	8.2E-06	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	*8.2E-06	8.2E-06
.5	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	*5.9E-06	7.4E-06	7.4E-06	7.2E-06	7.2E-06	7.3E-06	7.4E-06	7.4E-06	7.3E-06	5.9E-06	5.9E-06
.5	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	6.5E-06	6.5E-06	6.5E-06	6.4E-06	6.5E-06	6.5E-06	6.5E-06	*6.5E-06	5.3E-06	5.3E-06
.6	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	6.2E-06	6.2E-06	6.1E-06	6.1E-06	6.1E-06	6.2E-06	*6.2E-06	6.1E-06	5.1E-06	5.1E-06
.6	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	5.8E-06	5.8E-06	5.8E-06	*5.7E-06	5.8E-06	5.8E-06	5.8E-06	5.8E-06	4.9E-06	4.9E-06
.6	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	5.5E-06	5.5E-06	5.5E-06	5.4E-06	*5.5E-06	5.5E-06	5.5E-06	5.5E-06	4.7E-06	4.7E-06
.7	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	*4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	*4.5E-06	4.5E-06	4.5E-06	4.5E-06	3.9E-06
.7	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.3E-06	4.3E-06	*4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.2E-06	3.8E-06
.7	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	4.1E-06	*4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	3.6E-06
1.0	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.2E-06
1.5	1.1E-06	1.2E-06	1.1E-06	1.1E-06	1.1E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06
2.0	7.1E-07	7.1E-07	7.1E-07	7.1E-07	7.0E-07	7.1E-07	7.1E-07	7.1E-07	7.1E-07	7.1E-07	7.1E-07	7.1E-07	7.1E-07	7.1E-07	7.1E-07	7.0E-07
2.5	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07
3.0	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07
3.5	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
4.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
4.5	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07
5.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
6.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
7.0	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08
8.0	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08
9.0	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08
10.0	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08
15.0	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08
20.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
25.0	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09
30.0	6.8E-09	6.8E-09	6.8E-09	6.8E-09	6.8E-09	6.8E-09	6.8E-09	6.8E-09	6.8E-09	6.6E-09	6.8E-09	6.8E-09	6.8E-09	6.8E-09	6.8E-09	6.8E-09
40.0	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09	4.1E-09
50.0	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09
MAX CONC	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.9E-05	2.2E-05	2.4E-05	2.6E-05	2.9E-05	2.8E-05	2.9E-05	2.8E-05	1.5E-05	1.5E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V- 5

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 10. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	1.3E-05	*1.3E-05	*1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.6E-05	1.8E-05	2.0E-03	2.1E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	1.3E-05	1.3E-05
.2	*1.2E-05	1.2E-05	1.2E-05	*1.2E-05	1.2E-05	1.2E-05	1.8E-05	1.7E-05	1.8E-05	1.9E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	1.2E-05	*1.2E-05
.3	9.3E-06	9.3E-06	9.3E-06	9.3E-06	*9.3E-06	9.3E-06	1.4E-05	1.4E-05	1.3E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	9.3E-06	9.3E-06
.4	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	9.0E-06	9.0E-06	8.7E-06	8.9E-06	9.0E-06	9.1E-06	9.0E-06	9.0E-06	*6.7E-06	6.7E-06
.5	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	*4.8E-06	5.9E-06	5.9E-06	5.8E-06	5.8E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	4.8E-06	4.8E-06
.5	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	*5.2E-06	4.4E-06	4.4E-06
.6	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	*4.9E-06	4.9E-06	4.2E-06	4.2E-06
.6	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.7E-06	4.7E-06	4.7E-06	*4.6E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.0E-06	4.0E-06
.6	3.6E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	*4.4E-06	4.4E-06	4.4E-06	4.4E-06	3.8E-06	3.8E-06
.7	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	*3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	*3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.2E-06
.7	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.4E-06	3.4E-06	*3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.0E-06
.7	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.3E-06	*3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	2.9E-06
1.0	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06
1.5	9.0E-07	9.3E-07	9.2E-07	9.0E-07	9.0E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.0E-07
2.0	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.6E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.6E-07
2.5	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07
3.0	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07
3.5	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
4.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
4.5	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
5.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
6.0	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08
7.0	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08	6.6E-08
8.0	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08
9.0	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08
10.0	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08
15.0	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08
20.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
25.0	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09
30.0	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09	5.4E-09
40.0	3.3E-09	3.3E-09	3.3E-09	3.3E-09	3.3E-09	3.3E-09	3.3E-09	3.3E-09	3.3E-09	3.3E-09	3.3E-09	3.3E-09	3.3E-09	3.3E-09	3.3E-09	3.3E-09
50.0	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09
MAX CONC	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.6E-05	1.8E-05	2.0E-05	2.1E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	1.3E-05	1.3E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V- 6

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 12. MPH

WIND DIRECTION RANGES	192-213	211-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	2.7E-05	*2.7E-05	*2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.9E-05	[illegible].3E-05	4.4E-05	5.1E-05	7.8E-05	6.8E-05	7.8E-05	6.8E-05	2.7E-05	2.7E-05
.2	*2.5E-05	2.5E-05	2.5E-05	*2.5E-05	2.5E-05	2.5E-05	2.7E-05	3.1E-05	4.1E-05	5.8E-05	6.7E-05	6.2E-05	6.7E-05	6.2E-05	2.5E-05	*2.5E-05
.3	1.9E-05	1.9E-05	1.9E-05	1.9E-05	*1.9E-05	1.9E-05	4.3E-05	4.3E-05	3.4E-05	4.3E-05	5.0E-05	4.7E-05	5.0E-05	4.7E-05	1.9E-05	1.9E-05
.4	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	3.4E-05	3.4E-05	2.8E-05	3.1E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	*1.3E-05	1.3E-05
.5	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	*1.0E-05	2.3E-05	2.3E-05	2.2E-05	2.2E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	1.0E-05	1.0E-05
.5	9.7E-06	9.7E-06	9.7E-06	9.7E-06	9.7E-06	9.7E-06	2.1E-05	2.1E-05	2.0E-05	2.0E-05	2.1E-05	2.1E-05	2.1E-05	*2.1E-05	9.7E-06	9.7E-06
.6	9.4E-06	9.4E-06	9.4E-06	9.4E-06	9.4E-06	9.4E-06	2.0E-05	2.0E-05	1.9E-05	1.9E-05	2.0E-05	2.0E-05	*2.0E-05	2.0E-05	9.4E-06	9.4E-06
.6	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	1.9E-05	1.9E-05	1.9E-05	*1.8E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	9.1E-06	9.1E-06
.6	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	1.8E-05	1.8E-05	1.8E-05	1.7E-05	*1.8E-05	1.8E-05	1.8E-05	1.8E-05	8.8E-06	8.8E-06
.7	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	*1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	*1.5E-05	1.5E-05	1.5E-05	1.4E-05	8.0E-06
.7	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	1.4E-05	1.4E-05	*1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	7.8E-06
.7	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	1.4E-05	*1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	7.6E-06
1.0	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	5.6E-06
1.5	3.5E-06	4.4E-06	3.9E-06	3.5E-06	3.5E-06	4.4E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	3.5E-06
2.0	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.5E-06	2.9E-06	2.9E-06	2.6E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.5E-06
2.5	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
3.0	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06
3.5	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
4.0	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07
4.5	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07
5.0	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07
6.0	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07
7.0	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
8.0	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07
9.0	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07
10.0	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07
15.0	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
20.0	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08
25.0	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08
30.0	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08	4.3E-08
40.0	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08	2.8E-08
50.0	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
MAX CONC	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	4.3E-05	4.3E-05	4.4E-05	5.8E-05	7.8E-05	6.8E-05	7.8E-05	6.8E-05	2.7E-05	2.7E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V- 7

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 15. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	2.2E-05*	2.2E-05*	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.4E-05	2.9E-05	3.9E-05	4.8E-05	6.0E-05	5.9E-05	6.0E-05	5.9E-05	2.2E-05	2.2E-05
.2*	2.0E-05	2.0E-05	2.0E-05*	2.0E-05	2.0E-05	2.0E-05	2.3E-05	2.7E-05	3.7E-05	4.8E-05	5.4E-05	5.3E-05	5.4E-05	5.3E-05	2.0E-05*	2.0E-05
.3	1.5E-05	1.5E-05	1.5E-05	1.5E-05*	1.5E-05	1.5E-05	3.7E-05	3.7E-05	3.0E-05	3.7E-05	4.0E-05	3.9E-05	4.0E-05	3.9E-05	1.5E-05	1.5E-05
.4	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	2.7E-05	2.7E-05	2.4E-05	2.6E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05*	1.1E-05	1.1E-05
.5	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06*	8.6E-06	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	8.6E-06	8.6E-06
.5	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	1.7E-05	1.7E-05	1.7E-05	1.6E-05	1.7E-05	1.7E-05	1.7E-05*	1.7E-05	8.0E-06	8.0E-06
.6	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05*	1.6E-05	1.6E-05	7.8E-06	7.8E-06
.6	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	1.5E-05	1.5E-05	1.5E-05*	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	7.6E-06	7.6E-06
.6	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	1.4E-05	1.4E-05	1.4E-05	1.4E-05*	1.4E-05	1.4E-05	1.4E-05	1.4E-05	7.4E-06	7.4E-06
.7	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06*	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05*	1.2E-05	1.2E-05	1.2E-05	1.2E-05	6.7E-06
.7	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	1.1E-05	1.1E-05*	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	6.5E-06
.7	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	1.1E-05*	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	6.3E-06
1.0	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	4.6E-06
1.5	2.9E-06	3.5E-06	3.2E-06	2.9E-06	2.9E-06	3.5E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	2.9E-06
2.0	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.0E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.0E-06
2.5	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06
3.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
3.5	9.7E-07	9.7E-07	9.7E-07	9.7E-07	9.7E-07	9.7E-07	9.7E-07	9.7E-07	9.7E-07	9.7E-07	9.7E-07	9.7E-07	9.7E-07	9.7E-07	9.7E-07	9.7E-07
4.0	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07
4.5	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07
5.0	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07
6.0	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07
7.0	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07
8.0	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
9.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
10.0	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
15.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
20.0	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08
25.0	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08
30.0	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08	3.4E-08
40.0	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08
50.0	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08
MAX CONC	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	3.7E-05	3.7E-05	3.9E-05	4.8E-05	6.0E-05	5.9E-05	6.0E-05	5.9E-05	2.2E-05	2.2E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V- 8

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 18. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	1.8E-05	*1.8E-05	*1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.1E-05	2.6E-05	3.8E-05	4.1E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	1.8E-05	1.8E-05
.2	*1.7E-05	1.7E-05	1.7E-05	*1.7E-05	1.7E-05	1.7E-05	1.9E-05	2.4E-05	3.3E-05	4.2E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05	1.7E-05	*1.7E-05
.3	1.3E-05	1.3E-05	1.3E-05	1.3E-05	*1.3E-05	1.3E-05	3.2E-05	3.2E-05	3.6E-05	3.2E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	1.3E-05	1.3E-05
.4	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	2.2E-05	2.2E-05	2.1E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	*9.3E-06	9.3E-06
.5	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	*7.4E-06	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	7.4E-06	7.4E-06
.5	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	*1.4E-05	6.9E-06	6.9E-06
.6	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	*1.3E-05	1.3E-05	6.7E-06	6.7E-06
.6	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	1.3E-05	1.3E-05	1.3E-05	*1.2E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	6.5E-06	6.5E-06
.6	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	1.2E-05	1.2E-05	1.2E-05	1.2E-05	*1.2E-05	1.2E-05	1.2E-05	1.2E-05	6.3E-06	6.3E-06
.7	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	*1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	*1.0E-05	1.0E-05	1.0E-05	9.8E-06	5.7E-06
.7	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	9.6E-06	9.6E-06	*9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.5E-06	5.6E-06
.7	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	9.2E-06	*9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	5.4E-06
1.0	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	3.9E-06
1.5	2.4E-06	3.0E-06	2.4E-06	2.4E-06	2.4E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	2.4E-06
2.0	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.7E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.7E-06
2.5	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
3.0	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
3.5	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07
4.0	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07	6.5E-07
4.5	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
5.0	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07
6.0	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
7.0	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
8.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
9.0	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
10.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
15.0	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08
20.0	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08
25.0	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08
30.0	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08
40.0	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08
50.0	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
MAX CONC	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	3.2E-05	3.2E-05	3.8E-05	4.2E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	1.8E-05	1.8E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V- 8

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 22. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DISTANCE MILES	**NNE**	**NE**	**ENE**	**E**	**ESE**	**SE**	**SSE**	**S**	**SSW**	**SW**	**WSW**	**W**	**WNW**	**NW**	**NNW**	**N**
.2	1.5E-05	*1.5E-05	*1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.8E-05	2.3E-05	3.1E-05	3.6E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	1.5E-05	1.5E-05
.2	*1.4E-05	1.4E-05	1.4E-05	*1.4E-05	1.4E-05	1.4E-05	1.7E-05	2.2E-05	2.9E-05	3.6E-05	3.6E-05	3.6E-05	3.6E-05	3.6E-05	1.4E-05	*1.4E-05
.3	1.0E-05	1.0E-05	1.0E-05	1.0E-05	*1.0E-05	1.0E-05	2.7E-05	2.7E-05	2.3E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	1.0E-05	1.0E-05
.4	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	1.8E-05	1.8E-05	1.7E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	*7.8E-06	7.8E-06
.5	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	*6.2E-06	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	6.2E-06	6.2E-06
.5	5.8E-06	5.8E-06	5.8E-06	5.8E-06	5.8E-06	5.8E-06	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	*1.1E-05	5.8E-06	5.8E-06
.6	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	5.7E-06	5.7E-06
.6	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	1.0E-05	1.0E-05	1.0E-05	*1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	5.5E-06	5.5E-06
.6	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	9.8E-06	9.8E-06	9.8E-06	9.7E-06	*9.8E-06	9.8E-06	9.8E-06	9.8E-06	5.4E-06	5.4E-06
.7	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	*8.2E-06	8.2E-06	8.2E-06	8.2E-06	8.2E-06	*8.2E-06	8.2E-06	8.2E-06	8.2E-06	4.8E-06
.7	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	7.8E-06	7.8E-06	*7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	4.7E-06
.7	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	7.5E-06	*7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	4.6E-06
1.0	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	3.3E-06
1.5	2.0E-06	2.4E-06	2.2E-06	2.0E-06	2.0E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.0E-06
2.0	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.4E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.4E-06
2.5	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
3.0	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07
3.5	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07
4.0	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	3.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
4.5	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07
5.0	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07
6.0	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07
7.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
8.0	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07
9.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
10.0	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
15.0	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08	6.9E-08
20.0	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08
25.0	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08	3.1E-08
30.0	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08
40.0	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08
50.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
MAX CONC	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	2.7E-05	2.7E-05	3.1E-05	3.6E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	1.5E-05	1.5E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-10

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 27. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	1.2E-05	*1.2E-05	*1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.5E-05	2.0E-05	2.7E-05	3.1E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	1.2E-05	1.2E-05
.2	*1.1E-05	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.4E-05	1.9E-05	2.5E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	1.1E-05	*1.1E-05
.3	8.7E-06	8.7E-06	8.7E-06	8.7E-06	*8.7E-06	8.7E-06	2.2E-05	2.2E-05	2.0E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	8.7E-06	8.7E-06
.4	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	*6.5E-06	6.5E-06
.5	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	*[illegible]	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	5.2E-06	5.2E-06
.5	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	*9.2E-06	4.9E-06	4.9E-06
.6	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	*8.8E-06	8.8E-06	4.8E-06	4.8E-06
.6	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	8.3E-06	8.3E-06	8.3E-06	*8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	4.6E-06	4.6E-06
.6	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	*8.0E-06	8.0E-06	8.0E-06	8.0E-06	4.5E-06	4.5E-06
.7	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	*6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	*6.7E-06	6.7E-06	6.7E-06	6.7E-06	4.1E-06
.7	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	6.4E-06	6.4E-06	*6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	4.0E-06
.7	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	6.1E-06	*6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	3.9E-06
1.0	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	2.7E-06
1.5	1.7E-06	2.0E-06	1.8E-06	1.7E-06	1.7E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	1.7E-06
2.0	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.1E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.1E-06
2.5	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07
3.0	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07
3.5	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
4.0	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07
4.5	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07
5.0	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07
6.0	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07
7.0	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07
8.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
9.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
10.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
15.0	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08
20.0	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08
25.0	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08
30.0	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.8E-08
40.0	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08
50.0	8.7E-09	8.7E-09	8.7E-09	8.7E-09	8.7E-09	8.7E-09	8.7E-09	8.7E-09	8.7E-09	8.7E-09	8.7E-09	8.7E-09	8.7E-09	8.7E-09	8.7E-09	8.7E-09
MAX CONC	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	2.2E-05	2.2E-05	2.7E-05	3.1E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	1.2E-05	1.2E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-11

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	1.5E-18	1.5E-15	0.	0.	*0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	0.	4.3E-18	*4.4E-13	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	0.	*1.1E-14	9.5E-13	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	1.0E-10	1.0E-10	1.7E-09	4.7E-12	1.7E-13	4.7E-12	4.7E-12	1.7E-13	4.7E-12	0.
1.5	0.	1.5E-13	0.	0.	0.	1.5E-13	6.7E-08	3.2E-07	4.8E-06	3.2E-07	1.5E-07	3.2E-07	1.3E-06	3.2E-07	1.2E-08	0.
2.0	1.6E-05	3.0E-07	9.3E-07	3.0E-07	0.	4.1E-09	9.3E-07	2.7E-06	1.6E-05	6.5E-05	2.7E-06	1.6E-05	1.6E-05	6.9E-06	3.0E-07	0.
2.5	7.7E-05	3.5E-06	1.5E-05	1.5E-06	2.1E-08	6.1E-07	3.5E-06	7.5E-06	2.8E-05	1.1E-04	6.1E-05	2.8E-05	2.8E-05	7.7E-05	1.5E-06	3.5E-06
3.0	8.0E-05	8.0E-05	2.3E-05	3.9E-06	3.9E-06	1.9E-06	7.4E-06	1.3E-05	3.7E-05	1.8E-04	6.7E-05	3.7E-05	3.7E-05	8.0E-05	2.3E-05	1.1E-04
3.5	7.9E-05	7.9E-05	2.9E-05	6.9E-06	1.2E-05	1.2E-05	1.2E-05	2.9E-05	4.2E-05	1.7E-04	1.2E-04	4.2E-05	4.2E-05	7.9E-05	7.9E-05	1.5E-04
4.0	1.1E-04	1.1E-04	3.2E-05	1.5E-05	5.9E-05	1.5E-05	1.5E-05	3.2E-05	4.4E-05	1.4E-04	1.3E-04	5.9E-05	9.2E-05	1.3E-04	7.5E-05	1.4E-04
4.5	9.7E-05	9.7E-05	5.7E-05	2.4E-05	5.7E-05	1.8E-05	1.8E-05	3.5E-05	4.8E-05	1.2E-04	1.2E-04	7.0E-05	1.2E-04	1.2E-04	9.7E-05	1.2E-04
5.0	1.0E-04	8.6E-05	5.5E-05	2.6E-05	5.5E-05	2.1E-05	2.1E-05	3.6E-05	4.8E-05	1.0E-04	1.0E-04	8.6E-05	1.0E-04	1.0E-04	9.6E-05	1.0E-04
6.0	8.0E-05	8.0E-05	4.9E-05	2.9E-05	4.9E-05	4.2E-05	4.2E-05	3.5E-05	4.2E-05	8.0E-05	8.0E-05	7.6E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05
7.0	6.5E-05	6.5E-05	5.2E-05	3.4E-05	5.3E-05	4.4E-05	3.9E-05	3.4E-05	4.4E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05
8.0	5.4E-05	5.4E-05	5.4E-05	3.9E-05	4.6E-05	3.9E-05	3.5E-05	3.1E-05	3.8E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05
9.0	4.6E-05	4.6E-05	4.6E-05	3.5E-05	4.0E-05	3.5E-05	3.2E-05	2.9E-05	3.5E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05
10.0	4.0E-05	4.0E-05	3.9E-05	3.1E-05	3.5E-05	3.1E-05	2.9E-05	2.7E-05	3.1E-05	4.0E-05	4.0E-05	4.0E-09	4.0E-05	4.0E-05	4.0E-05	4.0E-05
15.0	2.2E-05	2.2E-05	2.2E-05	2.1E-05	2.1E-05	2.0E-05	1.9E-05	1.8E-05	2.0E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05
20.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.4E-03	1.3E-05	1.3E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
25.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.0E-05	1.0E-05	9.8E-06	1.0E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
30.0	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.2E-06	8.0E-06	7.9E-06	7.8E-06	8.0E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06
40.0	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.5E-06	5.4E-06	5.4E-06	5.3E-06	5.4E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06
50.0	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.0E-06	4.0E-06	4.0E-06	3.9E-06	4.0E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06
MAX CONC	1.1E-04	1.1E-04	5.7E-05	3.9E-05	5.9E-05	4.4E-05	4.2E-05	3.6E-05	4.8E-05	1.8E-04	1.3E-04	8.6E-05	1.2E-04	1.3E-04	9.7E-05	1.5E-04
DIST(MI)	4.0	4.0	4.5	8.0	4.0	7.0	6.0	5.0	4.5	3.0	4.0	5.0	4.5	4.0	4.5	3.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-12

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.0E-15	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	4.9E-12	4.9E-12	0.	0.	2.1E-14	4.9E-12	4.9E-12	2.1E-14	0.	0.
.5	0.	0.	0.	0.	0.	0.	2.8E-11	2.8E-11	0.	0.	2.0E-13	2.8E-11	2.8E-11	*2.0E-13	0.	0.
.6	0.	0.	0.	0.	0.	0.	5.8E-11	5.8E-11	1.0E-15	0.	5.3E-13	5.8E-11	*5.8E-11	5.3E-13	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.2E-10	1.2E-10	1.3E-12	*0.	1.3E-12	1.2E-10	1.2E-10	1.3E-12	0.	0.
.6	0.	0.	0.	0.	0.	0.	2.2E-10	9.6E-09	3.1E-12	0.	*3.1E-12	2.2E-10	2.2E-10	3.1E-12	0.	0.
.7	0.	0.	0.	0.	0.	0.	*1.9E-09	6.9E-07	6.9E-07	1.8E-09	3.3E-10	*1.9E-09	1.9E-09	5.0E-11	4.0E-15	0.
.7	0.	0.	0.	0.	0.	0.	3.0E-09	8.6E-07	*7.6E-06	3.0E-09	2.0E-09	3.0E-09	3.0E-09	9.1E-11	1.0E-14	0.
.7	0.	0.	0.	0.	0.	0.	4.5E-09	*1.1E-06	8.6E-06	4.8E-09	4.8E-09	4.8E-09	4.8E-09	1.6E-10	1.6E-10	0.
1.0	0.	0.	0.	0.	0.	0.	6.9E-06	6.8E-06	2.5E-05	1.4E-06	2.2E-07	1.4E-06	1.4E-06	2.2E-07	1.4E-06	0.
1.5	0.	6.3E-09	1.7E-14	0.	0.	8.3E-09	2.2E-05	4.5E-05	1.3E-04	4.5E-05	3.2E-05	4.5E-05	8.1E-05	4.5E-05	8.9E-06	0.
2.0	9.8E-05	1.7E-05	3.0E-05	1.7E-05	2.2E-14	1.3E-06	3.0E-05	4.9E-05	9.8E-06	1.1E-04	4.9E-05	9.8E-05	9.8E-05	7.3E-05	1.7E-05	2.2E-14
2.5	8.6E-05	3.3E-05	6.2E-05	2.1E-05	1.6E-06	1.3E-05	3.3E-05	4.7E-05	7.7E-05	8.6E-05	8.6E-05	7.7E-05	7.7E-05	8.6E-05	2.1E-05	3.3E-05
3.0	6.8E-05	6.8E-05	5.3E-05	2.3E-05	2.3E-05	1.6E-05	3.2E-05	4.3E-05	6.2E-05	6.8E-05	6.8E-05	6.2E-05	6.2E-05	6.8E-05	5.3E-05	6.8E-05
3.5	5.6E-05	5.6E-05	4.5E-05	2.3E-05	3.0E-05	3.0E-05	3.0E-05	4.5E-05	5.2E-05	5.6E-05	5.6E-05	5.2E-05	5.2E-05	5.6E-05	5.6E-05	5.6E-05
4.0	4.7E-05	4.7E-05	3.9E-05	2.8E-05	4.7E-05	2.8E-05	2.8E-05	3.9E-05	4.4E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05
4.5	4.0E-05	4.0E-05	4.0E-05	3.0E-05	4.0E-05	2.6E-05	2.6E-05	3.4E-05	3.8E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05
5.0	3.4E-05	3.4E-05	3.4E-05	2.7E-05	3.4E-05	2.4E-05	2.4E-05	3.0E-05	3.3E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05
6.0	2.7E-05	2.7E-05	2.7E-05	2.2E-05	2.7E-05	2.6E-05	2.6E-05	2.4E-05	2.6E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05
7.0	2.2E-05	2.2E-05	2.2E-05	2.0E-05	2.2E-05	2.2E-05	2.1E-05	2.0E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05
8.0	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.9E-05	1.8E-05	1.8E-05	1.7E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
9.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
10.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
15.0	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.0E-06	7.4E-06	7.3E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06
20.0	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	4.9E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06
25.0	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06
30.0	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06
40.0	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06
50.0	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
MAX CONC	9.8E-05	6.8E-05	6.2E-05	3.0E-05	4.7E-05	3.0E-05	3.3E-05	4.9E-05	1.3E-04	1.1E-04	8.6E-05	9.8E-05	9.8E-05	8.6E-05	5.6E-05	6.8E-05
DIST(MI)	2.0	3.0	2.5	4.5	4.0	3.5	2.5	2.0	1.5	2.0	2.5	2.0	2.0	2.5	3.5	3.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-13

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	6.8E-13	6.8E-13	0.	0.	6.8E-13	2.5E-10	6.8E-13	6.8E-13	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	1.6E-08	1.6E-08	3.0E-15	3.0E-15	2.5E-10	1.6E-08	1.6E-08	2.5E-10	0.	0.
.5	0.	0.	0.	0.	0.	0.	3.9E-08	3.9E-08	5.3E-12	3.3E-14	9.2E-10	3.9E-08	3.9E-08	*9.2E-10	0.	0.
.6	0.	0.	0.	0.	0.	0.	5.7E-08	5.7E-08	1.2E-11	9.3E-14	1.6E-09	5.7E-08	*5.7E-08	1.6E-09	0.	0.
.6	0.	0.	0.	0.	0.	0.	8.2E-08	8.2E-08	2.7E-08	*2.8E-13	2.7E-09	8.2E-08	8.2E-08	2.7E-09	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.1E-07	1.7E-06	4.4E-09	6.0E-13	*4.4E-09	1.1E-07	1.1E-07	4.4E-09	0.	0.
.7	0.	0.	0.	0.	0.	0.	*3.4E-07	2.1E-05	2.1E-05	3.4E-07	9.2E-08	*3.4E-07	3.4E-07	2.2E-08	1.2E-11	0.
.7	0.	0.	0.	0.	0.	0.	4.3E-07	2.3E-05	*8.7E-05	4.3E-07	4.3E-07	4.3E-07	4.3E-07	3.1E-08	2.2E-11	0.
.7	0.	0.	0.	0.	0.	0.	5.3E-07	*2.4E-05	8.8E-05	5.3E-07	5.3E-07	5.3E-07	5.3E-07	4.2E-08	4.2E-08	0.
1.0	0.	0.	0.	0.	0.	0.	4.1E-05	4.1E-05	9.1E-05	1.4E-05	3.7E-06	1.4E-05	1.4E-05	3.7E-06	1.4E-05	0.
1.5	0.	1.1E-07	1.2E-12	0.	0.	1.1E-07	4.7E-05	7.4E-05	9.6E-05	7.4E-05	6.0E-05	7.4E-05	9.6E-05	7.4E-05	2.6E-05	0.
2.0	6.9E-05	2.9E-05	4.3E-05	2.9E-05	6.8E-13	4.2E-06	4.3E-05	5.7E-05	6.9E-05	6.9E-05	3.7E-05	6.9E-05	6.9E-05	6.9E-05	2.9E-05	6.8E-13
2.5	5.2E-05	3.7E-05	5.2E-05	2.7E-05	3.7E-06	1.9E-05	3.7E-05	4.8E-05	5.2E-05	5.2E-05	5.2E-05	5.2E-05	5.2E-05	5.2E-05	2.7E-05	3.7E-05
3.0	4.1E-05	4.1E-05	4.1E-05	2.5E-05	2.5E-05	1.9E-05	3.1E-05	3.7E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05
3.5	3.3E-05	3.3E-05	3.3E-05	2.2E-05	2.7E-05	2.7E-05	2.7E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05
4.0	2.8E-05	2.8E-05	2.8E-05	2.3E-05	2.8E-05	2.3E-05	2.3E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05
4.5	2.4E-05	2.4E-05	2.4E-05	2.2E-05	2.4E-05	2.1E-05	2.1E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05
5.0	2.1E-05	2.1E-05	2.1E-05	1.9E-05	2.1E-05	1.8E-05	1.8E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05
6.0	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05
7.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
8.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
9.0	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06
10.0	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06
15.0	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06
20.0	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06
25.0	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06
30.0	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
40.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
50.0	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07
MAX CONC	6.9E-05	4.1E-05	5.2E-05	2.9E-05	2.8E-05	2.7E-05	4.7E-05	7.4E-05	9.6E-05	7.4E-05	6.0E-05	7.4E-05	9.6E-05	7.4E-05	4.1E-05	4.1E-05
DIST(MI)	2.0	3.0	2.5	2.0	4.0	3.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR.

TABLE NO. V-14

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 7. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	**NNE**	**NE**	**ENE**	**E**	**ESE**	**SE**	**SSE**	**S**	**SSW**	**SW**	**WSW**	**W**	**WNW**	**NW**	**NNW**	**N**
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	4.7E-13	0.	4.7E-13	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	2.8E-10	2.8E-10	0.	0.	2.8E-10	3.6E-08	2.8E-10	2.8E-10	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	4.6E-07	4.6E-07	9.3E-13	9.3E-13	1.5E-08	4.6E-07	4.6E-07	1.5E-08	0.	0.
.5	0.	0.	0.	0.	0.	0.	7.9E-07	7.9E-07	4.7E-10	5.7E-12	3.7E-08	7.9E-07	7.9E-07	*3.7E-08	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.0E-06	1.0E-06	8.4E-10	1.2E-11	5.4E-08	1.0E-06	*1.0E-06	5.4E-08	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.2E-06	1.2E-06	7.7E-08	*2.6E-11	7.7E-08	1.2E-06	1.2E-06	7.7E-08	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.5E-06	1.3E-05	1.1E-07	5.1E-11	*1.1E-07	1.5E-06	1.5E-06	1.1E-07	0.	0.
.7	0.	0.	0.	0.	0.	0.	*2.9E-06	6.7E-05	6.7E-05	2.9E-06	9.9E-07	*2.9E-06	2.9E-06	3.0E-07	4.8E-10	0.
.7	0.	0.	0.	0.	0.	0.	3.3E-06	6.8E-05	*1.3E-04	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.8E-07	7.6E-10	0.
.7	0.	0.	0.	0.	0.	0.	3.7E-06	*6.9E-05	1.3E-04	3.7E-06	3.7E-06	3.7E-06	3.7E-06	4.6E-07	4.6E-07	0.
1.0	0.	0.	0.	0.	0.	0.	6.9E-05	6.9E-05	1.0E-04	3.1E-05	1.1E-05	3.1E-05	3.1E-05	1.1E-05	3.1E-05	0.
1.5	1.2E-15	3.4E-07	1.0E-11	1.2E-15	1.2E-15	3.4E-07	5.4E-05	6.9E-05	6.9E-05	6.9E-05	6.4E-05	6.9E-05	6.9E-05	6.9E-05	3.5E-05	1.2E-15
2.0	4.9E-05	3.1E-05	4.2E-05	3.1E-05	3.5E-12	6.5E-06	4.2E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	3.1E-05	3.5E-12
2.5	3.7E-05	3.3E-05	3.7E-05	2.7E-05	5.1E-06	2.0E-05	3.3E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	2.7E-05	3.3E-05
3.0	2.9E-05	2.9E-05	2.9E-05	2.3E-05	2.3E-05	1.8E-05	2.7E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05
3.5	2.4E-05	2.4E-05	2.4E-05	2.0E-05	2.2E-05	2.2E-05	2.2E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05
4.0	2.0E-05	2.0E-05	2.0E-05	1.9E-05	2.0E-05	1.9E-05	1.9E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05
4.5	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.6E-05	1.6E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05
5.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
6.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
7.0	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06
8.0	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06
9.0	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06
10.0	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06
15.0	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06
20.0	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06
25.0	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06
30.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
40.0	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07
50.0	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07
MAX CONC	4.9E-05	3.3E-05	4.2E-05	3.1E-05	2.3E-05	2.2E-05	6.9E-05	6.9E-05	1.3E-04	6.9E-05	6.4E-05	6.9E-05	6.9E-05	6.9E-05	3.5E-05	3.3E-05
DIST(MI)	2.0	2.5	2.0	2.0	3.0	3.5	1.0	1.5	.7	1.5	1.5	1.5	1.5	1.5	1.5	2.5

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-18

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 8. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DISTANCE MILES / DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	8.0E-05	*8.0E-05	*8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05
.2	*8.6E-05	8.6E-05	8.6E-05	*8.6E-05	8.6E-05	8.6E-05	8.6E-05	8.6E-05	8.6E-05	8.6E-05	8.7E-05	8.6E-05	8.7E-05	8.6E-05	8.6E-05	*8.6E-05
.3	9.7E-05	9.7E-05	9.7E-05	9.7E-05	*9.7E-05	9.7E-05	9.7E-05	9.7E-05	9.7E-05	9.7E-05	9.8E-05	9.7E-05	9.8E-05	9.7E-05	9.7E-05	9.7E-05
.4	9.7E-05	9.7E-05	9.7E-05	9.7E-05	9.7E-05	9.7E-05	1.0E-04	1.0E-04	9.7E-05	9.7E-05	1.0E-04	1.5E-04	1.0E-04	1.0E-04	*9.7E-05	9.7E-05
.5	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	*8.7E-05	1.5E-04	1.5E-04	8.7E-05	8.7E-05	9.8E-05	1.5E-04	1.5E-04	9.8E-05	8.7E-05	8.7E-05
.5	8.3E-05	8.3E-05	8.3E-05	8.3E-05	8.3E-05	8.3E-05	1.4E-04	1.4E-04	8.4E-05	8.3E-05	9.6E-05	1.4E-04	1.4E-04	*9.6E-05	8.3E-05	8.3E-05
.6	8.1E-05	8.1E-05	8.1E-05	8.1E-05	8.1E-05	8.1E-05	1.4E-04	1.4E-04	8.3E-05	8.1E-05	9.5E-05	1.4E-04	*1.4E-04	9.5E-05	8.1E-05	8.1E-05
.6	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	1.4E-04	1.4E-04	9.5E-05	*7.9E-05	9.5E-05	1.4E-04	1.4E-04	9.5E-05	7.9E-05	7.9E-05
.6	7.7E-05	7.7E-05	7.7E-05	7.7E-05	7.7E-05	7.7E-05	1.4E-04	1.5E-04	9.4E-05	7.8E-05	*9.4E-05	1.4E-04	1.4E-04	9.4E-05	7.7E-05	7.7E-05
.7	7.0E-05	7.0E-05	7.0E-05	7.0E-05	7.0E-05	7.0E-05	*1.3E-04	1.4E-04	1.4E-04	1.3E-04	1.1E-04	*1.3E-04	1.3E-04	9.0E-05	7.1E-05	7.0E-05
.7	6.8E-05	6.8E-05	6.8E-05	6.8E-05	6.8E-05	6.8E-05	1.3E-04	1.4E-04	*1.4E-04	1.3E-04	1.3E-04	1.3E-04	1.3E-04	8.9E-05	6.9E-05	6.8E-05
.7	6.7E-05	6.7E-05	6.7E-05	6.7E-05	6.7E-05	6.7E-05	1.2E-04	*1.4E-04	1.4E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	8.8E-05	8.8E-05	6.7E-05
1.0	4.8E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05	1.0E-04	1.0E-04	1.0E-04	1.0E-04	9.6E-05	1.0E-04	1.0E-04	9.6E-05	1.0E-04	4.8E-05
1.5	3.0E-05	3.2E-05	3.0E-05	3.0E-05	3.0E-05	3.2E-05	6.6E-05	6.6E-05	6.6E-05	6.6E-05	6.6E-05	6.6E-05	6.6E-05	6.6E-05	6.6E-05	3.0E-05
2.0	4.6E-05	4.6E-05	4.6E-05	4.6E-05	2.1E-05	3.3E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	2.1E-05
2.5	3.5E-05	3.5E-05	3.5E-05	3.5E-05	2.4E-05	3.4E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05
3.0	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05
3.5	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05
4.0	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05
4.5	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05
5.0	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05
6.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
7.0	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06	8.6E-06
8.0	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06
9.0	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06
10.0	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06
15.0	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06
20.0	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
25.0	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
30.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
40.0	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07
50.0	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
MAX CONC	9.7E-05	9.7E-05	9.7E-05	9.7E-05	9.7E-05	9.7E-05	1.5E-04	1.5E-04	1.4E-04	1.3E-04	1.3E-04	1.5E-04	1.5E-04	1.0E-04	1.0E-04	9.7E-05
DIST(MI)	.3	.3	.3	.3	.3	.3	.5	.6	.7	.7	.7	.4	.5	.4	1.0	.3

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-16

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 10. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	6.4E-05	*6.4E-05	*6.4E-05	6.4E-05	6.4E-05	6.4E-05	6.4E-05	6.4E-05	6.4E-05	6.4E-05	7.0E-05	6.4E-05	7.0E-05	6.4E-05	6.4E-05	6.4E-05
.2	*6.9E-05	6.9E-05	6.9E-05	*6.9E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	7.8E-05	6.9E-05	7.8E-05	6.9E-05	6.9E-05	*6.9E-05
.3	7.8E-05	7.8E-05	7.8E-05	7.8E-05	*7.8E-05	7.8E-05	7.8E-05	7.8E-05	7.8E-05	7.8E-05	8.6E-05	7.8E-05	8.6E-05	7.8E-05	7.8E-05	7.8E-05
.4	7.8E-05	7.8E-05	7.8E-05	7.8E-05	7.8E-05	7.8E-05	1.1E-04	1.1E-04	7.8E-05	7.8E-05	1.1E-04	1.4E-04	1.1E-04	1.1E-04	*7.8E-05	7.8E-05
.5	7.0E-05	7.0E-05	7.0E-05	7.0E-05	7.0E-05	*7.0E-05	1.3E-04	1.3E-04	7.0E-05	7.0E-05	1.1E-04	1.3E-04	1.3E-04	1.1E-04	7.0E-05	7.0E-05
.5	6.7E-05	6.7E-05	6.7E-05	6.7E-05	6.7E-05	6.7E-05	1.3E-04	1.3E-04	7.3E-05	6.7E-05	1.1E-04	1.3E-04	1.3E-04	*1.1E-04	6.7E-05	6.7E-05
.6	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	1.3E-04	1.3E-04	7.2E-05	6.6E-05	1.1E-04	1.3E-04	*1.3E-04	1.1E-04	6.5E-05	6.5E-05
.6	6.3E-05	6.3E-05	6.3E-05	6.3E-05	6.3E-05	6.3E-05	1.2E-04	1.2E-04	1.1E-04	*6.4E-05	1.1E-04	1.2E-04	1.2E-04	1.1E-04	6.3E-05	6.3E-05
.6	6.2E-05	6.2E-05	6.2E-05	6.2E-05	6.2E-05	6.2E-05	1.2E-04	1.2E-04	1.0E-04	6.3E-05	*1.0E-04	1.2E-04	1.2E-04	1.0E-04	6.2E-05	6.2E-05
.7	5.6E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05	*1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	*1.1E-04	1.1E-04	9.9E-05	5.8E-05	5.6E-05
.7	5.5E-05	5.5E-05	5.5E-05	5.5E-05	5.5E-05	5.5E-05	1.1E-04	1.1E-04	*1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	9.7E-05	5.7E-05	5.5E-05
.7	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	1.1E-04	*1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	9.6E-05	9.6E-05	5.4E-05
1.0	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	8.2E-05	8.2E-05	8.2E-05	8.2E-05	8.2E-05	8.2E-05	8.2E-05	8.2E-05	8.2E-05	3.8E-05
1.5	2.4E-05	2.8E-05	2.4E-05	2.4E-05	3.4E-05	2.8E-05	5.3E-05	5.3E-05	5.3E-05	5.3E-05	5.3E-05	5.3E-05	5.3E-05	5.3E-05	5.3E-05	2.4E-05
2.0	3.7E-05	3.7E-05	3.7E-05	3.7E-05	1.6E-05	3.1E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	1.6E-05
2.5	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.1E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05
3.0	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05
3.5	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-03	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-03	1.8E-05
4.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-03	1.5E-05	1.5E-05	1.5E-05	1.5E-05
4.5	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
5.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
6.0	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	[illegible]	8.5E-06	8.5E-06	8.5E-06	8.3E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06
7.0	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	[illegible]	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06
8.0	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06
9.0	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06
10.0	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06
15.0	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06
20.0	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06
25.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
30.0	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07
40.0	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07
50.0	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07
MAX CONC	7.8E-05	7.8E-05	7.8E-05	7.8E-05	7.8E-05	7.8E-05	1.3E-04	1.3E-04	1.1E-04	1.1E-04	1.1E-04	1.4E-04	1.3E-04	1.1E-04	9.6E-05	7.8E-05
DIST(MI)	.3	.3	.3	.3	.3	.3	.5	.5	.7	.7	.7	.4	.5	.5	.7	.3

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-17

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	3.1E-06	*3.1E-06	*3.1E-06	3.1E-06	3.1E-06	3.1E-06	1.3E-05	2.2E-05	3.6E-05	4.8E-05	8.1E-05	6.6E-05	8.1E-05	6.6E-05	3.1E-06	3.1E-06
.2	*4.7E-06	4.7E-06	4.7E-06	*4.7E-06	4.7E-06	4.7E-06	1.6E-05	2.6E-05	4.0E-05	5.8E-05	8.2E-05	6.8E-05	8.2E-05	6.8E-05	4.7E-06	*4.7E-06
.3	1.0E-05	1.0E-05	1.0E-05	1.0E-05	*1.0E-05	1.0E-05	5.9E-05	5.9E-05	4.6E-05	5.9E-05	7.6E-05	6.7E-05	7.6E-05	6.7E-05	1.0E-05	1.0E-05
.4	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	6.1E-05	6.1E-05	4.8E-05	5.2E-05	6.1E-05	6.5E-05	6.1E-05	6.1E-05	*1.7E-05	1.7E-05
.5	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	*2.0E-05	4.7E-05	4.7E-05	4.1E-05	4.1E-05	4.6E-05	4.7E-05	4.7E-05	4.6E-05	2.0E-05	2.0E-05
.5	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	4.3E-05	4.3E-05	4.0E-05	3.8E-05	4.2E-05	4.3E-05	4.3E-05	*4.2E-05	2.0E-05	2.0E-05
.6	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	4.1E-05	4.1E-05	3.8E-05	3.7E-05	4.0E-05	4.1E-05	*4.1E-05	4.0E-05	2.0E-05	2.0E-05
.6	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	3.9E-05	3.9E-05	3.8E-05	*3.6E-05	3.8E-05	3.9E-05	3.9E-05	3.8E-05	2.0E-05	2.0E-05
.6	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	3.8E-05	3.9E-05	3.6E-05	3.4E-05	*3.6E-05	3.8E-05	3.6E-05	3.6E-05	2.0E-05	2.0E-05
.7	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	*3.2E-05	3.3E-05	3.3E-05	3.2E-05	3.1E-05	*3.2E-05	3.2E-05	3.1E-05	2.9E-05	1.9E-05
.7	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	3.0E-05	3.2E-05	*3.2E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	2.8E-05	1.2E-05
.7	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.9E-05	*3.0E-05	3.1E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	1.8E-05
1.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.7E-05	1.8E-05	1.8E-05	1.7E-05	1.8E-05	1.3E-05
1.5	7.9E-06	8.8E-06	9.3E-06	7.9E-06	7.9E-06	8.8E-06	9.1E-06	9.2E-06	9.3E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.1E-06	7.9E-06
2.0	5.7E-06	5.6E-06	5.6E-06	5.6F-06	5.1E-06	5.5E-06	5.6E-06	5.6E-06	5.7E-06	5.7E-06	5.6E-06	5.7E-06	5.7E-06	5.7E-06	5.6E-06	5.1E-06
2.5	3.9E-06	3.9E-06	3.9E-06	3.8E-06	3.8E-06	3.8E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.8E-06	3.9E-06
3.0	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06
3.5	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06
4.0	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
4.5	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
5.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
6.0	8.7E-07	8.7E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07
7.0	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07
8.0	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07
9.0	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07
10.0	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07
15.0	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07
20.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
25.0	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08
30.0	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08
40.0	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08
50.0	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08
MAX CONC	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	6.1E-05	6.1E-05	4.8E-05	5.9E-05	8.2E-05	6.8E-05	8.2E-05	6.8E-05	2.9E-05	2.0E-05
DIST(MI)	.5	.5	.5	.5	.5	.5	.4	.4	.4	.3	.2	.2	.2	.2	.7	.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-18

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	5.0E-06	*5.0E-06	*5.0E-06	5.0E-06	5.0E-06	5.0E-06	1.5E-05	2.3E-05	3.2E-05	3.7E-05	5.4E-05	4.8E-05	5.4E-05	4.8E-05	5.0E-06	5.0E-06
.2	*6.2E-06	6.2E-06	6.2E-06	*6.2E-06	6.2E-06	6.2E-06	1.6E-05	2.3E-05	3.1E-05	4.0E-05	5.0E-05	4.5E-05	5.0E-05	4.5E-05	6.2E-06	*6.2E-06
.3	8.9E-06	8.9E-06	8.9E-06	8.9E-06	*8.9E-06	8.9E-06	3.3E-05	3.3E-05	2.8E-05	3.3E-05	3.9E-05	3.6E-05	3.9E-05	3.6E-05	8.9E-06	8.9E-06
.4	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	2.6E-05	2.6E-05	2.3E-05	2.4E-05	2.8E-05	2.7E-05	2.6E-05	2.6E-05	*1.1E-05	1.1E-05
.5	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	*9.9E-06	1.8E-05	1.8E-05	1.7E-05	1.7E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	9.9E-06	9.9E-06
.5	9.5E-06	9.5E-06	9.5E-06	9.5E-06	9.5E-06	9.5E-06	1.6E-05	1.6E-05	1.6E-05	1.5E-05	1.6E-05	1.6E-05	1.6E-05	*1.6E-05	9.5E-06	9.5E-06
.6	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	1.6E-05	1.6E-05	1.5E-05	1.5E-05	1.5E-05	1.6E-05	*1.6E-05	1.5E-05	9.3E-06	9.3E-06
.6	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	1.5E-05	1.5E-05	1.5E-05	*1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	9.1E-06	9.1E-06
.6	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	1.4E-05	1.4E-05	1.4E-05	1.3E-05	*1.4E-05	1.4E-05	1.4E-05	1.4E-05	8.8E-06	8.8E-06
.7	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	*1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	*1.2E-05	1.2E-05	1.1E-05	1.1E-05	7.9E-06
.7	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	7.7E-06
.7	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.0E-05	1.0E-05	7.5E-06
1.0	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.1E-06	6.2E-06	6.2E-06	6.1E-06	6.2E-06	5.0E-06
1.5	2.8E-06	3.0E-06	2.9E-06	2.8E-06	2.8E-06	3.0E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	2.8E-06
2.0	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06
2.5	1.3E-06	1.3E-05	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
3.0	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07
3.5	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07
4.0	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07
4.5	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07
5.0	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07
6.0	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07
7.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
8.0	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07
9.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
10.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
15.0	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08
20.0	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08
25.0	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08
30.0	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08
40.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
50.0	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09
MAX CONC	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	3.3E-05	3.3E-05	3.2E-05	4.0E-05	5.4E-05	4.8E-05	5.4E-05	4.8E-05	1.1E-05	1.1E-05
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.7	.4

TABLE NO. V-19

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	4.7E-06*	4.7E-06*	4.7E-06	4.7E-06	4.7E-06	4.7E-06	1.3E-05	1.8E-05	2.5E-05	2.8E-05	3.8E-05	3.5E-05	3.8E-05	3.5E-05	4.7E-06	4.7E-06
.2*	5.5E-06	5.5E-06	5.5E-06*	5.5E-06	5.5E-06	5.5E-06	1.3E-05	1.8E-05	2.3E-05	2.8E-05	3.4E-05	3.2E-05	3.4E-05	3.2E-05	5.5E-06*	5.5E-06
.3	7.1E-06	7.1E-06	7.1E-06	7.1E-06*	7.1E-06	7.1E-06	2.3E-05	2.3E-05	2.0E-05	2.3E-05	2.5E-05	2.4E-05	2.5E-05	2.4E-05	7.1E-06	7.1E-06
.4	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	1.7E-05	1.7E-05	1.8E-05	1.6E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05*	7.6E-06	7.6E-06
.5	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06*	6.7E-06	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	6.7E-06	6.7E-06
.5	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	1.0E-05	1.0E-05	9.8E-06	9.6E-06	1.0E-05	1.0E-05	1.0E-05*	1.0E-05	6.3E-06	6.3E-06
.6	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	9.6E-06	9.6E-06	9.3E-06	9.1E-06	9.5E-06	9.8E-06*	9.6E-06	9.5E-06	6.1E-06	6.1E-06
.6	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	9.1E-06	9.1E-06	9.0E-06*	8.6E-06	9.0E-06	9.1E-06	9.1E-06	9.0E-06	6.0E-06	6.0E-06
.6	5.8E-06	5.8E-06	5.8E-06	5.8E-06	5.8E-06	5.8E-06	8.6E-06	8.7E-06	8.5E-06	8.2E-06*	8.5E-06	8.6E-06	8.6E-06	8.5E-06	5.8E-06	5.8E-06
.7	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06*	7.1E-06	7.2E-06	7.2E-06	7.1E-06	7.1E-06*	7.1E-06	7.1E-06	7.0E-06	6.8E-06	5.1E-06
.7	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	6.8E-06	6.9E-06*	6.9E-06	6.8E-06	6.8E-06	[illegible]	6.8E-06	6.7E-06	6.5E-06	5.0E-06
.7	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	6.5E-06*	6.6E-06	6.6E-06	6.5E-06	6.5E-06	[illegible]	6.5E-06	6.4E-06	6.4E-06	4.8E-06
1.0	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.7E-06	3.7E-06	3.8E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.1E-06
1.5	1.7E-06	1.8E-06	1.8E-06	1.7E-06	1.7E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.7E-06
2.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
2.5	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.7E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07
3.0	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07
3.5	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07
4.0	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
4.5	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07
5.0	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07
6.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
7.0	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
8.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
9.0	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08
10.0	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08
15.0	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.5E-08	3.6E-08
20.0	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08
25.0	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08
30.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
40.0	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.5E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09
50.0	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09
MAX CONC	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	2.3E-05	2.3E-05	2.5E-05	2.8E-05	3.8E-05	3.5E-05	3.8E-05	3.5E-05	7.6E-06	7.6E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.4	.4

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-20

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 7. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	4.3E-06	*4.3E-06	*4.3E-06	4.3E-06	4.3E-06	4.3E-06	1.1E-05	1.5E-05	2.0E-05	2.2E-05	2.9E-05	2.7E-05	2.9E-05	2.7E-05	4.3E-06	4.3E-06
.2	*4.9E-06	4.9E-06	4.9E-06	*4.9E-06	4.9E-06	4.9E-06	1.1E-05	1.5E-05	1.9E-05	2.3E-05	2.6E-05	2.4E-05	2.6E-05	2.4E-05	4.9E-06	*4.9E-06
.3	5.9E-06	5.9E-06	5.9E-06	5.9E-06	*5.9E-06	5.9E-06	1.7E-05	1.7E-05	1.5E-05	1.7E-05	1.9E-05	1.8E-05	1.9E-05	1.8E-05	5.9E-06	5.9E-06
.4	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	1.2E-05	1.2E-05	1.1E-05	1.2E-05	1.2E-05	1.3E-05	1.2E-05	1.2E-05	*5.9E-06	5.9E-06
.5	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	*5.1E-06	8.3E-06	8.3E-06	7.8E-06	7.8E-06	8.2E-06	8.3E-06	8.3E-06	8.2E-06	5.1E-06	5.1E-06
.5	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	7.4E-06	7.4E-06	7.1E-06	7.0E-06	7.3E-06	7.4E-06	7.4E-06	*7.3E-06	4.8E-06	4.8E-06
.6	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	7.0E-06	7.0E-06	6.8E-06	6.6E-06	6.9E-06	7.0E-06	*7.0E-06	6.9E-06	4.6E-06	4.6E-06
.6	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	6.6E-06	6.6E-06	6.5E-06	*6.3E-06	6.5E-06	6.6E-06	6.6E-06	6.5E-06	4.5E-06	4.5E-06
.6	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	6.2E-06	6.3E-06	6.2E-06	6.0E-06	*6.2E-06	6.2E-06	6.2E-06	6.2E-06	4.3E-06	4.3E-06
.7	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	*5.1E-06	5.2E-06	5.2E-06	5.1E-06	5.1E-06	*5.1E-06	5.1E-06	5.1E-06	4.9E-06	3.8E-06
.7	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	4.9E-06	4.9E-06	*4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.8E-06	4.7E-06	3.7E-06
.7	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	4.7E-06	*4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.6E-06	4.6E-06	3.5E-06
1.0	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.3E-06
1.5	1.2E-06	1.3E-06	1.3E-06	1.2E-06	1.2E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.2E-06
2.0	8.2E-07	8.1E-07	8.2E-07	8.1E-07	7.8E-07	8.1E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.1E-07	7.8E-07
2.5	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.5E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07
3.0	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
3.5	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07
4.0	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07
4.5	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
5.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
6.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
7.0	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08
8.0	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08
9.0	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08
10.0	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08
15.0	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08
20.0	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08
25.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
30.0	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09
40.0	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09
50.0	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09
MAX CONC	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	1.7E-05	1.7E-05	2.0E-05	2.3E-05	2.9E-05	2.7E-05	2.9E-05	2.7E-05	5.9E-06	5.9E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.4	.4

TABLE NO. V-21

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION

RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE LOW FLOW
STABILITY STABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	8.0E-13	8.0E-13	0.	0.	*0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	0.	1.8E-12	*1.0E-10	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	0.	*3.6E-12	1.8E-10	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	[illegible]E-09	3.9E-09	4.8E-08	2.6E-10	1.3E-11	2.6E-10	2.6E-10	1.3E-11	2.6E-10	0.
1.5	0.	3.9E-12	0.	0.	0.	3.9E-12	5.2E-07	2.1E-08	2.1E-05	2.1E-08	1.1E-06	2.1E-08	7.0E-08	2.1E-06	1.1E-07	0.
2.0	4.2E-05	1.3E-06	3.7E-06	1.3E-06	0.	2.8E-08	3.7E-06	9.1E-06	4.2E-05	1.3E-04	9.1E-05	4.2E-05	4.2E-05	2.1E-05	1.3E-06	0.
2.5	1.3E-04	9.5E-06	3.3E-05	4.5E-06	9.5E-08	2.0E-06	9.5E-06	1.8E-05	5.6E-05	1.7E-04	1.1E-04	5.6E-05	5.6E-05	1.3E-04	4.5E-06	9.5E-06
3.0	1.2E-04	1.2E-04	4.2E-05	9.0E-06	9.0E-06	4.8E-06	1.6E-05	2.7E-05	6.3E-05	2.0E-04	1.0E-04	6.3E-05	6.3E-05	1.2E-04	4.2E-05	1.5E-04
3.5	1.1E-04	1.1E-04	4.7E-05	1.4E-05	2.1E-05	2.1E-05	2.1E-05	4.7E-05	6.5E-05	1.7E-04	1.5E-04	6.5E-05	8.5E-05	1.1E-04	1.1E-04	1.7E-04
4.0	1.3E-04	1.3E-04	4.9E-05	2.6E-05	8.0E-05	2.6E-05	2.6E-05	4.9E-05	6.4E-05	1.4E-04	1.4E-04	8.0E-05	1.1E-04	1.4E-04	9.8E-05	1.4E-04
4.5	1.1E-04	1.1E-04	7.5E-05	3.6E-05	7.5E-05	2.8E-05	2.8E-05	4.9E-05	6.1E-05	1.2E-04	1.2E-04	8.8E-05	1.2E-04	1.2E-04	1.1E-04	1.2E-04
5.0	1.0E-04	9.7E-05	6.9E-05	3.7E-05	6.9E-05	3.0E-05	3.0E-05	4.8E-05	5.8E-05	1.0E-04	1.0E-04	9.7E-05	1.0E-04	1.0E-04	1.0E-04	1.0E-04
6.0	8.0E-05	8.0E-05	5.9E-05	3.7E-05	5.9E-05	5.2E-05	5.2E-05	4.5E-05	5.2E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05
7.0	6.5E-05	6.5E-05	5.7E-05	4.0E-05	5.9E-05	5.1E-05	4.6E-05	4.0E-05	5.1E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05
8.0	5.4E-05	5.4E-05	5.4E-05	4.4E-05	5.0E-05	4.4E-05	4.0E-05	3.6E-05	4.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05
9.0	4.6E-05	4.6E-05	4.6E-05	3.8E-05	4.3E-05	3.8E-05	3.6E-05	3.3E-05	3.8E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.5E-05	4.6E-05	4.6E-05
10.0	4.0E-05	4.0E-05	4.0E-05	3.4E-05	3.7E-05	3.4E-05	3.2E-05	3.0E-05	3.4E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05
15.0	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.1E-05	2.0E-05	1.9E-05	2.1E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05
20.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.4E-05	1.3E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
25.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
30.0	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.3E-06	8.2E-06	8.1E-06	7.9E-06	8.2E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06
40.0	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.5E-06	5.4E-06	5.4E-06	5.5E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06
50.0	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06
MAX CONC	1.3E-04	1.3E-04	7.5E-05	4.4E-05	8.0E-05	5.2E-05	5.2E-05	4.9E-05	6.5E-05	2.0E-04	1.5E-04	9.7E-05	1.2E-04	1.4E-04	1.1E-04	1.7E-04
DIST(MI)	2.5	4.0	4.5	8.0	4.0	6.0	6.0	[illegible].5	3.5	3.0	3.5	5.0	4.5	4.0	4.5	3.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-22

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE LOW FLOW
STABILITY STABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	8.8E-13	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	3.5E-10	3.5E-10	0.	0.	2.7E-12	3.5E-10	3.5E-10	2.7E-12	0.	0.
.5	0.	0.	0.	0.	0.	0.	1.3E-09	1.3E-09	4.4E-14	0.	1.6E-11	1.3E-09	1.3E-09	*1.6E-11	0.	0.
.6	0.	0.	0.	0.	0.	0.	2.3E-09	2.3E-09	1.3E-13	0.	3.5E-11	2.3E-09	*2.3E-09	3.5E-11	0.	0.
.6	0.	0.	0.	0.	0.	0.	3.9E-09	3.9E-09	7.3E-11	*1.9E-15	7.3E-11	3.9E-09	3.9E-09	7.3E-11	0.	0.
.6	0.	0.	0.	0.	0.	0.	6.4E-09	1.7E-07	1.4E-10	5.6E-15	*1.4E-10	6.4E-09	6.4E-09	1.4E-10	0.	0.
.7	0.	0.	0.	0.	0.	0.	*3.2E-08	5.2E-08	5.2E-08	3.2E-08	6.8E-09	*3.2E-08	3.2E-08	1.3E-09	2.4E-13	0.
.7	0.	0.	0.	0.	0.	0.	4.6E-08	6.0E-06	*3.6E-05	4.6E-09	4.6E-08	4.6E-08	4.6E-08	2.0E-09	5.4E-13	0.
.7	0.	0.	0.	0.	0.	0.	6.2E-08	*6.9E-06	3.8E-05	6.2E-08	6.2E-08	6.2E-08	6.2E-08	3.1E-09	3.1E-09	0.
1.0	0.	0.	0.	0.	0.	0.	2.2E-05	2.2E-05	6.5E-08	5.8E-06	1.2E-06	5.8E-06	5.8E-06	1.2E-06	5.8E-06	0.
1.5	0.	3.6E-08	1.6E-13	0.	0.	3.6E-08	4.2E-05	7.7E-05	1.6E-04	7.7E-05	5.8E-06	7.7E-05	1.2E-04	7.7E-05	2.0E-05	0.
2.0	1.1E-04	2.8E-05	4.7E-05	2.8E-05	1.4E-13	3.0E-06	4.7E-05	7.0E-05	1.1E-04	1.1E-04	7.0E-05	1.1E-04	1.1E-04	9.5E-05	2.8E-05	1.4E-13
2.5	8.6E-05	4.5E-05	7.5E-05	3.1E-05	3.1E-06	2.0E-05	4.5E-05	6.0E-05	8.6E-05	8.6E-05	8.6E-05	8.6E-05	8.6E-05	8.6E-05	3.1E-05	4.5E-05
3.0	6.8E-05	6.8E-05	6.1E-05	3.1E-05	3.1E-05	2.2E-05	4.1E-05	5.2E-05	6.8E-05	6.8E-05	6.8E-05	6.8E-05	6.8E-05	6.8E-05	6.1E-05	6.8E-05
3.5	5.6E-05	5.6E-05	5.1E-05	3.0E-05	3.7E-05	3.7E-05	3.7E-05	5.1E-05	5.6E-05	5.5E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05
4.0	4.7E-05	4.7E-05	4.3E-05	3.3E-05	4.7E-05	3.3E-05	3.3E-05	4.3E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05
4.5	4.0E-05	4.0E-05	4.0E-05	3.3E-05	4.0E-05	3.0E-05	3.0E-05	3.7E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05
5.0	3.4E-05	3.4E-05	3.4E-05	3.0E-05	3.4E-05	2.7E-05	2.7E-05	3.3E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05
6.0	2.7E-05	2.7E-05	2.7E-05	2.4E-05	2.7E-05	2.7E-05	2.7E-05	2.6E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05
7.0	2.2E-05	2.2E-05	2.2E-05	2.1E-05	2.2E-05	2.2E-05	2.2E-05	2.1E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05
8.0	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
9.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
10.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
15.0	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.4E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06
20.0	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	4.9E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06
25.0	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06
30.0	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06
40.0	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06
50.0	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
MAX CONC	1.1E-04	6.8E-05	7.5E-05	3.3E-05	4.7E-05	3.7E-05	4.7E-05	7.7E-05	1.6E-04	1.1E-04	8.6E-05	1.1E-04	1.2E-04	9.5E-05	6.1E-05	6.8E-05
DIST(MI)	2.0	3.0	2.5	4.5	4.0	3.5	2.0	1.5	1.5	2.0	2.5	2.0	1.5	2.0	3.0	3.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-23

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE LOW FLOW
STABILITY STABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	3.8E-14	0.	3.8E-14	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	5.8E-11	5.8E-11	0.	0.	5.8E-11	1.0E-08	5.8E-11	5.8E-11	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	2.1E-07	2.1E-07	2.0E-13	2.0E-13	5.5E-09	2.1E-07	2.1E-07	5.5E-09	0.	0.
.5	0.	0.	0.	0.	0.	0.	4.0E-07	4.0E-07	1.5E-10	1.5E-12	1.5E-08	4.0E-07	4.0E-07	*1.5E-08	0.	0.
.6	0.	0.	0.	0.	0.	0.	5.4E-07	5.4E-07	2.9E-10	3.5E-12	2.3E-08	5.4E-07	*5.4E-07	2.3E-08	0.	0.
.6	0.	0.	0.	0.	0.	0.	7.0E-07	7.0E-07	3.5E-08	*7.9E-12	3.5E-08	7.0E-07	7.0E-07	3.5E-08	0.	0.
.6	0.	0.	0.	0.	0.	0.	8.8E-07	9.0E-06	5.1E-08	1.6E-11	*5.1E-08	8.8E-07	8.9E-07	5.1E-08	0.	0.
.7	0.	0.	0.	0.	0.	0.	*1.9E-06	6.2E-05	6.2E-05	1.9E-06	6.1E-07	*1.9E-06	1.9E-06	1.7E-07	1.9E-10	0.
.7	0.	0.	0.	0.	0.	0.	2.3E-06	6.4E-05	*1.7E-04	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.2E-07	3.2E-10	0.
.7	0.	0.	0.	0.	0.	0.	2.6E-06	*6.5E-05	1.7E-04	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.8E-07	2.8E-07	0.
1.0	0.	0.	0.	0.	0.	0.	7.5E-05	7.5E-05	1.4E-04	3.1E-05	1.0E-05	3.1E-05	3.1E-05	1.0E-05	3.1E-05	0.
1.5	0.	3.0E-07	6.6E-12	0.	0.	3.0E-07	6.6E-05	9.3E-05	9.6E-05	9.3E-05	8.0E-05	9.3E-05	9.6E-05	9.3E-05	4.1E-05	0.
2.0	6.9E-05	3.9E-05	5.4E-05	3.9E-05	2.6E-12	7.1E-06	5.4E-05	5.7E-05	6.9E-05	6.9E-05	6.7E-05	6.9E-05	6.9E-05	6.9E-05	3.9E-05	2.6E-12
2.5	5.2E-05	4.3E-05	5.2E-05	3.4E-05	5.8E-06	2.5E-05	4.3E-05	5.1E-05	5.2E-05	5.2E-05	5.2E-05	5.2E-05	5.2E-05	5.2E-05	3.4E-05	4.3E-05
3.0	4.1E-05	4.1E-05	4.1E-05	3.0E-05	3.0E-05	2.3E-05	3.6E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05
3.5	3.3E-05	3.3E-05	3.3E-05	3.6E-05	3.0E-05	3.0E-05	3.0E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05
4.0	2.8E-05	2.8E-05	2.8E-05	2.6E-05	2.8E-05	2.6E-05	2.6E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05
4.5	2.4E-05	2.4E-05	2.4E-05	2.3E-05	2.4E-05	2.2E-05	2.2E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05
5.0	2.1E-05	2.1E-05	2.1E-05	2.0E-05	2.1E-05	1.9E-05	1.9E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05
6.0	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05
7.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
8.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
9.0	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06
10.0	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06
15.0	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06
20.0	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06
25.0	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06
30.0	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
40.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
50.0	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07
MAX CONC	6.9E-05	4.3E-05	5.4E-05	3.9E-05	1.0E-05	3.0E-05	7.5E-05	9.3E-05	1.7E-04	9.3E-05	8.0E-05	9.3E-05	9.6E-05	9.3E-05	4.1E-05	4.3E-05
DIST(MI)	2.0	2.5	2.0	2.(	3.5	3.5	1.0	1.5	.7	1.5	1.5	1.5	1.5	1.5	3.0	2.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-24

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE LOW FLOW
STABILITY STABLE
SPEED 7. MPH

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	2.1E-14	0.	2.1E-14	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	2.6E-13	0.	2.6E-13	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	5.6E-11	6.7E-15	5.6E-11	6.7E-15	0.	0.
.4	0.	0.	0.	0.	0.	0.	7.4E-09	7.4E-09	0.	2.8E-14	7.4E-09	5.0E-07	7.4E-09	7.4E-09	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	2.9E-06	2.9E-06	2.4E-11	2.4E-11	1.5E-07	2.9E-06	2.9E-06	1.5E-07	0.	0.
.5	0.	0.	0.	0.	0.	0.	4.1E-06	4.1E-06	5.9E-09	1.1E-10	2.9E-07	4.1E-06	4.1E-06	*2.9E-07	0.	0.
.6	0.	0.	0.	0.	0.	0.	4.8E-06	4.8E-06	9.4E-09	2.1E-10	3.8E-07	4.8E-06	*4.8E-06	3.8E-07	0.	0.
.6	0.	0.	0.	0.	0.	0.	5.6E-06	5.6E-06	5.0E-07	*3.8E-10	5.0E-07	5.6E-06	5.6E-06	5.0E-07	0.	0.
.6	0.	0.	0.	0.	0.	0.	6.4E-06	3.8E-05	6.3E-07	6.6E-10	*6.3E-07	6.4E-06	6.4E-06	6.3E-07	0.	0.
.7	0.	0.	0.	0.	0.	0.	*9.8E-06	1.3E-04	1.3E-04	9.8E-06	3.9E-06	*9.8E-06	9.8E-06	1.4E-06	4.1E-09	0.
.7	0.	0.	0.	0.	0.	0.	1.1E-05	1.2E-04	*1.3E-04	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.6E-06	6.1E-09	0.
.7	0.	0.	0.	0.	0.	0.	1.2E-05	*1.2E-04	1.3E-04	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.9E-06	1.9E-06	0.
1.0	0.	0.	0.	0.	0.	0.	9.9E-05	9.9E-05	1.0E-04	5.4E-05	2.2E-05	5.4E-05	5.4E-05	2.2E-05	5.4E-05	0.
1.5	7.1E-15	7.5E-07	4.1E-11	7.1E-15	7.1E-15	7.5E-07	6.7E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	4.7E-05	7.1E-15
2.0	4.9E-05	3.8E-05	4.8E-05	3.8E-05	1.1E-11	9.7E-06	4.8E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	4.8E-05	3.8E-05	1.1E-11
2.5	3.7E-05	3.7E-05	3.7E-05	3.1E-05	7.1E-06	2.4E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.1E-05	3.7E-05
3.0	2.9E-05	2.9E-05	2.9E-05	2.5E-05	2.5E-05	2.1E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05
3.5	2.4E-05	2.4E-05	2.4E-05	2.1E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05
4.0	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05
4.5	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05
5.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
6.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
7.0	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06
8.0	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06
9.0	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06
10.0	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06
15.0	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06
20.0	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06
25.0	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06
30.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
40.0	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07
50.0	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07
MAX CONC	4.9E-05	3.8E-05	4.8E-05	3.8E-05	2.5E-05	2.4E-05	9.9E-05	1.3E-04	1.3E-04	6.9E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	5.4E-05	3.7E-05
DIST(MI)	2.0	2.0	2.0	2.0	3.0	2.5	1.0	.7	.7	1.5	1.5	1.5	1.5	1.5	1.0	2.5

TABLE NO. V-25

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE HIGH FLOW
STABILITY UNSTABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	8.5E-07	*8.5E-07	*8.5E-07	8.5E-07	8.5E-07	8.5E-07	4.5E-06	8.4E-06	1.5E-05	1.9E-05	4.1E-05	3.2E-05	4.1E-05	3.2E-05	8.5E-07	8.5E-07
.2	*1.5E-06	1.5E-06	1.5E-06	*1.5E-06	1.5E-06	1.5E-06	6.5E-06	1.1E-05	1.8E-05	2.9E-05	4.5E-05	3.6E-05	4.5E-05	3.6E-05	1.5E-06	*1.5E-06
.3	4.7E-06	4.7E-06	4.7E-06	4.7E-06	*4.7E-06	4.7E-06	3.7E-05	3.7E-05	2.7E-05	3.7E-05	5.0E-05	4.3E-05	5.0E-05	4.3E-05	4.7E-06	4.7E-06
.4	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	4.7E-05	4.7E-05	3.5E-05	3.9E-05	4.7E-05	5.1E-05	4.7E-05	4.7E-05	*1.1E-05	1.1E-05
.5	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	*1.5E-05	4.0E-05	4.0E-05	3.4E-05	3.4E-05	3.8E-05	4.0E-05	4.0E-05	3.8E-05	1.5E-05	1.5E-05
.5	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	3.7E-05	3.7E-05	3.4E-05	3.2E-05	3.6E-05	3.7E-05	3.7E-05	*3.6E-05	1.5E-05	1.5E-05
.6	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	3.6E-05	3.6E-05	3.3E-05	3.1E-05	3.4E-05	3.6E-05	*3.6E-05	3.4E-05	1.5E-05	1.5E-05
.6	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	3.5E-05	3.5E-05	3.3E-05	*3.0E-05	3.3E-05	3.5E-05	3.5E-05	3.3E-05	1.6E-05	1.6E-05
.6	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	3.3E-05	3.5E-05	3.2E-05	2.9E-05	*3.2E-05	3.3E-05	3.3E-05	3.2E-05	1.6E-05	1.6E-05
.7	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	*2.9E-05	3.0E-05	3.0E-05	2.9E-05	2.8E-05	*2.9E-05	2.9E-05	2.8E-05	2.6E-05	1.5E-05
.7	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	2.8E-05	2.9E-05	*3.0E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.7E-05	2.5E-05	1.5E-05
.7	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	2.7E-05	*2.8E-05	2.9E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.6E-05	2.6E-05	1.5E-05
1.0	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.2E-05
1.5	7.5E-06	8.5E-06	7.9E-06	7.5E-06	7.5E-06	8.5E-06	8.9E-06	9.0E-06	9.1E-06	9.0E-06	9.0E-06	9.0E-06	9.1E-06	9.0E-06	8.9E-06	7.5E-06
2.0	5.6E-06	5.5E-06	5.6E-06	5.5E-06	5.0E-06	5.4E-06	5.6E-06	5.6E-06	5.6E-06	5.7E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.5E-06	5.0E-06
2.5	3.9E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.8E-06	3.8E-06
3.0	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06
3.5	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06
4.0	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
4.5	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
5.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
6.0	8.7E-07	8.7E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.7E-07	8.7E-07	8.6E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07
7.0	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07
8.0	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07
9.0	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07
10.0	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07
15.0	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07
20.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
25.0	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08
30.0	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08	5.4E-08
40.0	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08
50.0	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08
MAX CONC	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	4.7E-05	4.7E-05	3.5E-05	3.9E-05	5.0E-05	5.1E-05	5.0E-05	4.7E-05	2.6E-05	1.6E-05
DIST(MI)	.6	.6	.6	.6	.6	.6	.4	.4	.4	.4	.3	.4	.3	.4	.7	.6

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-26

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE HIGH FLD
STABILITY UNSTABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	2.5E-06	*2.5E-06	*2.5E-06	2.5E-06	2.5E-06	2.5E-06	9.0E-06	1.4E-05	2.1E-05	2.5E-05	4.1E-05	3.5E-05	4.1E-05	3.5E-05	2.5E-06	2.5E-06
.2	*3.4E-06	3.4E-06	3.4E-06	*3.4E-06	3.4E-06	3.4E-06	1.0E-05	1.5E-05	2.2E-05	3.0E-05	3.8E-05	3.4E-05	3.9E-05	3.4E-05	3.4E-06	*3.4E-06
.3	5.9E-06	5.9E-06	5.9E-06	5.9E-06	*5.9E-06	5.9E-06	2.7E-05	2.7E-05	2.2E-05	2.7E-05	3.3E-05	3.0E-05	3.3E-05	3.0E-05	5.9E-06	5.9E-06
.4	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	2.4E-05	2.4E-05	2.0E-05	2.1E-05	2.4E-05	2.5E-05	2.4E-05	2.4E-05	*8.1E-06	8.1E-06
.5	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	*8.4E-06	1.7E-05	1.7E-05	1.6E-05	1.6E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	8.4E-06	8.4E-06
.5	8.2E-06	8.2E-06	8.2E-06	8.2E-06	8.2E-06	8.2E-06	1.6E-05	1.6E-05	1.5E-05	1.4E-05	1.5E-05	1.6E-05	1.6E-05	*1.5E-05	8.2E-06	8.2E-06
.6	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	1.5E-05	1.5E-05	1.4E-05	1.4E-05	1.4E-05	1.5E-05	*1.5E-05	1.4E-05	8.1E-06	8.1E-06
.6	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	1.4E-05	1.4E-05	1.4E-05	*1.3E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	7.9E-06	7.9E-06
.6	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	1.3E-05	1.4E-05	1.3E-05	1.2E-05	*1.3E-05	1.3E-05	1.3E-05	1.3E-05	7.8E-06	7.8E-06
.7	7.2E-06	7.2E-06	7.2E-06	7.2E-06	7.2E-06	7.2E-06	*1.1E-05	1.2E-05	1.2E-05	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.0E-05	7.2E-06
.7	7.0E-06	7.0E-06	7.0E-06	7.0E-06	7.0E-06	7.0E-06	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.0E-05	1.0E-05	7.0E-06
.7	6.8E-06	6.8E-06	6.8E-06	6.8E-06	6.8E-06	6.8E-06	1.0E-05	*1.1E-05	1.1E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	6.8E-06
1.0	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	6.1E-06	6.1E-06	6.2E-06	6.1E-06	6.0E-06	6.1E-06	6.1E-06	6.0E-06	6.1E-06	4.8E-06
1.5	2.7E-06	3.0E-06	2.8E-06	2.7E-06	2.7E-06	3.0E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	2.7E-06
2.0	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06
2.5	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
3.0	9.5E-07	9.5E-07	9.5E-07	9.4E-07	9.4E-07	9.4E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07	9.5E-07
3.5	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07
4.0	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07
4.5	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07
5.0	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.8E-07	3.9E-07	3.9E-07
6.0	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07
7.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
8.0	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07
9.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
10.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
15.0	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08
20.0	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08
25.0	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08
30.0	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08	1.8E-08
40.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
50.0	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09	7.6E-09
MAX CONC	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	2.7E-05	2.7E-05	2.2E-05	3.0E-05	4.1E-05	3.5E-05	4.1E-05	3.5E-05	1.0E-05	8.4E-06
DIST(MI)	.5	.5	.5	.5	.5	.5	.3	.3	.2	.2	.2	.2	.2	.2	.7	.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-27

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE HIGH FLOW
STABILITY UNSTABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	2.8E-06	*2.8E-06	*2.8E-06	2.8E-06	2.8E-06	2.8E-06	8.8E-06	1.3E-05	1.9E-05	2.2E-05	3.2E-05	2.8E-05	3.2E-05	2.8E-05	2.8E-06	2.8E-06
.2	*3.5E-06	3.5E-06	3.5E-06	*3.5E-06	3.5E-06	3.5E-06	9.6E-06	1.4E-05	1.8E-05	2.4E-05	2.9E-05	2.6E-05	2.9E-05	2.6E-05	3.5E-06	*3.5E-06
.3	5.2E-06	5.2E-06	5.2E-06	5.2E-06	*5.2E-06	5.2E-06	2.0E-05	2.0E-05	1.6E-05	2.0E-05	2.3E-05	2.1E-05	2.3E-05	2.1E-05	5.2E-06	5.2E-06
.4	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	1.6E-05	1.6E-05	1.4E-05	1.4E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	*6.2E-06	6.2E-06
.5	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	*5.9E-06	1.1E-05	1.1E-05	1.0E-05	1.0E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	5.9E-06	5.9E-06
.5	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	9.8E-06	9.8E-06	9.4E-06	9.1E-06	9.6E-06	9.8E-06	9.8E-06	*9.6E-06	5.7E-06	5.7E-06
.6	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	9.3E-06	9.3E-06	8.9E-06	8.7E-06	9.1E-06	9.3E-06	*9.3E-06	9.1E-06	5.5E-06	5.5E-06
.6	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	8.8E-06	8.8E-06	8.7E-06	*8.3E-06	8.7E-06	8.8E-06	8.8E-06	8.7E-06	5.4E-06	5.4E-06
.6	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	8.4E-06	8.5E-06	8.3E-06	7.9E-06	*8.3E-06	8.4E-06	8.4E-06	8.3E-06	5.3E-06	5.3E-06
.7	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	*6.9E-06	7.1E-06	7.1E-06	6.9E-06	6.9E-06	*6.9E-06	6.9E-06	6.8E-06	6.6E-06	4.7E-06
.7	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	6.6E-06	6.8E-06	*6.8E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.5E-06	6.3E-06	4.6E-06
.7	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	6.3E-06	*6.5E-06	6.5E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	4.5E-06
1.0	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.0E-06
1.5	1.7E-06	1.8E-06	1.7E-06	1.7E-06	1.7E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06	1.7E-06
2.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
2.5	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.7E-07	7.7E-07	7.8E-07	7.9E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07
3.0	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07
3.5	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07
4.0	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
4.5	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07
5.0	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07
6.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
7.0	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
8.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
9.0	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08
10.0	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08
15.0	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08
20.0	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08
25.0	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08
30.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
40.0	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09	6.6E-09
50.0	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09	4.5E-09
MAX CONC	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	2.0E-05	2.0E-05	1.9E-05	2.4E-05	3.2E-05	2.8E-05	3.2E-05	2.8E-05	6.6E-06	6.2E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.7	.4

TABLE NO. V-28

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE HIGH FLOW
STABILITY UNSTABLE
SPEED 7. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	2.8E-06	*2.8E-06	*2.8E-06	2.8E-06	2.7E-06	2.8E-06	8.1E-06	1.2E-05	1.6E-05	1.8E-05	2.6E-05	2.3E-05	2.6E-05	2.3E-05	2.8E-06	2.8E-06
.2	*3.4E-06	3.4E-06	3.4E-06	*3.4E-06	3.4E-06	3.4E-06	8.5E-06	1.2E-05	1.5E-05	1.9E-05	2.3E-05	2.1E-05	2.3E-05	2.1E-05	3.4E-06	*3.4E-06
.3	4.5E-06	4.5E-06	4.5E-06	4.5E-06	*4.5E-06	4.5E-06	1.5E-05	1.5E-05	1.3E-05	1.5E-05	1.8E-05	1.6E-05	1.8E-05	1.6E-05	4.5E-06	4.5E-06
.4	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	1.2E-05	1.2E-05	1.0E-05	1.1E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	*5.0E-06	5.0E-06
.5	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	*4.6E-06	8.1E-06	8.1E-06	7.5E-06	7.5E-06	7.9E-06	8.1E-06	8.1E-06	7.9E-06	4.6E-06	4.6E-06
.5	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	7.2E-06	7.2E-06	6.9E-06	6.7E-06	7.1E-06	7.2E-06	7.2E-06	*7.1E-05	4.3E-06	4.3E-06
.6	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	6.8E-06	6.8E-06	6.5E-06	6.4E-06	6.7E-06	6.8E-06	*6.8E-06	6.7E-06	4.2E-06	4.2E-06
.6	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	6.4E-06	6.4E-06	6.3E-06	*6.1E-06	6.3E-06	6.4E-06	6.4E-06	6.3E-06	4.1E-06	4.1E-06
.6	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	6.1E-06	6.2E-06	6.0E-06	5.8E-06	*6.0E-06	6.1E-06	6.1E-06	6.0E-06	4.0E-06	4.0E-06
.7	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	*5.0E-06	5.1E-06	5.1E-06	5.0E-06	5.0E-06	*5.0E-06	5.0E-06	5.0E-06	4.8E-06	3.5E-06
.7	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	4.8E-06	4.9E-06	*4.9E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.7E-06	4.6E-06	3.4E-06
.7	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	4.6E-06	*4.7E-06	4.7E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.5E-06	4.5E-06	3.3E-06
1.0	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.6E-06	2.7E-06	2.7E-06	2.6E-06	2.7E-06	2.2E-06
1.5	1.2E-06	1.3E-06	1.3E-06	1.2E-06	1.2F-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.2E-06
2.0	8.2E-07	8.1E-07	8.1E-07	8.1E-07	7.7E-07	8.1E-07	8.1E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.1E-07	7.7E-07
2.5	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.5E-07	5.5E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07
3.0	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
3.5	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07
4.0	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07
4.5	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
5.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
6.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
7.0	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08	9.5E-08
8.0	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08	7.5E-08
9.0	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08
10.0	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08
15.0	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08	2.6E-08
20.0	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08
25.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
30.0	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8F-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09	7.8E-09
40.0	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09	4.7E-09
50.0	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09	3.2E-09
MAX CONC	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	1.5E-05	1.5E-05	1.6E-05	1.9E-05	2.6E-05	2.3E-05	2.6E-05	2.3E-05	5.0E-06	5.0E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.4	.4

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-29

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE HIGH FLOW
STABILITY STABLE
SPEED 1. MPH

DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
.2	O.	*O.	*O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.
.2	*O.	O.	O.	*O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	*O.
.3	O.	O.	O.	O.	*O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.
.4	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	*O.	O.
.5	O.	O.	O.	O.	O.	*O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.
.5	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	*O.	O.	O.
.6	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	*O.	O.	O.	O.
.6	O.	O.	O.	O.	O.	O.	O.	O.	O.	*O.	O.	O.	O.	O.	O.	O.
.6	O.	O.	O.	O.	O.	O.	O.	O.	O.	O.	*O.	O.	O.	O.	O.	O.
.7	O.	O.	O.	O.	O.	O.	*O.	O.	O.	O.	O.	*O.	O.	O.	O.	O.
.7	O.	O.	O.	O.	O.	O.	O.	O.	*O.	O.	O.	O.	O.	O.	O.	O.
.7	O.	O.	O.	O.	O.	O.	O.	*O.	O.	O.	O.	O.	O.	O.	O.	O.
1.0	O.	O.	O.	O.	O.	O.	8.4E-14	8.4E-14	2.8E-12	2.2E-15	O.	2.2E-15	2.2E-15	O.	2.2E-15	O.
1.5	O.	O.	O.	O.	O.	O.	1.2E-09	8.3E-09	2.4E-07	8.3E-09	3.3E-09	8.3E-09	4.8E-08	8.3E-09	1.6E-10	O.
2.0	2.2E-06	1.7E-08	6.6E-08	1.7E-08	O.	1.2E-10	6.6E-08	2.3E-07	2.2E-06	1.4E-05	2.3E-07	2.2E-06	2.2E-06	7.5E-07	1.7E-08	O.
2.5	2.5E-05	5.1E-07	3.0E-06	1.8E-07	1.4E-09	6.4E-08	5.1E-07	1.3E-06	6.5E-06	4.3E-05	1.8E-05	6.5E-06	6.5E-06	2.5E-05	1.8E-07	5.1E-07
3.0	3.3E-05	3.3E-05	6.5E-06	7.7E-07	7.7E-07	3.4E-07	1.7E-06	3.4E-06	[illegible]	1.1E-04	2.6E-05	1.2E-05	1.2E-05	3.3E-05	6.5E-06	5.1E-05
3.5	3.9E-05	3.8E-05	1.0E-05	1.8E-06	3.5E-06	3.5E-06	3.5E-06	1.0E-05	1.7E-05	1.4E-04	7.4F-05	1.7E-05	1.7E-05	3.9E-05	3.9E-05	1.0E-04
4.0	7.2E-05	7.2E-05	1.4E-05	5.7E-06	3.0E-05	5.7E-06	5.7E-06	1.4E-05	2.1E-05	1.4E-04	9.1E-05	3.0E-05	5.6E-05	9.1E-05	4.2E-05	1.1E-04
4.5	6.8E-05	6.8E-05	3.3E-05	1.1E-05	3.3E-05	7.9E-06	7.9E-06	1.7E-05	2.4E-05	1.2E-04	1.1E-04	4.3E-05	9.6E-05	1.1E-04	6.8E-05	1.2E-04
5.0	9.0E-05	6.3E-05	3.4E-05	1.3E-05	3.4E-05	1.0E-05	1.0E-05	1.9E-05	2.6E-05	1.0E-04	9.5E-05	6.3E-05	9.0E-05	9.5E-05	7.6E-05	1.0E-04
6.0	7.9E-05	7.5E-05	3.4E-05	1.7E-05	3.4E-05	2.8E-05	2.8E-05	2.2E-05	2.8E-05	8.0E-05	7.5E-05	6.3E-05	8.0E-05	7.9E-05	8.0E-05	8.0E-05
7.0	6.5E-05	6.2E-05	4.0E-05	2.3E-05	4.2E-05	3.3E-05	2.8E-05	2.3E-05	[illegible]	6.5E-05	6.4E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	5.5E-05
8.0	5.4E-05	5.3E-05	4.9E-05	3.0E-05	3.8E-05	3.0E-05	2.7E-05	2.3E-05	3.0E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05
9.0	4.6E-05	4.6E-05	4.2E-05	2.8E-05	3.4E-05	2.8E-05	2.5E-05	2.2E-05	2.8E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05
10.0	4.0E-05	4.0E-05	3.7E-05	2.5E-05	3.0E-05	2.6E-05	2.4E-05	2.1E-05	2.6E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05
15.0	2.2E-05	2.2E-05	2.2E-05	2.0E-05	1.9E-05	1.8E-05	1.7E-05	1.6E-05	1.8E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05
20.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.3E-05	1.2E-05	1.2E-05	1.3E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
25.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.0E-05	9.7E-06	9.5E-06	9.2E-06	9.7E-06	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
30.0	8.4E-06	8.4E-06	8.3E-06	8.3E-06	8.0E-06	7.7E-06	7.6E-06	7.4E-06	7.7E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4F-06	8.4E-06	8.4E-06
40.0	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.4E-06	5.3E-06	5.2E-06	5.1E-06	5.3E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06
50.0	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.0E-06	3.9E-06	3.9E-06	3.8E-06	3.9E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1F-06	4.1E-06	4.1E-06
MAX CONC	9.0E-05	7.5E-05	4.9E-05	3.0E-05	4.2E-05	3.3E-05	2.8E-05	2.3E-05	3.3E-05	1.4E-04	1.1E-04	6.5E-05	9.6E-05	1.1E-04	8.0E-05	1.2E-04
DIST(MI)	5.0	6.0	8.0	8.0	7.0	7.0	6.0	7.0	7.0	3.5	4.5	7.0	4.5	4.5	6.0	4.5

TABLE NO. V-30

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE HIGH FLOW
STABILITY STABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	1.2E-15	1.2E-15	0.	0.	0.	1.2E-15	1.2E-15	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	1.5E-14	1.5E-14	0.	0.	0.	1.5E-14	1.5E-14	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	4.6E-14	4.6E-14	0.	0.	0.	4.6E-14	*4.6E-14	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.3E-13	1.3E-13	0.	*0.	0.	1.3E-13	1.3E-13	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	3.3E-13	3.1E-11	2.0E-15	0.	*2.0E-15	3.3E-13	3.3E-13	2.0E-15	0.	0.
.7	0.	0.	0.	0.	0.	0.	*7.6E-12	1.1E-08	1.1E-08	7.6E-12	9.4E-13	*7.6E-12	7.6E-12	1.0E-13	0.	0.
.7	0.	0.	0.	0.	0.	0.	1.5E-11	1.6E-08	*2.6E-07	1.5E-11	1.5E-11	1.5E-11	1.5E-11	2.4E-13	0.	0.
.7	0.	0.	0.	0.	0.	0.	2.7E-11	*2.2E-08	3.4E-07	2.7E-11	2.7E-11	2.7E-11	2.7E-11	5.0E-13	5.0E-13	0.
1.0	0.	0.	0.	0.	0.	0.	6.1E-07	6.1E-07	3.3E-06	8.5E-08	9.1E-09	8.5E-08	8.5E-08	9.1E-09	8.5E-08	0.
1.5	0.	5.5E-10	0.	0.	0.	5.5E-10	5.8E-06	1.4E-05	6.3E-05	1.4E-05	9.1E-06	1.4E-05	3.2E-05	1.4E-05	1.8E-06	0.
2.0	6.1E-05	5.8E-06	1.2E-05	5.8E-06	0.	2.9E-07	1.2E-05	2.3E-05	6.1E-05	1.1E-04	2.3E-05	6.1E-05	6.1E-05	3.9E-05	5.8E-06	0.
2.5	8.4E-05	1.7E-05	4.0E-05	9.9E-06	4.8E-07	5.4E-06	1.7E-05	2.7E-05	5.5E-05	8.6E-05	7.7E-05	5.5E-05	5.5E-05	8.4E-05	9.9E-06	1.7E-05
3.0	6.7E-05	6.7E-05	3.8E-05	1.3E-05	1.3E-05	8.0E-06	1.9E-05	2.8E-05	4.8E-05	6.8E-05	6.3E-05	4.8E-05	4.8E-05	6.7E-05	3.8E-05	6.8E-05
3.5	5.5E-05	5.5E-05	3.4E-05	1.4E-05	2.0E-05	2.0E-05	2.0E-05	3.4E-05	4.2E-05	5.6E-05	5.6E-05	4.2E-05	4.2E-05	5.5E-05	5.5E-05	5.6E-05
4.0	4.7E-05	4.7E-05	3.1E-05	2.0E-05	4.2E-05	2.0E-05	2.0E-05	3.1E-05	3.7E-05	4.7E-05	4.7E-05	4.2E-05	4.7E-05	4.7E-05	4.6E-05	4.7E-05
4.5	4.0E-05	4.0E-05	3.6E-05	2.3E-05	3.5E-05	2.0E-05	2.0E-05	2.8E-05	3.3E-05	4.0E-05	4.0E-05	3.9E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05
5.0	3.4E-05	3.4E-05	3.2E-05	2.2E-05	3.2E-05	1.9E-05	1.9E-05	2.6E-05	2.9E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05
6.0	2.7E-05	2.7E-05	2.5E-05	1.9E-05	2.5E-05	2.4E-05	2.4E-05	2.1E-05	2.4E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05
7.0	2.2E-05	2.2E-05	2.2E-05	1.8E-05	2.2E-05	2.1E-05	2.0E-05	1.8E-05	2.1E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05
8.0	1.8E-05	1.8E-05	1.8E-05	1.7E-05	1.8E-05	1.7E-05	1.7E-05	1.6E-05	1.7E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
9.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.3E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
10.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.2E-05	1.2E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
15.0	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.4E-06	7.2E-06	7.0E-06	7.4E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06
20.0	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	4.9E-06	4.9E-06	4.8E-06	4.9E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06
25.0	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.5E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06
30.0	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.7E-06	2.3E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06
40.0	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06
50.0	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.3E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
MAX CONC	8.4E-05	6.7E-05	4.0E-05	2.3E-05	4.2E-05	2.4E-05	2.4E-05	3.4E-05	6.3E-05	1.1E-04	7.7E-05	6.1E-05	6.1E-05	8.4E-05	5.5E-05	6.8E-05
DIST(MI)	2.5	3.0	2.5	4.5	4.0	6.0	6.0	3.5	1.5	2.0	2.5	2.0	2.0	2.5	3.5	3.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-31

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE HIGH FLOW
STABILITY STABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.6E-13	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	9.0E-11	9.0E-11	0.	0.	6.2E-13	9.0E-11	9.0E-11	6.2E-13	0.	0.
.5	0.	0.	0.	0.	0.	0.	3.6E-10	3.6E-10	9.7E-15	0.	4.1E-12	3.6E-10	3.6E-10	*1.1E-12	0.	0.
.6	0.	0.	0.	0.	0.	0.	6.7E-10	6.7E-10	2.8E-14	0.	5.1E-12	6.7E-10	*6.7E-10	5.1E-12	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.2E-09	1.2E-09	2.0E-11	*0.	2.0E-11	1.2E-09	1.2E-09	2.0E-11	0.	0.
.6	0.	0.	0.	0.	0.	0.	2.0E-09	5.8E-08	3.9E-11	1.3E-15	*3.9E-11	2.0E-09	2.0E-09	3.9E-11	0.	0.
.7	0.	0.	0.	0.	0.	0.	*1.1E-08	2.1E-06	2.1E-08	1.1E-08	2.2E-09	*1.1E-08	1.1E-08	4.0E-10	6.4E-14	0.
.7	0.	0.	0.	0.	0.	0.	1.6E-08	2.5E-06	*1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	6.6E-10	1.5E-13	0.
.7	0.	0.	0.	0.	0.	0.	2.2E-08	*2.9E-06	1.7E-05	2.2E-08	2.2E-08	2.2E-08	2.2E-08	1.0E-09	1.0E-09	0.
1.0	0.	0.	0.	0.	0.	0.	1.1E-05	1.1E-05	3.3E-05	2.6E-06	5.0E-07	2.6E-06	2.6E-06	5.0E-07	2.6E-06	0.
1.5	0.	1.6E-08	5.2E-14	0.	0.	1.6E-08	2.2E-05	4.2E-05	9.4E-05	4.2E-05	3.1E-06	4.2E-05	6.8E-05	4.2E-05	1.0E-05	0.
2.0	6.8E-05	1.5E-05	2.6E-05	1.5E-05	5.7E-14	1.5E-06	2.6E-05	3.9E-05	6.8E-05	6.9E-05	3.9E-05	6.8E-05	6.8E-05	5.4E-05	1.5E-05	5.7E-14
2.5	5.2E-05	2.5E-05	4.4E-05	1.7E-05	1.6E-06	1.1E-05	2.5E-05	3.5E-05	5.1E-05	5.2E-05	5.2E-05	5.1E-05	5.1E-05	5.2E-05	1.7E-05	2.5E-05
3.0	4.1E-05	4.1E-05	3.6E-05	1.8E-05	1.8E-05	1.2E-05	2.4E-05	3.0E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	3.6E-05	4.1E-05
3.5	3.3E-05	3.3E-05	3.0E-05	1.7E-05	2.1E-05	2.1E-05	2.1E-05	3.0E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05
4.0	2.8E-05	2.8E-05	2.6E-05	1.9E-05	2.8E-05	1.9E-05	1.9E-05	2.6E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05
4.5	2.4E-05	2.4E-05	2.4E-05	2.0E-05	2.4E-05	1.7E-05	1.7E-05	2.2E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05
5.0	2.1E-05	2.1E-05	2.1E-05	1.7E-05	2.1E-05	1.6E-05	1.6E-05	1.8E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05
6.0	1.6E-05	1.6E-05	1.6E-05	1.4E-05	1.6E-05	1.6E-05	1.6E-05	1.5E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05
7.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
8.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.0E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
9.0	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	8.9E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06
10.0	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.7E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06
15.0	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.4E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06
20.0	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06
25.0	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06
30.0	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
40.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
50.0	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07
MAX CONC	6.8E-05	4.1E-05	4.4E-05	2.0E-05	2.8E-05	2.1E-05	2.6E-05	4.2E-05	9.4E-05	6.9E-05	5.2E-05	6.8E-05	6.8E-05	5.4E-05	3.6E-05	4.1E-05
DIST(MI)	2.0	3.0	2.5	4.5	4.0	3.5	2.0	1.5	1.5	2.0	2.5	2.0	2.0	2.0	3.0	3.0

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-37

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q
VENT RELEASE HIGH FLOW
STABILITY STABLE
SPEED 7. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	5.0E-13	5.0E-13	0.	0.	5.0E-13	1.8E-10	5.0E-13	5.0E-13	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	1.1E-08	1.1E-08	2.2E-15	2.2E-15	1.8E-10	1.1E-08	1.1E-08	1.8E-10	0.	0.
.5	0.	0.	0.	0.	0.	0.	2.8E-08	2.8E-08	3.9E-12	2.4E-14	6.6E-10	2.8E-08	2.8E-08	*6.6E-10	0.	0.
.6	0.	0.	0.	0.	0.	0.	4.1E-08	4.1E-08	8.6E-12	6.7E-14	1.2E-09	4.1E-08	*4.1E-08	1.2E-09	0.	0.
.6	0.	0.	0.	0.	0.	0.	5.9E-08	5.9E-08	2.0E-09	*1.8E-13	2.0E-09	5.9E-08	5.9E-08	2.0E-09	0.	0.
.6	0.	0.	0.	0.	0.	0.	8.2E-08	1.2E-06	3.2E-09	4.3E-13	*3.2E-09	8.2E-08	6.2E-08	3.2E-09	0.	0.
.7	0.	0.	0.	0.	0.	0.	*2.5E-07	1.5E-05	1.5E-05	2.5E-07	6.6E-08	*2.5E-07	2.5E-07	1.6E-08	8.5E-12	0.
.7	0.	0.	0.	0.	0.	0.	3.1E-07	1.6E-05	*6.2E-05	3.1E-07	3.1E-07	3.1E-07	3.1E-07	2.2E-08	1.6E-11	0.
.7	0.	0.	0.	0.	0.	0.	3.8E-07	*1.8E-05	6.3E-05	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.0E-08	3.0E-08	0.
1.0	0.	0.	0.	0.	0.	0.	2.9E-05	2.9E-05	6.5E-05	1.0E-05	2.6E-06	1.0E-05	1.0E-05	2.6E-06	1.0E-05	0.
1.5	0.	7.7E-08	8.8E-13	0.	0.	7.7E-06	3.4E-05	5.3E-05	6.9E-05	5.3E-05	4.3E-05	5.3E-05	6.9E-05	5.3E-05	1.8E-05	0.
2.0	4.9E-05	2.0E-05	3.0E-05	2.0E-05	4.7E-13	3.0E-06	3.0E-05	4.1E-05	4.9E-05	4.9E-05	4.1F-05	4.9E-05	4.9E-05	4.9E-05	2.0E-05	4.7E-13
2.5	3.7E-05	2.6E-05	3.7E-05	2.0E-05	2.7E-06	1.4E-05	2.6E-05	3.3E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	2.0E-05	2.6E-05
3.0	2.9E-05	2.9E-05	2.9E-05	1.9E-05	1.8E-05	1.4E-05	2.2E-05	2.7E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05
3.5	2.4E-05	2.4E-05	2.4E-05	1.6E-05	1.9E-05	1.9E-05	1.9E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05
4.0	2.0E-05	2.0E-05	2.0E-05	1.7E-05	2.0E-05	1.7E-05	1.7E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05
4.5	1.7E-05	1.7E-05	1.7E-05	1.6E-05	1.7E-05	1.5E-05	1.5E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05
5.0	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.3E-05	1.3E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
6.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
7.0	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06
8.0	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06
9.0	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06
10.0	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06
15.0	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06
20.0	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06
25.0	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06
30.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
40.0	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07
50.0	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07
MAX CONC	4.9E-05	2.9E-05	3.7E-05	2.0E-05	2.0E-05	1.9E-05	3.4E-05	5.3E-05	6.9E-05	5.3E-05	4.3E-05	5.3E-05	6.9E-05	5.3E-05	2.9E-05	2.9E-05
DIST(MI)	2.0	3.0	2.5	2.0	4.0	3.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-33

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	1.9E-06	*1.9E-06	*1.9E-06	1.9E-06	1.9E-06	1.9E-06	8.9E-06	1.6E-05	2.6E-05	3.3E-05	6.4E-05	5.1E-05	6.4E-05	5.1E-05	1.9E-06	1.9E-06
.2	*3.1E-06	3.1E-06	3.1E-06	*3.1E-06	3.1E-06	3.1E-06	1.2E-05	1.9E-05	3.0E-05	4.5E-05	6.6E-05	5.4E-05	6.6E-05	5.4E-05	3.1E-06	*3.1E-06
.3	7.7E-06	7.7E-06	7.7E-06	7.7E-06	*7.7E-06	7.7E-06	5.0E-05	5.0E-05	3.8E-05	5.0E-05	6.5E-05	5.7E-05	6.5E-05	5.7E-05	7.7E-06	7.7E-06
.4	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	5.5E-05	5.5E-05	4.3E-05	4.7E-05	5.5E-05	5.9E-05	5.5E-05	5.8E-05	*1.4E-05	1.4E-05
.5	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	*1.8E-05	4.4E-05	4.4E-05	3.8E-05	3.8E-05	4.2E-05	4.4E-05	4.4E-05	4.2E-05	1.8E-05	1.8E-05
.5	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	4.0E-05	4.0E-05	3.7E-05	3.5E-05	3.9E-05	4.0E-05	4.0E-05	*3.9E-05	1.8E-05	1.8E-05
.6	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	3.8E-05	3.9E-05	3.5E-05	3.4E-05	3.7E-05	3.9E-05	*3.9E-05	3.7E-05	1.8E-05	1.8E-05
.6	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	3.7E-05	3.7E-05	3.6E-05	*3.3E-05	3.6E-05	3.7E-05	3.7E-05	3.6E-05	1.8E-05	1.8E-05
.6	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	3.5E-05	3.6E-05	3.4E-05	3.1E-05	*3.4E-05	3.5E-05	3.5E-05	3.4E-05	1.8E-05	1.8E-05
.7	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	*3.0E-05	3.1E-05	3.1E-05	3.0E-05	2.9E-05	*3.0E-05	3.0E-05	2.9E-05	2.7E-05	1.7E-05
.7	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	2.8E-05	3.0E-05	*3.0E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.6E-05	1.7E-05
.7	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	2.7E-05	*2.9E-05	2.9E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	1.6E-05
1.0	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.7E-05	1.7E-05	1.7E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.2E-05
1.5	6.9E-06	7.7E-06	7.3E-06	6.9E-06	6.9E-06	7.7E-06	8.1E-06	8.2E-06	8.2E-06	8.2E-06	8.1E-06	8.2E-06	8.2E-06	8.2E-06	8.1E-06	6.9E-06
2.0	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.4E-06	4.7E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.4E-06
2.5	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.1E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06
3.0	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06
3.5	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
4.0	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
4.5	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
5.0	8.7E-07	8.7E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07
6.0	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07
7.0	4.6E-07	4.6E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07
8.0	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
9.0	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07
10.0	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07
15.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
20.0	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08
25.0	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08
30.0	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08
40.0	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08
50.0	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09	9.8E-09
MAX CONC	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	5.5E-05	5.5E-05	4.3E-05	5.0E-05	6.6E-05	5.9E-05	6.6E-05	5.7E-05	2.7E-05	1.8E-05
DIST(MI)	.5	.5	.5	.5	.5	.5	.4	.4	.4	.3	.2	.4	.2	.3	.7	.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V- 1

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	3.9E-06	*3.9E-06	*3.9E-06	3.9E-06	3.9E-06	3.9E-06	1.3E-05	1.9E-05	2.8E-05	3.2E-05	5.0E-05	4.3E-05	5.0E-05	4.3E-05	3.9E-06	3.9E-06
.2	*5.0E-06	5.0E-06	5.0E-06	*5.0E-06	5.0E-06	5.0E-06	1.4E-05	2.0E-05	2.8E-05	3.6E-05	4.6E-05	4.1E-05	4.6E-05	4.1E-05	5.0E-06	*5.0E-06
.3	7.7E-06	7.7E-06	7.7E-06	7.7E-06	*7.7E-06	7.7E-06	3.1E-05	3.1E-05	2.5E-05	3.1E-05	3.6E-05	3.3E-05	3.6E-05	3.3E-05	7.7E-06	7.7E-06
.4	9.6E-06	9.6E-06	9.6E-06	9.6E-07	9.6E-06	9.6E-06	2.5E-05	2.5E-05	2.2E-05	2.3E-05	2.5E-05	2.6E-05	2.5E-05	2.5E-05	*9.6E-06	9.6E-06
.5	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	*9.3E-06	1.8E-05	1.8E-05	1.6E-05	1.6E-05	1.7E-05	1.8E-05	1.8E-05	1.7E-05	9.3E-06	9.3E-06
.5	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	1.6E-05	1.6E-05	1.5E-05	1.5E-05	1.6E-05	1.6E-05	1.6E-05	*1.6E-05	8.9E-06	8.9E-06
.6	8.7E-06	8.7E-06	8.7E-06	8.7E-06	8.7E-06	8.7E-06	1.5E-05	1.5E-05	1.4E-05	1.4E-05	1.5E-05	1.5E-05	*1.5E-05	1.5E-05	8.7E-06	8.7E-06
.6	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	1.4E-05	1.4E-05	1.4E-05	*1.3E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	8.5E-06	8.5E-06
.6	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	1.4E-05	1.4E-05	1.3E-05	1.3E-05	*1.3E-05	1.4E-05	1.4E-05	1.3E-05	8.3E-06	8.3E-06
.7	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	*1.1E-05	1.2E-05	1.2E-05	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	7.5E-06
.7	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.0E-05	7.3E-06
.7	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	1.0E-05	*1.1E-05	1.1E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	7.1E-06
1.0	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	6.0E-06	6.0E-06	6.0E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	4.8E-06
1.5	2.6E-06	2.9E-06	2.7E-06	2.6E-06	2.6E-06	2.9E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	2.9E-06	2.6E-06
2.0	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.7E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.7E-06
2.5	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
3.0	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07
3.5	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07
4.0	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07
4.5	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07
5.0	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
6.0	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07
7.0	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
8.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
9.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
10.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
15.0	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08
20.0	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08
25.0	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08
30.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
40.0	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09
50.0	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09
MAX CONC	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	3.1E-05	3.1E-05	2.8E-05	3.6E-05	5.0E-05	4.3E-05	5.0E-05	4.3E-05	1.1E-05	9.6E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.7	.4

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V- 2

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 8. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	3.9E-06	*3.9E-06	*3.9E-06	3.9E-06	3.9E-06	3.9E-06	1.1E-05	1.6E-05	2.2E-05	2.6E-05	3.6E-05	3.2E-05	3.6E-05	3.2E-05	3.9E-06	3.9E-06
.2	*4.7E-06	4.7E-06	4.7E-06	*4.7E-06	4.7E-06	4.7E-06	1.2E-05	1.6E-05	2.1E-05	2.7E-05	3.3E-05	3.0E-05	3.3E-05	3.0E-05	4.7E-06	*4.7E-06
.3	6.3E-06	6.3E-06	6.3E-06	6.3E-06	*6.3E-06	6.3E-06	2.1E-05	2.1E-05	1.8E-05	2.1E-05	2.8E-05	2.3E-05	2.5E-05	2.3E-05	6.3E-06	6.3E-06
.4	7.0E-06	7.0E-06	7.0E-06	7.0E-06	7.0E-06	7.0E-06	1.6E-05	1.6E-05	1.4E-05	1.5E-05	1.6E-05	1.7E-05	1.6E-05	1.6E-05	*7.0E-06	7.0E-06
.5	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	*6.3E-06	1.1E-05	1.1E-05	1.0E-05	1.0E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	6.3E-06	6.3E-06
.5	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	1.0E-05	1.0E-05	9.6E-06	9.3E-06	9.8E-06	1.0E-05	1.0E-05	*9.8E-06	6.0E-06	6.0E-06
.6	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	9.4E-06	9.4E-06	9.1E-06	8.9E-06	9.3E-06	9.4E-06	*9.4E-06	9.3E-06	5.9E-06	5.9E-06
.6	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	8.9E-06	8.9E-06	8.8E-06	*8.4E-06	8.8E-06	8.9E-06	8.9E-06	8.8E-06	5.7E-06	5.7E-06
.6	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	8.5E-06	8.6E-06	8.4E-06	8.0E-06	*8.4E-06	8.5E-06	8.6E-06	8.4E-06	5.5E-06	5.5E-06
.7	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	*7.0E-06	7.1E-06	7.1E-06	7.0E-06	6.9E-06	*7.0E-06	7.0E-06	6.9E-06	6.6E-06	4.9E-06
.7	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	6.6E-06	6.8E-06	*6.8E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.4E-06	4.8E-06
.7	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	6.3E-06	*6.8E-06	6.8E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	4.6E-06
1.0	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.7E-06	3.7E-06	3.7E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.0E-06
1.5	1.6E-06	1.8E-06	1.7E-06	1.6E-06	1.6E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.6E-06
2.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.0E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.0E-06
2.5	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07
3.0	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
3.5	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
4.0	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07
4.5	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
5.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
6.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
7.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
8.0	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08
9.0	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08
10.0	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08
15.0	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08
20.0	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
25.0	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
30.0	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09
40.0	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09
50.0	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09
MAX CONC	7.0E-06	7.0E-06	7.0E-06	7.0E-06	7.0E-06	7.0E-06	2.1E-05	2.1E-05	2.2E-05	2.7E-05	3.6E-05	3.2E-05	3.6E-05	3.2E-05	7.0E-06	7.0E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.4	.4

TABLE NO. V- 3

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 8. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	1.3E-05	*1.3E-05	*1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.8E-05	2.0E-05	2.2E-05	2.4E-05	2.7E-05	2.6E-05	2.7E-05	2.6E-05	1.3E-05	1.3E-05
.2	*1.2E-05	1.2E-05	1.2E-05	*1.2E-05	1.2E-05	1.2E-05	1.6E-05	1.8E-05	2.0E-05	2.2E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	1.2E-05	*1.2E-05
.3	9.9E-06	9.9E-06	9.9E-06	9.9E-06	*9.9E-06	9.9E-06	1.6E-05	1.6E-05	1.8E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	9.9E-06	9.9E-06
.4	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	1.0E-05	1.0E-05	9.9E-06	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	*7.3E-06	7.3E-06
.5	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	*5.3E-06	6.8E-06	6.8E-06	6.8E-06	6.6E-06	6.8E-06	6.8E-06	6.8E-06	6.8E-06	5.3E-06	5.3E-06
.5	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	6.0E-06	6.0E-06	5.9E-06	5.9E-06	6.0E-06	6.0E-06	6.0E-06	*6.0E-06	4.8E-06	4.8E-06
.6	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	5.7E-06	5.7E-06	5.6E-06	5.6E-06	5.7E-06	5.7E-06	*5.7E-06	5.7E-06	4.6E-06	4.6E-06
.6	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	5.4E-06	5.4E-06	5.3E-06	*5.3E-06	5.3E-06	5.4E-06	5.4E-06	5.3E-06	4.4E-06	4.4E-06
.6	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	5.1E-06	5.1E-06	5.1E-06	5.0E-06	*5.1E-06	5.1E-06	5.1E-06	5.1E-06	4.2E-06	4.2E-06
.7	3.6E-06	3.6E-06	3.6E-06	3.6E-05	3.6E-06	3.6E-06	*4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	*4.1E-06	4.1E-06	4.1E-06	4.1E-06	3.6E-06
.7	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.9E-06	4.0E-06	*4.0E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.4E-06
.7	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.8E-06	*3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.3E-06
1.0	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.0E-06
1.5	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.0E-06
2.0	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.2E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.2E-07
2.5	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07
3.0	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07
3.5	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07
4.0	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
4.5	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
5.0	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
6.0	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08
7.0	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08
8.0	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08
9.0	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08
10.0	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08
15.0	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
20.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
25.0	7.7E-09	7.7E-09	7.7E-09	7.7E-09	7.7E-09	7.7E-09	7.7E-09	7.7E-09	7.7E-09	7.7E-09	7.7E-09	7.7E-09	7.7E-09	7.7E-09	7.7E-09	7.7E-09
30.0	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09
40.0	3.4E-09	3.4E-09	3.4E-09	3.4E-09	3.4E-09	3.4E-09	3.4E-09	3.4E-09	3.4E-09	3.4E-09	3.4E-09	3.4E-09	3.4E-09	3.4E-09	3.4E-09	3.4E-09
50.0	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09	2.3E-09
MAX CONC	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.8E-05	2.0E-05	2.2E-05	2.4E-05	2.7E-05	2.6E-05	2.7E-05	2.6E-05	1.3E-05	1.3E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V- 5

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY UNSTABLE
SPEED 10. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	1.1E-05*	1.1E-05*	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.5E-05	1.7E-05	1.9E-05	2.0E-05	2.2E-05	2.1E-05	2.2E-05	2.1E-05	1.1E-05	1.1E-05
.2	*1.0E-05	1.0E-05	1.0E-05*	1.0E-05	1.0E-05	1.0E-05	1.4E-05	1.5E-05	1.7E-05	1.8E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.0E-05*	1.0E-05
.3	8.5E-06	8.5E-06	8.5E-06	8.5E-06*	8.5E-06	8.5E-06	1.3E-05	1.3E-05	1.2E-05	1.3E-05	1.4E-05	1.3E-05	1.4E-05	1.3E-05	8.5E-06	8.5E-06
.4	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	8.5E-06	8.5E-06	6.2E-06	8.3E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06*	6.2E-06	6.2E-06
.5	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06*	4.5E-06	5.5E-06	5.5E-06	5.4E-06	5.4E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	4.5E-06	4.5E-06
.5	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.9E-06	4.9E-06	4.9E-06	4.8E-06	4.9E-06	4.9E-06	4.9E-06*	4.9E-06	4.0E-06	4.0E-06
.6	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.[illegible]-06	3.8E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06*	4.6E-06	4.6E-06	3.8E-06	3.8E-06
.6	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	4.4E-06	4.4E-06	4.4E-06*	4.3E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	3.7E-06	3.7E-06
.6	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06*	4.1E-06	4.1E-06	4.1E-06	4.1E-06	3.5E-06	3.5E-06
.7	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06*	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06*	3.4E-06	3.4E-06	3.4E-06	3.3E-06	2.9E-06
.7	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	3.2E-06	3.2E-06*	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	2.8E-06
.7	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	3.1E-06*	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	2.7E-06
1.0	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.6E-06
1.5	8.3E-07	8.6E-07	8.4E-07	8.3E-07	8.3E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.3E-07
2.0	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.1E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.1E-07
2.5	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
3.0	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
3.5	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
4.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
4.5	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
5.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
6.0	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08
7.0	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08
8.0	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08
9.0	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08
10.0	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08
15.0	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08	1.6E-08
20.0	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09
25.0	6.4E-09	6.4E-09	6.4E-09	6.4E-09	6.4E-09	6.4E-09	6.4E-09	6.4E-09	6.4E-09	6.4E-09	6.4E-09	6.4E-09	6.4E-09	6.4E-09	6.4E-09	6.4E-09
30.0	4.6E-09	4.6E-09	4.6E-09	4.6E-09	4.6E-09	4.6E-09	4.6E-09	4.6E-09	4.6E-09	4.6E-09	4.6E-09	4.6E-09	4.6E-09	4.6E-09	4.6E-09	4.6E-09
40.0	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-08	2.8E-09
50.0	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09	1.9E-09
MAX CONC	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.5E-05	1.7E-05	1.9E-05	2.0E-05	2.2E-05	2.1E-05	2.2E-05	2.1E-05	1.1E-05	1.1E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V- 6

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 12. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	2.3E-05	*2.3E-05	*2.3E-05	2.3E-05	2.3E-05	2.3E-05	3.8E-05	2.9E-05	3.9E-05	4.7E-05	7.0E-05	8.4E-05	7.0E-05	6.4E-05	2.3E-05	2.3E-05
.2	*2.1E-05	2.1E-05	2.1E-05	*2.1E-05	2.1E-05	2.1E-05	2.3E-05	2.8E-05	3.7E-05	6.1E-05	6.3E-05	6.3E-05	6.3E-05	5.8E-05	2.1E-05	*2.1E-05
.3	1.6E-05	1.6E-05	1.6E-05	1.6E-05	*1.6E-05	1.6E-05	4.0E-05	4.0E-05	3.1E-05	4.0E-05	4.7E-05	4.4E-05	4.7E-05	4.4E-05	1.6E-05	1.6E-05
.4	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	3.1E-05	3.1E-05	2.8E-05	2.8E-05	3.1E-05	3.1E-05	3.1E-05	3.4E-05	*1.1E-05	1.1E-05
.5	8.7E-06	8.7E-06	8.7E-06	8.7E-06	8.7E-06	*8.7E-06	2.2E-05	2.2E-05	2.0E-05	2.0E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	8.7E-06	8.7E-06
.5	8.2E-06	8.2E-06	8.2E-06	8.2E-06	8.2E-06	8.2E-06	1.9E-05	1.9E-05	1.9E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	*1.8E-05	8.2E-06	8.2E-06
.6	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	1.8E-05	1.8E-05	1.8E-05	1.7E-05	1.8E-05	1.8E-05	*1.8E-05	1.8E-05	8.0E-06	8.0E-06
.6	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	1.7E-05	1.7E-05	1.7E-05	*1.6E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	7.8E-06	7.8E-06
.6	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	1.7E-05	1.7E-05	1.7E-05	1.6E-05	*1.7E-05	1.7E-05	1.7E-05	1.7E-05	7.6E-06	7.6E-06
.7	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	*1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	*1.4E-05	1.4E-05	1.4E-05	1.3E-05	6.9E-06
.7	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	1.3E-05	1.3E-05	*1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	6.7E-06
.7	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	1.3E-05	*1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	6.6E-06
1.0	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	4.9E-06
1.5	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	3.1E-06
2.0	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.2E-06
2.5	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.5E-06
3.0	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
3.5	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
4.0	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07
4.5	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07
5.0	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07
6.0	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07
7.0	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
8.0	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07
9.0	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07
10.0	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
15.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
20.0	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08	6.3E-08
25.0	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08	4.4E-08
30.0	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08	3.3E-08
40.0	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08
50.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
MAX CONC	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	4.0E-05	4.0E-05	3.9E-05	6.1E-05	7.0E-05	8.4E-05	7.0E-05	6.4E-05	2.3E-05	2.3E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2

TABLE NO. V- 7

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 15. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	1.9E-05	*1.9E-05	*1.9E-05	1.8E-05	1.8E-05	1.9E-05	2.1E-05	2.6E-05	3.6E-05	4.3E-05	5.7E-05	5.6E-05	5.7E-05	5.6E-05	1.9E-05	1.9E-05
.2	*1.7E-05	1.7E-05	1.7E-05	*1.7E-05	1.7E-05	1.7E-05	2.0E-05	2.5E-05	3.4E-05	4.5E-05	5.1E-05	5.0E-05	5.1E-05	5.0E-05	1.7E-05	*1.7E-05
.3	1.3E-05	1.3E-05	1.3E-05	1.3E-05	*1.3E-05	1.3E-05	3.5E-05	3.5E-05	2.8E-05	3.5E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	1.3E-05	1.3E-05
.4	9.5E-06	9.5E-06	9.5E-06	9.5E-06	9.5E-06	9.5E-06	2.5E-05	2.8E-05	2.3E-05	2.4E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	*9.5E-06	9.5E-06
.5	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	*7.5E-06	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	7.5E-06	7.5E-06
.5	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	1.6E-05	1.6E-05	1.6E-05	1.5E-05	1.6E-05	1.6E-05	1.6E-05	*1.6E-05	7.1E-06	7.1E-06
.6	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.5E-05	*1.5E-05	1.5E-05	6.9E-06	6.9E-06
.6	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	1.4E-05	1.4E-05	1.4E-05	*1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	6.7E-06	6.7E-06
.6	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	1.3E-05	1.3E-05	1.3E-05	1.3E-05	*1.3E-05	1.3E-05	1.3E-05	1.3E-05	6.5E-06	6.5E-06
.7	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	5.9E-06
.7	5.8E-06	5.8E-06	5.8E-06	5.8E-06	5.8E-06	5.8E-06	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	5.8E-06
.7	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	1.0E-05	*1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	5.7E-06
1.0	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	4.2E-06
1.5	2.6E-06	3.2E-06	2.8E-06	2.6E-06	2.6E-06	3.2E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	2.6E-06
2.0	2.1E-06	2.1E-06	2.1E-06	2.1E-06	1.8E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	1.8E-06
2.5	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06
3.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
3.5	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07
4.0	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07	7.0E-07
4.5	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07
5.0	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07
6.0	3.7E-07	3.7E-07	3.7E-07	2.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07	3.7E-07
7.0	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07
8.0	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07
9.0	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
10.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
15.0	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08	8.4E-08
20.0	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08
25.0	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08	3.7E-08
30.0	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08
40.0	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08
50.0	1.3E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08	1.2E-08
MAX CONC	1.9E-05	1.9E-05	1.9E-05	1.8E-05	1.9E-05	1.9E-05	3.5E-05	3.5E-05	3.6E-05	4.8E-05	5.7E-05	5.6E-05	5.7E-05	5.6E-05	1.9E-05	1.9E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2

TABLE NO. V- 8

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 27. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	**NNE**	**NE**	**ENE**	**E**	**ESE**	**SE**	**SSE**	**S**	**SSW**	**SW**	**WSW**	**W**	**WNW**	**NW**	**NNW**	**N**
DISTANCE MILES																
.2	1.1E-05	*1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.4E-05	1.8E-05	2.6E-05	3.0E-05	3.2E-05	3.2E-05	3.2E-05	3.2E-05	1.1E-05	1.1E-05
.2	*1.0E-05	1.0E-05	1.0E-05	*1.0E-05	1.0E-05	1.0E-05	1.3E-05	1.8E-05	2.4E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	1.0E-05	*1.0E-05
.3	8.0E-06	8.0E-06	8.0E-06	8.0E-06	*8.0E-06	8.0E-06	2.2E-05	2.2E-05	1.9E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	8.0E-06	8.0E-06
.4	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	*6.1E-06	6.1E-06
.5	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	*4.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	4.9E-06	4.9E-06
.5	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.2E-06	*8.9E-06	4.6E-06	4.6E-06
.6	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	*8.5E-06	8.5E-06	4.5E-06	4.5E-06
.6	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	8.1E-06	8.1E-06	8.1E-06	*8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	4.4E-06	4.4E-06
.6	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	*7.7E-06	7.7E-06	7.7E-06	7.7E-06	4.2E-06	4.2E-06
.7	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	*6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	*6.4E-06	6.4E-06	6.4E-06	6.4E-06	3.8E-06
.7	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	6.2E-06	6.2E-06	*6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	3.7E-06
.7	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	5.9E-06	*5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	3.6E-06
1.0	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	2.6E-06
1.5	1.6E-06	1.9E-06	1.7E-06	1.6E-06	1.6E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.6E-06
2.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06
2.5	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07
3.0	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07
3.5	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07
4.0	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
4.5	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07
5.0	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07
6.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
7.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
8.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
9.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
10.0	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08
15.0	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08
20.0	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08
25.0	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08
30.0	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08
40.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
50.0	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09
MAX CONC	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	2.2E-05	2.2E-05	2.6E-05	3.0E-05	3.2E-05	3.2E-05	3.2E-05	3.2E-05	1.1E-05	1.1E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2

TABLE NO. V-11

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 18. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	1.6E-05*	1.6E-05*	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.9E-05	2.4E-05	3.3E-05	3.9E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05	1.6E-05	1.6E-05
.2*	1.5E-05	1.5E-05	1.5E-05*	1.5E-05	1.5E-05	1.5E-05	1.8E-05	2.3E-05	3.1E-05	4.0E-05	4.3E-05	4.3E-05	4.3E-05	4.3E-05	1.5E-05*	1.5E-05
.3	1.1E-05	1.1E-05	1.1E-05	1.1E-05*	1.1E-05	1.1E-05	3.1E-05	3.1E-05	2.8E-05	3.1E-05	3.2E-05	3.2E-05	3.2E-05	3.2E-05	1.1E-05	1.1E-05
.4	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	2.1E-05	2.1E-05	2.0E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05*	8.3E-06	8.3E-06
.5	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06*	6.6E-06	1.5E-05	1.5E-05	1.4E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	6.6E-06	6.6E-06
.5	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05*	1.3E-05	6.2E-06	6.2E-06
.6	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	1.3E-05	1.3E-05	1.3E-05	1.2E-05	1.3E-05	1.3E-05*	1.3E-05	1.3E-05	6.1E-06	6.1E-06
.6	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	1.2E-05	1.2E-05	1.2E-05*	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	5.9E-06	5.9E-06
.6	5.8E-06	5.8E-06	5.8E-06	5.8E-06	5.8E-06	5.8E-06	1.1E-05	1.1E-05	1.1E-05	1.1E-05*	1.1E-05	1.1E-05	1.1E-05	1.1E-05	5.8E-06	5.8E-06
.7	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.3E-06	5.2E-06*	9.5E-06	9.5E-06	9.5E-06	9.5E-06	9.5E-06*	9.5E-06	9.5E-06	9.5E-06	9.4E-06	5.2E-06
.7	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	9.1E-06	9.1E-06*	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.0E-06	5.1E-06
.7	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	8.7E-06*	8.7E-06	8.7E-06	8.7E-06	8.7E-06	8.7E-06	8.7E-06	8.7E-06	8.7E-06	5.0E-06
1.0	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	3.6E-06
1.5	2.3E-06	2.8E-06	2.5E-06	2.3E-06	2.3E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.3E-06	2.8E-06	2.8E-06	2.8E-06	2.3E-06
2.0	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.5E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.5E-06
2.5	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
3.0	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07
3.5	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07
4.0	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07	5.9E-07
4.5	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07
5.0	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07
6.0	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07
7.0	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07
8.0	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
9.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
10.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
15.0	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08	7.2E-08
20.0	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08
25.0	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08
30.0	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08
40.0	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08
50.0	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
MAX CONC	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	3.1E-05	3.1E-05	3.3E-05	4.0E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05	1.6E-05	1.6E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2

TABLE NO. V- 9

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 22. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	1.4E-05	*1.4E-05	*1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.6E-05	2.2E-05	3.0E-05	3.5E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	1.4E-05	1.4E-05
.2	*1.2E-05	1.2E-05	1.2E-05	*1.2E-05	1.2E-05	1.2E-05	1.5E-05	2.0E-05	2.8E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	1.2E-05	*1.2E-05
.3	9.5E-06	9.5E-06	9.5E-06	9.5E-06	*9.5E-06	9.5E-06	2.6E-05	2.6E-05	2.2E-05	2.6E-05	2.6E-05	2.6E-05	2.6E-05	2.6E-05	9.5E-06	9.5E-06
.4	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	1.8E-05	1.8E-05	1.7E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	*7.1E-06	7.1E-06
.5	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	*5.7E-06	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	5.7E-06	5.7E-06
.5	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	*1.1E-05	5.4E-06	5.4E-06
.6	5.2E-06	5.2E-03	5.2E-06	5.2E-06	5.2E-06	5.2E-06	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	*1.0E-05	1.0E-05	5.2E-06	5.2E-06
.6	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	9.8E-06	9.8E-06	9.8E-06	*9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	5.1E-06	5.1E-06
.6	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	9.4E-06	9.4E-06	9.4E-06	9.3E-06	*9.4E-06	9.4E-06	9.4E-06	9.4E-06	5.0E-06	5.0E-06
.7	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	*7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	*7.8E-06	7.8E-06	7.8E-06	7.8E-06	4.5E-06
.7	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	7.5E-06	7.5E-06	*7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	4.4E-06
.7	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	7.2E-06	*7.2E-06	7.2E-06	7.2E-06	7.2E-06	7.2E-06	7.2E-06	7.2E-06	7.2E-06	4.3E-06
1.0	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	3.1E-06
1.5	1.9E-06	2.3E-06	2.1E-06	1.9E-06	1.9E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	1.9E-06
2.0	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.3E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.3E-06
2.5	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
3.0	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07
3.5	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07
4.0	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07
4.5	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
5.0	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-C7	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
6.0	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
7.0	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
8.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
9.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
10.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
15.0	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08	6.1E-08
20.0	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08
25.0	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08
30.0	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08
40.0	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
50.0	8.8E-09	8.8E-09	8.8E-09	8.8E-09	8.8E-09	8.8E-09	8.8E-09	8.8E-09	8.8E-09	8.8E-09	8.8E-09	8.8E-09	8.8E-09	8.8E-09	8.8E-09	8.8E-09
MAX CONC	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	2.6E-05	2.6E-05	3.0E-05	3.5E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	1.4E-05	1.4E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2

TABLE NO. V-10

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY NEUTRAL
SPEED 27. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	1.1E-05	*1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.4E-05	1.9E-05	2.6E-05	3.0E-05	3.2E-05	3.2E-05	3.2E-05	3.2E-05	1.1E-05	1.1E-05
.2	*1.0E-05	1.0E-05	1.0E-05	*1.0E-05	1.0E-05	1.0E-05	1.3E-05	1.8E-05	2.4E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	1.0E-05	*1.0E-05
.3	8.0E-06	8.0E-06	8.0E-06	8.0E-06	*8.0E-06	8.0E-06	2.2E-05	2.2E-05	1.9E-05	2.2E-05	2.3E-05	2.2E-05	2.2E-05	2.2E-05	8.0E-06	8.0E-06
.4	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	*6.1E-06	6.1E-06
.5	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	*4.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	4.9E-06	4.9E-06
.5	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	*8.9E-06	4.6E-06	4.6E-06
.6	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	*8.5E-06	8.5E-06	4.5E-06	4.5E-06
.6	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	8.1E-06	8.1E-06	8.1E-06	*8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	4.4E-06	4.4E-06
.6	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	*7.7E-06	7.7E-06	7.7E-06	7.7E-06	4.2E-06	4.2E-06
.7	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	*6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	*6.4E-06	6.4E-06	6.4E-06	6.4E-06	3.8E-06
.7	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	6.2E-06	6.2E-06	*6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	3.7E-06
.7	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	5.9E-06	*5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	3.6E-06
1.0	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	2.6E-06
1.5	1.6E-06	1.9E-06	1.7E-06	1.6E-06	1.6E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.6E-06
2.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.1E-06
2.5	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07	8.5E-07
3.0	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07
3.5	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07
4.0	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
4.5	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07
5.0	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07
6.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
7.0	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07
8.0	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
9.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
10.0	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08
15.0	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08
20.0	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08
25.0	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08
30.0	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08
40.0	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08	1.1E-08
50.0	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09	7.4E-09
MAX CONC	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	3.2E-05	2.2E-05	2.6E-05	3.0E-05	3.2E-05	3.2E-05	3.2E-05	3.2E-05	1.1E-05	1.1E-05
DIST(MI)	.2	.2	.2	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2

TABLE NO. V-11

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	1.8E-15	1.8E-15	0.	0.	*0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	0.	4.3E-15	*4.4E-13	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	0.	*1.1E-14	9.8E-13	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	1.0E-10	1.0E-10	1.7E-09	4.7E-12	1.7E-13	4.7E-12	4.7E-12	1.7E-13	4.7E-12	0.
1.5	0.	1.5E-13	0.	0.	0.	1.5E-13	6.7E-08	3.2E-07	4.8E-06	3.2E-07	1.5E-07	3.2E-07	1.3E-06	3.2E-07	1.2E-08	0.
2.0	1.6E-05	3.0E-07	9.3E-07	3.0E-07	0.	4.1E-09	9.3E-07	2.7E-06	1.6E-05	8.5E-06	2.7E-06	1.6E-05	1.6E-05	6.9E-06	3.0E-07	0.
2.5	7.7E-05	3.5E-06	1.8E-05	1.5E-06	2.1E-08	6.1E-07	3.5E-06	7.5E-06	2.8E-05	1.1E-04	6.1E-05	2.8E-05	2.8E-05	7.7E-05	1.5E-06	3.5E-06
3.0	8.0E-05	8.0E-05	2.3E-05	3.9E-06	3.9E-06	1.9E-06	7.4E-06	1.3E-05	3.7E-05	1.8E-04	6.7E-05	3.7E-05	3.7E-05	8.0E-05	2.3E-05	1.1E-04
3.5	7.9E-05	7.9E-05	2.9E-05	6.9E-06	1.2E-05	1.2E-05	1.2E-05	2.9E-05	4.2E-05	1.7E-04	1.2E-04	4.2E-05	4.2E-05	7.9E-05	7.9E-05	1.5E-04
4.0	1.1E-04	1.1E-04	3.2E-05	1.5E-05	5.9E-05	1.3E-05	1.5E-05	3.2E-05	4.4E-05	1.4E-04	1.3E-04	5.9E-05	9.2E-05	1.3E-04	7.5E-05	1.4E-04
4.5	9.7E-05	9.7E-05	5.7E-05	2.4E-05	5.7E-05	1.8E-05	1.8E-05	3.5E-05	4.5E-05	1.2E-04	1.2E-04	7.0E-05	1.2E-04	1.2E-04	9.7E-05	1.2E-04
5.0	1.0E-04	8.6E-05	5.8E-05	2.6E-05	5.5E-05	2.1E-05	2.1E-05	3.6E-05	4.5E-05	1.0E-04	1.0E-04	8.6E-05	1.0E-04	1.0E-04	9.6E-05	1.0E-04
6.0	8.0E-05	8.0E-05	4.9E-05	2.9E-05	4.9E-05	4.2E-05	4.2E-05	3.5E-05	4.2E-05	8.0E-05	8.0E-05	7.8E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05
7.0	6.5E-05	6.5E-05	5.1E-05	3.4E-05	5.3E-05	4.4E-05	3.9E-05	3.4E-05	4.4E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05
8.0	5.4E-05	5.4E-05	5.4E-05	3.9E-05	4.6E-05	3.9E-05	3.5E-05	3.1E-05	3.9E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05
9.0	4.5E-05	4.5E-05	4.5E-05	3.5E-05	3.9E-05	3.5E-05	3.2E-05	2.9E-05	3.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05
10.0	3.9E-05	3.9E-05	3.9E-05	3.1E-05	3.4E-05	3.1E-05	2.8E-05	2.6E-05	3.1E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05
15.0	1.9E-05	1.9E-05	1.9E-05	1.8E-05	1.8E-05	1.7E-05	1.6E-05	1.5E-05	1.7E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05
20.0	9.4E-06	9.4E-06	9.4E-06	9.4E-06	9.0E-06	8.6E-06	8.3E-06	8.1E-06	8.6E-06	9.4E-06	9.4E-06	9.4E-06	9.4E-06	9.4E-06	9.4E-06	9.4E-06
25.0	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.3E-06	4.2E-06	4.1E-06	4.0E-06	4.2E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06
30.0	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06
40.0	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.8E-07	4.8E-07	4.7E-07	4.7E-07	4.8E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07
50.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
MAX CONC	1.1E-04	1.1E-04	5.7E-05	3.9E-05	5.9E-05	4.4E-05	4.2E-05	3.6E-05	4.5E-05	1.8E-04	1.3E-04	8.6E-05	1.2E-04	1.3E-04	9.7E-05	1.5E-04
DIST(MI)	4.0	4.0	4.5	8.0	4.0	7.0	6.0	5.0	4.5	3.0	4.0	5.0	4.5	4.0	4.5	3.5

TABLE NO. V-12

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 3. MPH

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.0E-15	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	4.9E-12	4.9E-12	0.	0.	2.1E-14	4.9E-12	4.9E-12	2.1E-14	0.	0.
.5	0.	0.	0.	0.	0.	0.	2.8E-11	2.8E-11	0.	0.	2.0E-13	2.8E-11	2.8E-11	*2.0E-13	0.	0.
.6	0.	0.	0.	0.	0.	0.	5.8E-11	5.8E-11	1.0E-15	0.	5.3E-13	5.8E-11	*5.8E-11	5.3E-13	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.2E-10	1.2E-10	1.3E-12	*0.	1.3E-12	1.2E-10	1.2E-10	1.3E-12	0.	0.
.8	0.	0.	0.	0.	0.	0.	2.2E-10	9.6E-09	3.1E-12	0.	*3.1E-12	2.2E-10	2.2E-10	3.1E-12	0.	0.
.7	0.	0.	0.	0.	0.	0.	*1.9E-09	6.9E-07	6.9E-07	1.9E-09	3.3E-10	*1.9E-09	1.9E-09	5.0E-11	4.0E-15	0.
.7	0.	0.	0.	0.	0.	0.	3.0E-09	8.6E-07	*7.6E-06	3.0E-09	3.0E-09	3.0E-09	3.0E-09	9.1E-11	1.0E-14	0.
.7	0.	0.	0.	0.	0.	0.	4.5E-09	*1.1E-06	8.6E-06	4.5E-09	4.5E-09	4.5E-09	4.5E-09	1.6E-10	1.6E-10	0.
1.0	0.	0.	0.	0.	0.	0.	6.9E-06	6.9E-06	2.5E-05	1.4E-06	2.2E-07	1.4E-06	1.4E-06	2.2E-07	1.4E-06	0.
1.5	0.	8.3E-09	1.7E-14	0.	0.	8.3E-09	2.2E-05	4.5E-05	1.3E-04	4.5E-05	3.2E-05	4.5E-05	8.1E-05	4.5E-05	8.9E-06	0.
2.0	9.8E-05	1.7E-05	3.0E-05	1.7E-06	2.2E-14	1.3E-06	3.0E-05	4.9E-05	9.8E-05	1.1E-04	4.9E-05	9.8E-05	9.8E-05	7.3E-05	1.7E-05	2.2E-14
2.5	8.6E-05	3.3E-05	6.2E-05	2.1E-05	1.6E-06	1.3E-05	3.3E-05	4.7E-05	7.7E-05	8.6E-05	8.6E-05	7.7E-05	7.7E-05	8.6E-05	2.1E-05	3.3E-05
3.0	6.8E-05	6.8E-05	5.3E-05	2.3E-05	2.3E-05	1.6E-05	3.2E-05	4.3E-05	6.2E-05	6.8E-05	6.8E-05	6.2E-05	6.2E-05	6.8E-05	5.3E-05	6.8E-05
3.5	5.6E-05	5.6E-05	4.5E-05	2.3E-05	3.0E-05	3.0E-05	3.0E-05	4.5E-05	5.2E-05	5.6E-05	5.6E-05	5.2E-05	5.2E-05	5.6E-05	5.6E-05	5.6E-05
4.0	4.7E-05	4.7E-05	3.9E-05	2.8E-05	4.7E-05	2.8E-05	2.8E-05	3.9E-05	4.4E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05
4.5	4.0E-05	4.0E-05	4.0E-05	3.0E-05	4.0E-05	2.6E-05	2.6E-05	3.4E-05	3.8E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05
5.0	3.4E-05	3.4E-05	3.4E-05	2.7E-05	3.4E-05	2.4E-05	2.4E-05	3.0E-05	3.3E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05
6.0	2.7E-05	2.7E-05	2.7E-05	2.2E-05	2.7E-05	2.6E-05	2.6E-05	2.4E-05	2.6E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05
7.0	2.2E-05	2.2E-05	2.2E-05	2.0E-05	2.2E-05	2.2E-05	2.1E-05	2.0E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05
8.0	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.7E-05	1.7E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
9.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
10.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.2E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
15.0	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.3E-06	6.2E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06
20.0	3.5E-06	3.5E-06	3.5E-06	3.3E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06
25.0	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.0E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06
30.0	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
40.0	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
50.0	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
MAX CONC	9.8E-05	6.8E-05	6.2E-05	3.0E-05	4.7E-05	3.0E-05	3.3E-05	4.9E-05	1.3E-04	1.1E-04	8.6E-05	9.8E-05	9.8E-05	8.6E-05	5.6E-05	6.8E-05
DIST(MI)	2.0	3.0	2.5	4.5	4.0	3.5	2.5	2.0	1.5	2.0	2.5	2.0	2.0	2.5	3.5	3.0

TABLE NO. V-13

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	6.8E-13	6.8E-13	0.	0.	6.8E-13	2.8E-10	6.8E-13	6.8E-13	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	1.6E-08	1.6E-08	3.0E-15	3.0E-15	2.8E-10	1.6E-08	1.6E-08	2.8E-10	0.	0.
.5	0.	0.	0.	0.	0.	0.	3.9E-08	3.9E-08	5.3E-12	3.3E-14	9.2E-10	3.9E-08	3.9E-08	*9.2E-10	0.	0.
.6	0.	0.	0.	0.	0.	0.	5.7E-08	5.7E-08	1.2E-11	9.3E-14	1.6E-09	5.7E-08	*5.7E-08	1.6E-09	0.	0.
.6	0.	0.	0.	0.	0.	0.	8.2E-08	8.2E-08	2.7E-09	*2.5E-13	2.7E-09	8.2E-08	8.2E-08	2.7E-09	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.1E-07	1.7E-06	4.4E-09	6.0E-13	*4.4E-09	1.1E-07	1.1E-07	4.4E-09	0.	0.
.7	0.	0.	0.	0.	0.	0.	*3.4E-07	2.1E-05	2.1E-05	3.4E-07	9.2E-08	*3.4E-07	3.4E-07	2.2E-08	1.2E-11	0.
.7	0.	0.	0.	0.	0.	0.	4.3E-07	2.3E-05	*8.7E-05	4.3E-07	4.3E-07	4.3E-07	4.3E-07	3.1E-08	2.2E-11	0.
.7	0.	0.	0.	0.	0.	0.	5.3E-07	*2.4E-05	8.8E-05	5.3E-07	5.3E-07	5.3E-07	5.3E-07	4.2E-08	4.2E-08	0.
1.0	0.	0.	0.	0.	0.	0.	4.1E-05	4.1E-05	9.1E-05	1.4E-05	3.7E-06	1.4E-05	1.4E-05	3.7E-06	1.4E-05	0.
1.5	0.	1.1E-07	1.2E-12	0.	0.	1.1E-07	4.7E-05	7.4E-05	9.6E-05	7.4E-05	8.0E-05	7.4E-05	9.6E-05	7.4E-05	2.6E-05	0.
2.0	6.9E-05	2.9E-05	4.3E-05	2.9E-05	6.5E-13	4.2E-06	4.3E-05	5.7E-05	6.9E-05	6.9E-05	5.7E-05	6.9E-05	6.9E-05	6.9E-05	2.9E-05	6.5E-13
2.5	5.2E-05	3.7E-05	5.2E-05	2.7E-05	3.7E-06	1.9E-05	3.7E-05	4.6E-05	5.2E-05	5.2E-05	5.2E-05	5.2E-05	5.2E-05	5.2E-05	2.7E-05	3.7E-05
3.0	4.1E-05	4.1E-05	4.1E-05	2.5E-05	2.5E-05	1.9E-05	3.1E-05	3.7E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05
3.5	3.3E-05	3.3E-05	3.3E-05	2.2E-05	2.7E-05	2.7E-05	2.7E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05
4.0	2.8E-05	2.8E-05	2.8E-05	2.3E-05	2.8E-05	2.3E-05	2.3E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05
4.5	2.4E-05	2.4E-05	2.4E-05	2.2E-05	2.4E-05	2.1E-05	2.1E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05
5.0	2.1E-05	2.1E-05	2.1E-05	1.9E-05	2.1E-05	1.8E-05	1.8E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05
6.0	1.6E-05	1.6E-05	1.6E-05	1.5E-05	1.5E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05
7.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
8.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
9.0	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06
10.0	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06
15.0	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06
20.0	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06
25.0	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
30.0	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07
40.0	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07
50.0	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
MAX CONC	6.9E-05	4.1E-05	5.2E-05	2.9E-05	2.8E-05	2.7E-05	4.7E-05	7.4E-05	9.6E-05	7.4E-05	8.0E-05	7.4E-05	9.6E-05	7.4E-05	4.1E-05	4.1E-05
DIST(MI)	2.0	3.0	2.5	2.0	4.0	3.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0

TABLE NO. V-14

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 7. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	4.7E-13	0.	4.7E-13	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	2.8E-10	2.8E-10	0.	0.	2.8E-10	3.6E-08	2.8E-10	2.8E-10	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	4.6E-07	4.6E-07	9.3E-13	9.3E-13	1.5E-08	4.6E-07	4.6E-07	1.5E-08	0.	0.
.5	0.	0.	0.	0.	0.	0.	7.9E-07	7.9E-07	4.7E-10	5.7E-12	3.7E-08	7.9E-07	7.9E-07	*3.7E-08	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.0E-06	1.0E-06	8.4E-10	1.2E-11	5.4E-08	1.0E-06	*1.0E-06	5.4E-08	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.2E-06	1.2E-06	7.7E-08	*3.6E-11	7.7E-08	1.2E-06	1.2E-06	7.7E-08	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.5E-06	1.3E-05	1.1E-07	5.1E-11	*1.1E-07	1.5E-06	1.5E-06	1.1E-07	0.	0.
.7	0.	0.	0.	0.	0.	0.	*2.9E-06	6.7E-05	6.7E-06	2.9E-06	9.9E-07	*2.9E-06	2.9E-06	3.0E-07	4.8E-10	0.
.7	0.	0.	0.	0.	0.	0.	3.3E-06	6.8E-05	*1.3E-04	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.8E-07	7.6E-10	0.
.7	0.	0.	0.	0.	0.	0.	3.7E-06	*6.9E-05	1.3E-04	3.7E-06	3.7E-06	3.7E-06	3.7E-06	4.6E-07	4.6E-07	0.
1.0	0.	0.	0.	0.	0.	0.	6.9E-05	6.9E-05	1.0E-04	3.1E-05	1.1E-05	3.1E-05	3.1E-05	1.1E-05	3.1E-05	0.
1.5	1.2E-15	3.4E-07	1.0E-11	1.2E-15	1.2E-15	3.4E-07	5.4E-05	6.9E-05	6.9E-05	6.9E-05	6.4E-05	6.9E-05	6.9E-05	6.9E-05	3.5E-05	1.2E-15
2.0	4.9E-05	3.1E-05	4.2E-05	3.1E-05	3.5E-12	6.5E-06	4.2E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	3.1E-05	3.5E-12
2.5	3.7E-05	3.3E-05	3.7E-05	2.7E-05	5.1E-06	2.0E-05	3.3E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	2.7E-05	3.3E-05
3.0	2.9E-05	2.9E-05	2.9E-05	2.3E-05	2.3E-05	1.8E-05	2.7E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.0E-05	2.9E-05
3.5	2.4E-05	2.4E-05	2.4E-05	2.0E-05	2.2E-05	2.2E-05	2.2E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05
4.0	2.0E-05	2.0E-05	2.0E-05	1.9E-05	2.0E-05	1.9E-05	1.9E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05
4.5	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.6E-05	1.6E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05
5.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
6.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
7.0	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06
8.0	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06
9.0	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06
10.0	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06
15.0	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06
20.0	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
25.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
30.0	7.7E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07	7.7E-07
40.0	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
50.0	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07
MAX CONC	4.9E-05	3.3E-05	4.2E-05	3.1E-05	2.3E-05	2.2E-05	6.9E-05	6.9E-05	1.3E-04	6.9E-05	6.4E-05	6.9E-05	6.9E-05	6.9E-05	3.5E-05	3.3E-05
DIST(MI)	2.0	2.5	2.0	2.0	3.0	3.5	1.0	1.5	.7	1.5	1.5	1.5	1.5	1.5	1.5	2.5

TABLE NO. V-15

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 8. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	3.5E-05	*3.5E-05	*3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05
.2	*3.7E-05	3.7E-05	3.7E-05	*3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	*3.7E-05
.3	4.0E-05	4.0E-05	4.0E-05	4.0E-05	*4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05
.4	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	4.1E-05	4.1E-05	3.7E-05	3.7E-05	4.1E-05	8.5E-05	4.1E-05	4.1E-05	*3.7E-05	3.7E-05
.5	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	*3.0E-05	8.8E-05	8.8E-05	3.1E-05	3.1E-05	4.2E-05	8.8E-05	8.8E-05	4.2E-05	3.0E-05	3.0E-05
.5	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	8.8E-05	8.8E-05	3.0E-05	2.9E-05	4.2E-05	8.8E-05	8.8E-05	*4.2E-05	2.8E-05	2.8E-05
.6	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	8.7E-05	8.7E-05	2.8E-05	2.8E-05	4.2E-05	8.7E-05	*8.7E-05	4.2E-05	2.8E-05	2.8E-05
.6	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	8.6E-05	8.6E-05	4.2E-05	*2.7E-05	4.2E-05	8.6E-05	8.6E-05	4.2E-05	2.7E-05	2.7E-05
.6	2.6E-05	2.6E-05	2.6E-05	2.6E-05	2.6E-05	2.6E-05	8.5E-05	1.0E-04	4.2E-05	2.6E-05	*4.2E-05	8.5E-05	8.5E-05	4.2E-05	2.6E-05	2.6E-05
.7	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	*8.1E-05	9.4E-05	9.4E-05	8.1E-05	5.8E-05	*8.1E-05	8.1E-05	4.2E-05	2.3E-05	2.2E-05
.7	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	8.0E-05	9.3E-05	*9.3E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	4.2E-05	2.2E-05	2.2E-05
.7	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	7.9E-05	*9.1E-05	9.1E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	4.2E-05	4.2E-05	2.1E-05
1.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	6.8E-05	6.8E-05	6.8E-05	6.8E-05	6.2E-05	6.8E-05	6.8E-05	6.2E-05	6.8E-05	1.3E-05
1.5	7.1E-06	9.9E-06	7.1E-06	7.1E-06	7.1E-06	9.9E-06	4.3E-05	4.3E-05	4.3E-05	4.3E-05	4.3E-05	4.3E-05	4.3E-05	4.3E-05	4.3E-05	7.1E-06
2.0	3.0E-05	3.0E-05	3.0E-05	3.0E-05	4.3E-06	1.7E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	4.3E-06
2.5	2.2E-05	2.2E-05	2.2E-05	2.2E-05	1.1E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05
3.0	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05
3.5	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05
4.0	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05
4.5	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06
5.0	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06
6.0	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06
7.0	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06
8.0	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06
9.0	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06
10.0	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06
15.0	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06
20.0	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07	9.0E-07
25.0	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07
30.0	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07
40.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
50.0	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07
MAX CONC	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	8.8E-05	1.0E-04	9.4E-05	8.1E-05	8.0E-05	8.8E-05	8.8E-05	6.2E-05	6.8E-05	4.0E-05
DIST(MI)	.3	.3	.3	.3	.3	.3	.5	.6	.7	.7	.7	.5	.5	1.0	1.0	.3

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-16

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE NORMAL FLOW
STABILITY STABLE
SPEED 10. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	3.3E-05	*3.3E-05	*3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.9E-05	3.3E-05	3.9E-05	3.3E-05	3.3E-05	3.3E-05
.2	*3.5E-05	3.5E-05	3.5E-05	*3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	3.5E-05	4.4E-05	3.5E-05	4.4E-05	3.5E-05	3.5E-05	*3.5E-05
.3	3.8E-05	3.8E-05	3.8E-05	3.8E-05	*3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	5.6E-05	3.8E-05	5.6E-05	3.8E-05	3.8E-05	3.8E-05
.4	3.6E-05	3.6E-05	3.6E-05	3.6E-05	3.6E-05	3.6E-05	6.7E-05	6.7E-05	3.6E-05	3.6E-05	6.7E-05	9.5E-05	6.7E-05	6.7E-05	*3.6E-05	3.6E-05
.5	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	*3.0E-05	9.3E-05	9.3E-05	3.0E-05	3.0E-05	7.0E-05	9.3E-05	9.3E-05	7.0E-05	3.0E-05	3.0E-05
.5	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	9.0E-05	9.0E-05	3.4E-05	2.9E-05	6.9E-05	9.0E-05	9.0E-05	*6.9E-05	2.8E-05	2.8E-05
.6	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	8.9E-05	8.9E-05	3.4E-05	2.8E-05	6.9E-05	8.9E-05	*8.9E-05	6.9E-05	2.7E-05	2.7E-05
.6	2.6E-05	2.6E-05	2.6E-05	2.6E-05	2.6E-05	2.6E-05	8.8E-05	8.8E-05	6.9E-05	*2.7E-05	6.9E-05	8.8E-05	8.8E-05	6.9E-05	2.6E-05	2.6E-05
.6	2.6E-05	2.6E-05	2.6E-05	2.6E-05	2.6E-05	2.6E-05	8.6E-05	8.6E-05	6.8E-05	2.7E-05	*6.8E-05	8.6E-05	8.6E-05	6.8E-05	2.6E-05	2.6E-05
.7	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	*8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	*8.0E-05	8.0E-05	6.5E-05	2.4E-05	2.3E-05
.7	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	7.9E-05	7.9E-05	*7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	6.4E-05	2.4E-05	2.2E-05
.7	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	7.7E-05	*7.7E-05	7.7E-05	7.7E-05	7.7E-05	7.7E-05	7.7E-05	6.3E-05	6.3E-05	2.1E-05
1.0	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	5.7E-05	5.7E-05	5.7E-05	5.7E-05	5.7E-05	5.7E-05	5.7E-05	5.7E-05	5.7E-05	1.4E-05
1.5	7.5E-06	1.2E-05	7.5E-06	7.5E-06	7.5E-06	1.2E-05	3.6E-05	3.6E-05	3.6E-05	3.6E-05	3.6E-05	3.6E-05	3.6E-05	3.6E-05	3.6E-05	7.5E-06
2.0	2.5E-05	2.5E-05	2.5E-05	2.5E-05	4.7E-06	1.9E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	2.5E-05	4.7E-06
2.5	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.2E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05
3.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
3.5	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05
4.0	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06
4.5	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06
5.0	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06
6.0	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06
7.0	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06
8.0	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06
9.0	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06
10.0	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06
15.0	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
20.0	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07
25.0	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07
30.0	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
40.0	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
50.0	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.2E-07	1.3E-07	1.3E-07
MAX CONC	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	9.3E-05	9.3E-05	8.0E-05	8.0E-05	8.0E-05	9.5E-05	9.3E-05	7.0E-05	6.3E-05	3.8E-05
DIST(MI)	.3	.3	.3	.3	.3	.3	.5	.5	.7	.7	.7	.4	.5	.5	.7	.3

TABLE NO. V-17

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	3.1E-06	*3.1E-06	*3.1E-06	3.1E-06	3.1E-06	3.1E-06	1.3E-05	2.2E-05	3.6E-05	4.4E-05	8.1E-05	6.8E-05	8.1E-05	6.6E-05	3.1E-06	3.1E-06
.2	*4.7E-06	4.7E-06	4.7E-06	*4.7E-06	4.7E-06	4.7E-06	1.6E-05	2.8E-05	4.0E-05	5.8E-05	6.2E-05	6.8E-05	8.2E-05	6.8E-05	4.7E-06	*4.7E-06
.3	1.0E-05	1.0E-05	1.0E-05	1.0E-05	*1.0E-05	1.0E-05	5.9E-05	5.9E-05	4.6E-05	5.9E-05	7.6E-05	6.7E-05	7.6E-05	6.7E-05	1.0E-05	1.0E-05
.4	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	6.0E-05	6.0E-05	4.8E-05	5.2E-05	6.0E-05	6.4E-05	6.0E-05	6.0E-05	*1.7E-05	1.7E-05
.5	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	*2.0E-05	4.7E-05	4.7E-05	4.1E-05	4.1E-05	4.5E-05	4.7E-05	4.7E-05	4.5E-05	2.0E-05	2.0E-05
.5	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	4.2E-05	4.2E-05	3.9E-05	3.7E-05	4.1E-05	4.2E-05	4.2E-05	*4.1E-05	2.0E-05	2.0E-05
.6	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	4.0E-05	4.0E-05	3.7E-05	3.6E-05	3.9E-05	4.0E-05	*4.0E-05	3.9E-05	2.0E-05	2.0E-05
.6	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	3.8E-05	3.8E-05	3.7E-05	*3.4E-05	3.7E-05	3.8E-05	3.8E-05	3.7E-05	2.0E-05	2.0E-05
.6	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	3.7E-05	3.8E-05	3.6E-05	3.3E-05	*3.6E-05	3.7E-05	3.7E-05	3.6E-05	1.9E-05	1.9E-05
.7	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	*3.1E-05	3.2E-05	3.2E-05	3.1E-05	3.0E-05	*3.1E-05	3.1E-05	3.0E-05	2.8E-05	1.8E-05
.7	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.9E-05	3.1E-05	*3.1E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.7E-05	1.8E-05
.7	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	2.8E-05	*2.9E-05	3.0E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.7E-05	2.7E-05	1.7E-05
1.0	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.6E-05	1.7E-05	1.7E-05	1.6E-05	1.7E-05	1.2E-05
1.5	7.0E-06	7.8E-06	7.3E-06	7.0E-06	7.0E-06	7.8E-06	8.1E-06	8.1E-06	8.2E-06	8.1E-06	8.1E-06	8.1E-06	8.2E-06	8.1E-06	8.1E-06	7.0E-06
2.0	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.4E-06	4.7E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.4E-06
2.5	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.1E-06	3.1E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-03	3.2E-06
3.0	2.3E-06	2.3E-06	2.3E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06
3.5	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
4.0	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
4.5	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
5.0	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07
6.0	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07
7.0	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07	4.5E-07
8.0	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
9.0	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07
10.0	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07
15.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
20.0	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08	5.9E-08
25.0	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08	3.8E-08
30.0	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08
40.0	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08
50.0	9.7E-08	9.7E-09	9.7E-09	9.7E-09	9.7E-09	9.7E-09	9.7E-09	9.7E-09	9.7E-09	9.7E-09	9.7E-09	9.7E-09	9.7E-09	9.7E-09	9.7E-09	9.7E-09
MAX CONC	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	6.0E-05	6.0E-05	4.8E-05	5.9E-05	8.2E-05	6.8E-05	8.2E-05	6.8E-05	2.8E-05	2.0E-05
DIST(MI)	.5	.5	.5	.5	.5	.5	.4	.4	.4	.3	.2	.2	.2	.2	.7	.5

TABLE NO. V-18

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	5.0E-06	*5.0E-06	*5.0E-06	5.0E-06	5.0E-06	5.0E-06	1.5E-05	2.3E-05	3.2E-05	3.7E-05	5.4E-05	4.8E-05	5.4E-05	4.8E-05	5.0E-06	5.0E-06
.2	*6.2E-06	6.2E-06	6.2E-06	*6.2E-06	6.2E-06	6.2E-06	1.6E-05	2.3E-05	3.1E-05	4.0E-05	5.0E-05	4.8E-03	5.0E-05	4.8E-05	6.2E-06	*6.2E-06
.3	8.9E-06	8.9E-06	8.9E-06	8.9E-06	*8.9E-06	8.9E-06	3.3E-05	3.3E-05	2.8E-05	3.3E-05	3.8E-05	3.6E-05	3.8E-05	3.6E-05	8.9E-06	8.9E-06
.4	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	2.6E-05	2.6E-05	2.3E-05	2.4E-05	2.6E-05	2.7E-05	2.6E-05	2.6E-05	*1.0E-05	1.0E-05
.5	9.8E-06	9.8E-06	9.8E-06	9.8E-06	9.8E-06	*9.8E-06	1.8E-05	1.8E-05	1.7E-05	1.7E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	9.8E-06	9.8E-06
.5	9.4E-06	9.4E-06	9.4E-06	9.4E-06	9.4E-06	9.4E-06	1.6E-05	1.6E-05	1.5E-05	1.5E-05	1.6E-05	1.6E-05	1.6E-05	*1.6E-05	9.4E-06	9.4E-06
.6	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.5E-05	*1.5E-05	1.5E-05	9.2E-06	9.2E-06
.6	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	1.5E-05	1.5E-05	1.4E-05	*1.4E-05	1.4E-05	1.5E-05	1.5E-05	1.4E-05	9.0E-06	9.0E-06
.6	8.7E-06	8.7E-06	8.7E-06	8.7E-06	8.7E-06	8.7E-06	1.4E-05	1.4E-05	1.4E-05	1.3E-05	*1.4E-05	1.4E-05	1.4E-05	1.4E-05	8.7E-06	8.7E-06
.7	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	7.8E-06	*1.1E-05	1.2E-05	1.2E-05	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	7.8E-06
.7	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.0E-05	7.6E-06
.7	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	1.0E-05	*1.1E-05	1.1E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	7.4E-06
1.0	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	5.9E-06	6.0E-06	6.0E-06	5.9E-06	6.0E-06	4.9E-06
1.5	2.7E-06	2.9E-06	2.8E-06	2.7E-06	2.7E-06	2.9E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	2.9E-06	2.7E-06
2.0	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.7E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.7E-06
2.5	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
3.0	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07
3.5	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07
4.0	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07
4.5	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07
5.0	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
6.0	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07
7.0	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
8.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
9.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
10.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
15.0	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08
20.0	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08
25.0	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08
30.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
40.0	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09	8.4E-09
50.0	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09
MAX CONC	1.0E-05	1.0E-05	1.0E-03	1.0E-05	1.0E-05	1.0E-05	3.3E-05	3.3E-05	3.2E-05	4,0E-05	5.4E-05	4.8E-05	5.4E-05	4.8E-05	1.1E-05	1.0E-05
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.7	.4

TABLE NO. V-19

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 5. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	4.7E-06	*4.7E-06	*4.7E-06	4.7E-06	4.7E-06	4.7E-06	1.3E-05	1.8E-05	2.5E-05	2.8E-05	3.8E-05	3.5E-05	3.8E-05	3.5E-05	4.7E-06	4.7E-06
.2	*5.8E-06	5.8E-06	5.8E-06	*5.8E-06	5.8E-06	5.6E-06	1.3E-05	1.8E-05	2.3E-05	2.9E-05	3.4E-05	3.2E-05	3.4E-05	3.2E-05	5.8E-06	*5.8E-06
.3	7.1E-06	7.1E-06	7.1E-06	7.1E-06	*7.1E-06	7.1E-06	2.3E-05	2.3E-05	1.9E-05	2.3E-05	2.8E-05	2.4E-05	2.8E-05	2.4E-05	7.1E-06	7.1E-06
.4	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	1.7E-05	1.7E-05	1.5E-05	1.6E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	*7.5E-06	7.5E-06
.5	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	*6.6E-06	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	6.6E-06	6.5E-06
.5	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	1.0E-05	1.0E-05	9.7E-06	9.8E-06	9.9E-06	1.0E-05	1.0E-05	*9.9E-06	6.3E-06	6.3E-06
.6	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	6.1E-06	9.5E-06	9.5E-06	9.2E-06	9.0E-06	9.4E-06	9.8E-06	*9.5E-06	9.4E-06	6.1E-06	6.1E-06
.6	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	9.0E-06	9.0E-06	8.9E-06	*8.6E-06	8.9E-06	9.0E-06	9.0E-06	8.9E-06	5.9E-06	5.9E-06
.6	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	5.7E-06	8.6E-06	8.6E-06	8.4E-06	8.1E-06	*8.4E-06	8.6E-06	8.6E-06	8.4E-06	5.7E-06	5.7E-06
.7	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	*7.0E-06	7.1E-06	7.1E-06	7.0E-06	7.0E-06	*7.0E-06	7.0E-06	6.9E-06	6.7E-06	5.0E-06
.7	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	6.7E-06	6.8E-06	*6.8E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.6E-06	6.4E-06	4.9E-06
.7	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	6.4E-06	*6.5E-06	6.5E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.3E-06	6.3E-06	4.7E-06
1.0	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.6E-06	3.7E-06	3.7E-06	3.6E-06	3.7E-06	3.1E-06
1.5	1.7E-06	1.8E-06	1.7E-06	1.7E-06	1.7E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.7E-06
2.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.0E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.0E-06
2.5	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07
3.0	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
3.5	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
4.0	3.3E-07	3.3E-07	3.3E-07	3.2E-07	3.3E-07	3.2E-07	3.2E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07
4.5	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
5.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
6.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
7.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
8.0	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08
9.0	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08
10.0	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08
15.0	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08
20.0	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
25.0	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
30.0	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09	9.3E-09
40.0	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09
50.0	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09
MAX CONC	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	2.3E-05	2.3E-05	2.5E-05	2.9E-05	3.8E-05	3.5E-05	3.8E-05	3.5E-05	7.5E-06	7.5E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.4	.4

TABLE NO. V-20

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE LOW FLOW
STABILITY UNSTABLE
SPEED 7. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	4.3E-06	*4.3E-06	*4.3E-06	4.3E-06	4.3E-06	4.3E-06	1.1E-05	1.5E-05	2.0E-05	2.2E-05	2.9E-05	2.7E-05	2.9E-05	2.7E-05	4.3E-06	4.3E-06
.2	*4.9E-06	4.9E-06	4.9E-06	*4.9E-06	4.9E-06	4.9E-06	1.1E-05	1.5E-05	1.9E-05	2.3E-05	2.6E-05	2.4E-05	2.6E-05	2.4E-05	4.9E-06	*4.9E-06
.3	5.9E-06	5.9E-06	5.9E-06	5.9E-06	*5.9E-06	5.9E-06	1.7E-05	1.7E-05	1.5E-05	1.7E-05	1.9E-05	1.8E-05	1.9E-05	1.8E-05	5.9E-06	5.9E-06
.4	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	1.2E-05	1.2E-05	1.1E-05	1.2E-05	1.2E-05	1.3E-05	1.2E-05	1.2E-05	*5.9E-06	5.9E-06
.5	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	*5.0E-06	8.2E-06	8.2E-06	7.8E-06	7.8E-06	8.1E-06	8.2E-06	8.2E-06	8.1E-06	5.0E-06	5.0E-06
.5	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	7.3E-06	7.3E-06	7.1E-06	7.0E-06	7.2E-06	7.3E-06	7.3E-06	*7.2E-06	4.7E-06	4.7E-06
.6	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	6.9E-06	6.9E-06	6.7E-06	6.6E-06	6.8E-06	6.9E-06	*6.9E-06	6.8E-06	4.6E-06	4.6E-06
.6	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	6.5E-06	6.5E-06	6.5E-06	*6.2E-06	6.5E-06	6.5E-06	6.5E-06	6.5E-06	4.4E-06	4.4E-06
.6	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	6.2E-06	6.2E-06	6.1E-06	5.9E-06	*6.1E-06	6.2E-06	6.2E-06	6.1E-06	4.3E-06	4.3E-06
.7	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	*5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.0E-06	*5.1E-06	5.1E-06	5.0E-06	4.9E-06	3.7E-06
.7	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	4.8E-06	4.9E-06	*4.9E-06	4.8E-06	4.8E-06	4.8E-06	4.9E-06	4.8E-06	4.7E-06	3.6E-06
.7	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	4.6E-06	*4.7E-06	4.7E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	3.5E-06
1.0	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.2E-06
1.5	1.2E-06	1.3E-06	1.2E-06	1.2E-06	1.2E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.2E-06
2.0	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.8E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.5E-07
2.5	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.3E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
3.0	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07
3.5	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07
4.0	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07
4.5	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
5.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
6.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
7.0	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08
8.0	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08
9.0	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08
10.0	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08
15.0	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08	2.3E-08
20.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
25.0	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09
30.0	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09
40.0	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09
50.0	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09
MAX CONC	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	1.7E-05	1.7E-05	2.0E-05	2.3E-05	2.9E-05	2.7E-05	2.9E-05	2.7E-05	5.9E-06	5.9E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.4	.4

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-21

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE LOW FLOW
STABILITY STABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2*	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	8.0E-13	8.0E-13	0.	0.	*0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	0.	1.8E-12	*1.0E-10	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	0.	*3.6E-12	1.8E-10	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	3.9E-09	3.9E-09	4.5E-08	2.6E-10	1.3E-11	2.6E-10	2.6E-10	1.3E-11	2.6E-10	0.
1.5	0.	3.9E-12	0.	0.	0.	3.9E-12	5.2E-07	2.1E-06	2.1E-05	2.1E-06	1.1E-06	2.1E-06	7.0E-06	2.1E-06	1.1E-07	0.
2.0	4.2E-05	1.3E-04	3.7E-06	1.3E-06	0.	2.8E-08	3.7E-06	9.1E-06	4.2E-05	1.3E-04	9.1E-06	4.2E-05	4.2E-05	2.1E-05	1.3E-06	0.
2.5	1.3E-04	8.5E-06	3.3E-05	4.8E-06	9.8E-08	2.0E-06	8.5E-06	1.8E-05	5.6E-05	1.7E-04	1.1E-04	5.6E-05	5.6E-05	1.3E-04	4.8E-06	9.5E-06
3.0	1.2E-04	1.2E-04	4.2E-05	9.0E-06	9.0E-06	4.8E-06	1.6E-05	2.7E-05	6.3E-05	2.0E-04	1.0E-04	6.3E-05	6.3E-05	1.2E-04	4.2E-05	1.5E-04
3.5	1.1E-04	1.1E-04	4.7E-05	1.4E-05	2.1E-05	2.1E-05	2.1E-05	4.7E-05	6.5E-05	1.7E-04	1.5E-04	6.5E-05	6.5E-05	1.1E-04	1.1E-04	1.7E-04
4.0	1.3E-04	1.3E-04	4.8E-05	2.6E-05	8.0E-05	2.6E-05	2.6E-05	4.9E-05	6.4E-05	1.4E-04	1.4E-04	8.0E-05	1.1E-04	1.4E-04	9.8E-05	1.4E-04
4.5	1.1E-04	1.1E-04	7.5E-05	3.6E-05	7.5E-05	2.8E-05	2.8E-05	4.9E-05	6.1E-05	1.2E-04	1.2E-04	8.8E-05	1.2E-04	1.2E-04	1.1E-04	1.2E-04
5.0	1.0E-04	9.7E-05	6.9E-05	3.7E-05	6.9E-05	3.0E-05	3.0E-05	4.8E-05	5.8E-05	1.0E-04	1.0E-04	9.7E-05	1.0E-04	1.0E-04	1.0E-04	1.0E-04
6.0	8.0E-05	8.0E-05	5.9E-05	3.7E-05	5.9E-05	5.2E-05	5.2E-05	4.5E-05	5.2E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05
7.0	6.5E-05	6.5E-05	5.7E-05	4.0E-05	5.9E-05	5.1E-05	4.6E-05	4.0E-05	5.1E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05
8.0	5.4E-05	5.4E-05	5.4E-05	4.4E-05	4.9E-05	4.4E-05	4.0E-05	3.6E-05	4.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05
9.0	4.5E-05	4.5E-05	4.5E-05	3.8E-05	4.2E-05	3.8E-05	3.5E-05	3.2E-05	3.8E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05
10.0	3.8E-05	3.8E-05	3.8E-05	3.3E-05	3.6E-05	3.3E-05	3.1E-05	2.9E-05	3.3E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05
15.0	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.7E-05	1.6E-05	1.5E-05	1.7E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
20.0	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.3E-06	8.0E-06	7.8E-06	7.6E-06	8.0E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06
25.0	3.9E-06	3.9E-06	3.8E-06	3.9E-06	3.8E-06	3.7E-06	3.6E-06	3.6E-06	3.7E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06	3.9E-06
30.0	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06
40.0	3.8E-07	3.6E-07	3.8E-07	3.8E-07	3.8E-07	3.7E-07	3.7E-07	3.6E-07	3.7E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.8E-07
50.0	9.1E-08	9.1E-08	9.1E-08	9.1E-08	9.0E-08	8.9E-08	8.8E-08	8.8E-08	8.9E-08	9.1E-08	9.1E-08	9.1E-08	9.1E-08	9.1E-08	9.1E-08	9.1E-08
MAX																
CONC	1.3E-04	1.3E-04	7.5E-05	4.4E-05	8.0E-05	5.2E-05	5.2E-05	4.9E-05	6.8E-05	2.0E-04	1.5E-04	9.7E-05	1.2E-04	1.4E-04	1.1E-04	1.7E-04
DIST(MI)	2.5	4.0	4.5	8.0	4.0	6.0	6.0	4.5	3.5	3.0	3.5	5.0	4.5	4.0	4.5	3.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-22

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE LOW FLOW
STABILITY STABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	8.8E-13	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	3.8E-10	3.8E-10	0.	0.	2.7E-12	3.5E-10	3.5E-10	2.7E-12	0.	0.
.5	0.	0.	0.	0.	0.	0.	1.3E-09	1.3E-09	4.4E-14	0.	1.6E-11	1.3E-09	1.3E-09	*1.6E-11	0.	0.
.6	0.	0.	0.	0.	0.	0.	2.3E-09	2.3E-09	1.3E-13	0.	3.8E-11	2.3E-09	*2.3E-09	3.8E-11	0.	0.
.6	0.	0.	0.	0.	0.	0.	3.9E-09	3.8E-09	7.3E-11	*1.9E-15	7.3E-11	3.9E-09	3.9E-09	7.3E-11	0.	0.
.6	0.	0.	0.	0.	0.	0.	6.4E-09	1.7E-07	1.4E-10	5.6E-15	*1.4E-10	6.4E-09	6.4E-09	1.4E-10	0.	0.
.7	0.	0.	0.	0.	0.	0.	*3.2E-08	5.2E-06	5.2E-06	3.2E-08	6.8E-09	*3.2E-08	3.2E-08	1.3E-09	2.4E-13	0.
.7	0.	0.	0.	0.	0.	0.	4.6E-08	6.0E-06	*3.6E-08	4.6E-08	4.6E-08	4.6E-08	4.6E-08	2.0E-09	5.4E-13	0.
.7	0.	0.	0.	0.	0.	0.	6.2E-08	*6.9E-06	3.8E-08	6.2E-08	6.2E-08	6.2E-08	6.2E-08	3.1E-09	3.1E-09	0.
1.0	0.	0.	0.	0.	0.	0.	2.2E-05	2.2E-05	6.5E-05	9.8E-06	1.2E-06	9.8E-06	9.8E-06	1.2E-06	9.8E-06	0.
1.5	0.	3.6E-08	1.6E-13	0.	0.	3.6E-08	4.2E-05	7.7E-05	1.6E-04	7.7E-05	9.8E-05	7.7E-05	1.2E-04	7.7E-05	2.0E-05	0.
2.0	1.1E-04	2.8E-05	4.7E-05	2.8E-05	1.4E-13	3.0E-06	4.7E-05	7.0E-05	1.1E-04	1.1E-04	7.0E-05	1.1E-04	1.1E-04	9.8E-05	2.8E-05	1.4E-13
2.5	8.6E-05	4.5E-05	7.8E-05	3.1E-05	3.1E-06	2.0E-05	4.5E-05	6.0E-05	8.6E-05	8.6E-05	8.6E-05	8.6E-05	8.6E-05	8.6E-05	3.1E-05	4.5E-05
3.0	6.8E-05	6.8E-05	6.1E-05	3.1E-05	3.1E-05	2.2E-05	4.1E-05	5.2E-05	6.8E-05	6.8E-05	6.8E-05	6.8E-05	6.8E-05	6.8E-05	6.1E-05	6.8E-05
3.5	5.6E-05	5.6E-05	5.1E-05	3.0E-05	3.7E-05	3.7E-05	3.7E-05	5.1E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05
4.0	4.7E-05	4.7E-05	4.3E-05	3.3E-05	4.7E-05	3.3E-05	3.3E-05	4.3E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05
4.5	4.0E-05	4.0E-05	4.0E-05	3.3E-05	4.0E-05	3.0E-05	3.0E-05	3.7E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05
5.0	3.4E-05	3.4E-05	3.4E-05	3.0E-05	3.4E-05	2.7E-05	2.7E-05	3.3E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	2.4E-05	3.4E-05
6.0	2.7E-05	2.7E-05	2.7E-05	2.4E-05	2.7E-05	2.7E-05	2.7E-05	2.6E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05
7.0	2.2E-05	2.2E-05	2.2E-05	2.1E-05	2.2E-05	2.2E-05	2.2E-05	2.1E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05
8.0	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.7E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
9.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
10.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.2E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
15.0	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.1E-05	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06
20.0	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.3E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06
25.0	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06
30.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
40.0	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07
50.0	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07
MAX CONC	1.1E-04	6.8E-05	7.8E-05	3.3E-05	4.7E-05	3.7E-05	4.7E-05	7.7E-05	1.6E-04	1.1E-04	8.6E-05	1.1E-04	1.2E-04	9.8E-05	6.1E-05	6.8E-05
DIST(MI)	2.0	3.0	2.5	4.5	4.0	3.5	2.0	1.5	1.5	2.0	2.5	2.0	1.5	2.0	3.0	3.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-23

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE LOW FLOW
STABILITY STABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	3.8E-14	0.	3.8E-14	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	5.8E-11	5.8E-11	0.	0.	5.8E-11	1.0E-08	5.8E-11	5.8E-11	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	2.1E-07	2.1E-07	2.0E-13	2.0E-13	5.5E-09	2.1E-07	2.1E-07	5.5E-09	0.	0.
.5	0.	0.	0.	0.	0.	0.	4.0E-07	4.0E-07	1.5E-10	1.5E-12	1.5E-08	4.0E-07	4.0E-07	*1.5E-08	0.	0.
.6	0.	0.	0.	0.	0.	0.	5.4E-07	5.4E-07	2.8E-10	3.8E-12	2.3E-08	5.4E-07	*5.4E-07	2.3E-08	0.	0.
.6	0.	0.	0.	0.	0.	0.	7.0E-07	7.0E-07	3.5E-08	*7.9E-12	3.5E-08	7.0E-07	7.0E-07	3.5E-08	0.	0.
.6	0.	0.	0.	0.	0.	0.	8.8E-07	9.0E-06	5.1E-08	1.8E-11	*5.1E-08	8.8E-07	8.8E-07	5.1E-08	0.	0.
.7	0.	0.	0.	0.	0.	0.	*1.9E-06	6.2E-05	6.2E-05	1.9E-06	6.1E-07	*1.9E-06	1.9E-06	1.7E-07	1.9E-10	0.
.7	0.	0.	0.	0.	0.	0.	2.3E-06	6.4E-05	*1.7E-04	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.2E-07	3.2E-10	0.
.7	0.	0.	0.	0.	0.	0.	7.6E-06	*6.5E-05	1.7E-04	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.8E-07	2.8E-07	0.
1.0	0.	0.	0.	0.	0.	0.	7.8E-05	7.8E-05	1.4E-04	3.1E-05	1.0E-05	3.1E-05	3.1E-05	1.0E-05	3.1E-05	0.
1.5	0.	3.0E-07	6.6E-12	0.	0.	3.0E-07	6.6E-05	9.3E-05	9.6E-05	9.3E-05	8.0E-05	9.3E-05	9.6E-05	9.3E-05	4.1E-05	0.
2.0	6.9E-05	3.9E-05	5.4E-05	3.9E-05	2.6E-12	7.1E-06	5.4E-05	6.7E-05	6.9E-05	6.9E-05	6.7E-05	6.9E-05	6.9E-05	6.9E-05	3.9E-05	2.6E-12
2.5	5.2E-05	4.3E-05	5.2E-05	3.4E-05	5.8E-06	2.5E-05	4.3E-05	5.1E-05	5.2E-05	5.2E-05	5.2E-05	5.2E-05	5.2E-05	5.2E-05	3.4E-05	4.3E-05
3.0	4.1E-05	4.1E-05	4.1E-05	3.0E-05	3.0E-05	2.3E-05	3.6E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05
3.5	3.3E-05	3.3E-05	3.3E-05	2.6E-05	3.0E-05	3.0E-05	3.0E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05
4.0	2.8E-05	2.8E-05	2.8E-05	2.6E-05	2.8E-05	2.6E-05	2.6E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05
4.5	2.4E-05	2.4E-05	2.4E-05	2.3E-05	2.4E-05	2.2E-05	2.2E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05
5.0	2.1E-05	2.1E-05	2.1E-05	2.0E-05	2.1E-05	1.9E-05	1.9E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05
6.0	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05
7.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
8.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
9.0	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-06	8.9E-05	8.9E-06	8.9E-06	8.9E-06
10.0	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06
15.0	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
20.0	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-03	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06
25.0	1.4E-06	1.4E-05	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
30.0	9.2E-07	9.2E-07	9.2E-07	9.2E-07	9.2E-07	9.2E-07	9.2E-07	9.2E-07	9.2E-07	9.2E-07	9.2E-07	9.2E-07	9.2E-07	9.2E-07	9.2E-07	9.2E-07
40.0	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07
50.0	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07
MAX CONC	6.9E-05	4.3E-05	5.4E-05	3.9E-05	3.0E-05	3.0E-05	7.5E-05	9.3E-05	1.7E-04	9.3E-05	8.0E-05	9.3E-05	9.5E-05	9.3E-05	4.1E-05	4.3E-05
DIST(MI)	2.0	2.5	2.0	2.0	3.5	3.5	1.0	1.5	.7	1.5	1.5	1.5	1.5	1.5	2.0	2.5

TABLE NO. V-24

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE LOW FLOW
STABILITY STABLE
SPEED 7. MPH

WIND DIRECTION RANGES	182-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	2.1E-14	0.	2.1E-14	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	2.6E-13	0.	2.6E-13	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	5.6E-11	6.7E-15	5.6E-11	6.7E-15	0.	0.
.4	0.	0.	0.	0.	0.	0.	7.4E-09	7.4E-09	0.	2.6E-14	7.4E-09	5.0E-07	7.4E-09	7.4E-08	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	2.8E-06	2.9E-06	2.4E-11	2.4E-11	1.8E-07	2.6E-06	2.9E-06	1.8E-07	0.	0.
.5	0.	0.	0.	0.	0.	0.	4.1E-06	4.1E-06	5.9E-09	1.1E-10	2.9E-07	4.1E-06	4.1E-06	*2.9E-07	0.	0.
.6	0.	0.	0.	0.	0.	0.	4.8E-06	4.8E-06	9.4E-09	2.1E-10	3.8E-07	4.8E-06	*4.8E-06	3.8E-07	0.	0.
.6	0.	0.	0.	0.	0.	0.	5.6E-06	5.6E-06	5.0E-07	*3.8E-10	5.0E-07	5.6E-06	5.6E-06	5.0E-07	0.	0.
.6	0.	0.	0.	0.	0.	0.	6.4E-06	3.8E-05	6.3E-07	6.6E-10	*6.3E-07	6.4E-06	6.4E-06	6.3E-07	0.	0.
.7	0.	0.	0.	0.	0.	0.	*9.8E-06	1.3E-04	1.3E-04	9.8E-06	3.9E-06	*9.8E-06	9.8E-06	1.4E-06	4.1E-09	0.
.7	0.	0.	0.	0.	0.	0.	1.1E-05	1.2E-04	*1.3E-04	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.6E-06	6.1E-09	0.
.7	0.	0.	0.	0.	0.	0.	1.2E-05	*1.2E-04	1.3E-04	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.9E-06	1.9E-06	0.
1.0	0.	0.	0.	0.	0.	0.	9.9E-05	9.9E-05	1.0E-04	5.4E-05	2.2E-05	5.4E-05	5.4E-05	2.2E-05	5.4E-05	0.
1.5	7.1E-15	7.8E-07	4.1E-11	7.1E-15	7.1E-15	7.5E-07	6.7E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	4.7E-05	7.1E-15
2.0	4.8E-05	3.8E-05	4.8E-05	3.8E-05	1.1E-11	9.7E-06	4.8E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	4.9E-05	3.8E-05	1.1E-11
2.5	3.7E-05	3.7E-05	3.7E-05	3.1E-05	7.1E-06	2.4E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.1E-05	3.7E-05
3.0	2.9E-05	2.8E-05	2.9E-05	2.5E-05	2.5E-05	2.1E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05
3.5	2.4E-05	2.4E-05	2.4E-05	2.1E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05
4.0	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05
4.5	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05
5.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
6.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
7.0	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06	9.2E-06
8.0	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06
9.0	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06
10.0	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06	5.4E-06
15.0	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06
20.0	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
25.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
30.0	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07	7.5E-07
40.0	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07	4.0E-07
50.0	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07
MAX CONC	4.9E-05	3.8E-05	4.8E-05	3.8E-05	2.5E-05	2.4E-05	9.9E-05	1.3E-04	1.3E-04	6.9E-05	6.9E-05	6.9E-05	6.9E-05	6.9E-05	5.4E-05	3.7E-05
DIST(MI)	2.0	2.0	2.0	2.0	3.0	2.5	1.0	.7	.7	1.5	1.5	1.5	1.5	1.5	1.0	2.5

TABLE NO. V-25

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE HIGH FLOW
STABILITY UNSTABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	8.5E-07	*8.5E-07	*8.5E-07	8.5E-07	8.5E-07	8.5E-07	4.5E-06	8.4E-06	1.5E-05	1.9E-05	4.1E-05	3.2E-05	4.1E-05	3.2E-05	8.5E-07	8.5E-07
.2	*1.5E-06	1.5E-06	1.5E-06	*1.5E-06	1.5E-06	1.5E-06	6.5E-06	1.1E-05	1.8E-05	2.9E-05	4.5E-05	3.6E-05	4.5E-05	3.6E-05	1.5E-06	*1.5E-06
.3	4.7E-06	4.7E-06	4.7E-06	4.7E-06	*4.7E-06	4.7E-06	3.7E-05	3.7E-05	2.7E-05	3.7E-05	5.0E-05	4.3E-05	5.0E-05	4.3E-05	4.7E-06	4.7E-06
.4	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	4.7E-05	4.7E-05	3.8E-05	3.8E-05	4.7E-05	5.0E-05	4.7E-05	4.7E-05	*1.1E-05	1.1E-05
.5	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	*1.5E-05	4.0E-05	4.0E-05	3.4E-05	3.4E-05	3.8E-05	4.0E-05	4.0E-05	3.8E-05	1.5E-05	1.5E-05
.5	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	3.7E-05	3.7E-05	3.3E-05	3.2E-05	3.8E-05	3.7E-05	3.7E-05	*3.5E-05	1.5E-05	1.5E-05
.6	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	3.6E-05	3.6E-05	3.2E-05	3.1E-05	3.4E-05	3.6E-05	*3.6E-05	3.4E-05	1.5E-05	1.5E-05
.6	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	3.4E-05	3.4E-05	3.3E-05	*3.0E-05	3.3E-05	3.4E-05	3.4E-05	3.3E-05	1.5E-05	1.5E-05
.6	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	3.3E-05	3.4E-05	3.2E-05	2.9E-05	*3.2E-05	3.3E-05	3.3E-05	3.2E-05	1.5E-05	1.5E-05
.7	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	*2.8E-05	3.0E-05	3.0E-05	2.8E-05	2.8E-05	*2.8E-05	2.8E-05	2.7E-05	2.5E-05	1.5E-05
.7	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	2.7E-05	2.8E-05	*2.9E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.6E-05	2.4E-05	1.5E-05
.7	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	2.6E-05	*2.7E-05	2.8E-05	2.6E-05	2.6E-05	2.6E-05	2.6E-05	2.5E-05	2.5E-05	1.5E-05
1.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.1E-05
1.5	6.8E-06	7.7E-06	7.1E-06	6.8E-06	6.8E-06	7.7E-06	8.1E-06	8.1E-06	8.2E-06	8.1E-06	8.1E-06	8.1E-06	8.2E-06	8.1E-06	8.0E-06	6.8E-06
2.0	4.9E-06	4.8E-06	4.8E-06	4.8E-06	4.3E-06	4.7E-06	4.8E-06	4.8E-06	4.9E-06	4.9E-06	4.6E-06	4.9E-06	4.9E-06	4.9E-06	4.8E-06	4.3E-06
2.5	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.1E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06
3.0	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06
3.5	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06	1.7E-06
4.0	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06
4.5	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
5.0	8.8E-07	8.8E-07	8.8E-07	8.7E-07	8.8E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07
6.0	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07
7.0	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07
8.0	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07
9.0	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07
10.0	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07
15.0	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
20.0	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08
25.0	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08	3.9E-08
30.0	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08	2.7E-08
40.0	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08
50.0	9.9E-09	9.9E-09	9.9E-09	9.9E-09	9.9E-09	9.9E-09	9.9E-09	9.9E-09	9.9E-09	9.9E-09	9.9E-09	9.9E-09	9.9E-09	9.9E-09	9.9E-09	9.9E-09
MAX CONC	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	4.7E-05	4.7E-05	3.8E-05	3.8E-05	5.0E-05	5.0E-05	5.0E-05	4.7E-05	2.5E-05	1.5E-05
DIST(MI)	.6	.6	.6	.6	.6	.6	.4	.4	.4	.4	.3	.4	.3	.4	.7	.6

TABLE NO. V-26

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE HIGH FLOW
STABILITY UNSTABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	2.8E-06	*2.8E-06	*2.8E-06	2.8E-06	2.8E-06	2.8E-06	9.0E-06	1.4E-05	2.1E-05	2.8E-05	4.1E-05	3.8E-05	4.1E-05	3.8E-05	2.8E-06	2.8E-06
.2	*3.4E-06	3.4E-06	3.4E-06	*3.4E-06	3.4E-06	3.4E-06	1.0E-05	1.8E-05	2.2E-05	3.0E-05	3.9E-05	3.4E-05	3.9E-05	3.4E-05	3.4E-06	*3.4E-06
.3	5.9E-06	5.9E-06	5.9E-06	5.9E-06	*5.9E-06	5.9E-06	2.7E-05	2.7E-05	2.2E-05	2.7E-05	3.3E-05	2.9E-05	3.3E-05	2.9E-05	5.9E-06	5.9E-06
.4	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	2.4E-05	2.4E-05	2.0E-05	2.1E-05	2.4E-05	2.5E-05	2.4E-05	2.4E-05	*8.1E-06	8.1E-06
.5	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	*8.3E-06	1.7E-05	1.7E-05	1.8E-05	1.8E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	8.3E-06	8.3E-06
.5	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	1.8E-05	1.8E-05	1.8E-05	1.4E-05	1.8E-05	1.8E-05	1.5E-05	*1.8E-05	8.1E-06	8.1E-06
.6	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	1.5E-05	1.5E-05	1.4E-05	1.3E-05	1.4E-05	1.5E-05	*1.5E-05	1.4E-05	8.0E-06	8.0E-06
.6	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	7.9E-06	1.4E-05	1.4E-05	1.4E-05	*1.3E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	7.9E-06	7.9E-06
.6	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	1.3E-05	1.4E-05	1.3E-05	1.2E-05	*1.3E-05	1.3E-05	1.3E-05	1.3E-05	7.7E-06	7.7E-06
.7	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.0E-05	7.1E-06
.7	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	6.9E-06	1.1E-05	1.1E-05	*1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.0E-05	9.9E-06	6.9E-06
.7	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	6.7E-06	1.0E-05	*1.0E-05	1.1E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	9.9E-06	9.9E-06	6.7E-06
1.0	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	5.9E-06	5.9E-06	6.0E-06	5.9E-06	5.8E-06	5.9E-06	5.9E-06	5.8E-06	5.9E-06	4.6E-06
1.5	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.9E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	2.9E-06	2.6E-06
2.0	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.7E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.7E-06
2.5	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
3.0	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07
3.5	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07
4.0	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07	5.2E-07
4.5	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07
5.0	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07
6.0	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07
7.0	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
8.0	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07
9.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
10.0	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
15.0	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08
20.0	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08	2.9E-08
25.0	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08
30.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
40.0	8.5E-09	8.5E-09	8.5E-09	8.5E-09	8.5E-09	8.5E-09	8.5E-09	8.5E-09	8.5E-09	8.5E-09	8.5E-09	8.5E-09	8.5E-09	8.5E-09	8.5E-09	8.5E-09
50.0	5.7E-09	5.7E-09	5.7E-09	5.7E-09	5.7E-09	5.7E-09	5.7E-09	5.7E-09	5.7E-09	5.7E-09	5.7E-09	5.7E-09	5.7E-09	5.7E-09	5.7E-09	5.7E-09
MAX CONC	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	2.7E-05	2.7E-05	2.2E-05	3.0E-05	4.1E-05	3.8E-05	4.1E-05	3.8E-05	1.0E-05	8.3E-06
DIST(MI)	.5	.5	.5	.5	.5	.5	.3	.3	.2	.2	.2	.2	.2	.2	.7	.5

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-27

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE HIGH FLOW
STABILITY UNSTABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-323	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	2.8E-06	*2.8E-06	*2.8E-06	2.8E-06	2.8E-06	2.8E-06	8.8E-06	1.3E-05	1.9E-05	2.2E-05	3.2E-05	2.8E-05	3.2E-05	2.8E-05	2.8E-06	2.8E-06
.2	*3.5E-06	3.5E-06	3.5E-06	*3.5E-06	3.5E-06	3.5E-06	9.5E-06	1.4E-05	1.8E-05	2.4E-05	2.9E-05	2.6E-05	2.9E-05	2.6E-05	3.5E-06	*3.5E-06
.3	5.2E-06	5.2E-06	5.2E-06	5.2E-06	*5.2E-06	5.2E-06	2.0E-05	2.0E-05	1.6E-05	2.0E-05	2.3E-05	2.1E-05	2.3E-05	2.1E-05	6.2E-06	5.2E-06
.4	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	1.6E-05	1.6E-05	1.3E-05	1.4E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	*6.2E-06	6.2E-06
.5	5.9E-06	5.9E-06	5.9E-06	5.9E-06	5.9E-06	*5.9E-06	1.1E-05	1.1E-05	1.0E-05	1.0E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	5.9E-06	5.9E-06
.5	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	9.8E-06	9.8E-06	9.3E-06	9.0E-06	9.6E-06	9.8E-06	9.8E-06	*9.6E-06	5.6E-06	5.6E-06
.6	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	9.3E-06	9.3E-06	8.8E-06	8.6E-06	9.1E-06	9.3E-06	*9.3E-06	9.1E-06	5.5E-06	5.5E-06
.6	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	8.8E-06	8.8E-06	8.6E-06	*8.2E-06	8.6E-06	8.8E-06	8.8E-06	8.6E-06	5.3E-06	5.3E-06
.6	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	8.3E-06	8.5E-06	8.2E-06	7.8E-06	*8.2E-06	8.3E-06	8.3E-06	8.2E-06	5.2E-06	5.2E-06
.7	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	*6.9E-06	7.0E-06	7.0E-06	6.9E-06	6.8E-06	*6.9E-06	6.9E-06	6.8E-06	6.5E-06	4.7E-06
.7	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	6.6E-06	6.7E-06	*6.8E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.5E-06	6.2E-06	4.5E-06
.7	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	6.3E-06	*6.4E-06	6.5E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.2E-06	6.2E-06	4.4E-06
1.0	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.6E-06	3.6E-06	3.7E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.0E-06
1.5	1.6E-06	1.8E-06	1.7E-06	1.6E-06	1.6E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.6E-06
2.0	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.0E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.0E-06
2.5	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07
3.0	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
3.5	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07
4.0	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07	3.3E-07
4.5	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.6E-07	2.6E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07
5.0	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07
6.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
7.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
8.0	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08	9.6E-08
9.0	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08	7.8E-08
10.0	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08	6.5E-08
15.0	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08	3.2E-08
20.0	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
25.0	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
30.0	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09	9.4E-09
40.0	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09	5.6E-09
50.0	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09
MAX CONC	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	2.0E-05	2.0E-05	1.9E-05	2.4E-05	3.2E-05	2.8E-05	3.2E-05	2.8E-05	6.5E-06	6.2E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.7	.4

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-28

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE HIGH FLOW
STABILITY UNSTABLE
SPEED 7. MPH

	WIND DIRECTION RANGES															
	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
	DOWN WIND SECTOR BEARING															
DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	2.8E-06	*2.8E-06	*2.8E-06	2.8E-06	2.8E-06	2.8E-06	8.1E-06	1.2E-05	1.6E-05	1.8E-05	2.6E-05	2.3E-05	2.6E-05	2.3E-05	2.8E-06	2.8E-06
.2	*3.4E-06	3.4E-06	3.4E-06	*3.4E-06	3.4E-06	3.4E-06	8.5E-06	1.2E-05	1.5E-05	1.8E-05	2.3E-05	2.1E-05	2.3E-05	2.1E-05	3.4E-06	*3.4E-06
.3	4.5E-06	4.5E-06	4.5E-06	4.5E-06	*4.5E-06	4.5E-06	1.8E-05	1.8E-05	1.3E-05	1.5E-05	1.8E-05	1.6E-05	1.8E-05	1.6E-05	4.5E-06	4.5E-06
.4	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	1.2E-05	1.2E-05	1.0E-05	1.1E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	*5.0E-06	5.0E-06
.5	4.5E-06	4.5E-06	4.5E-06	4.5E-06	4.5E-06	*4.5E-06	8.0E-06	8.0E-06	7.5E-06	7.5E-06	7.8E-06	8.0E-06	8.0E-06	7.8E-06	4.5E-06	4.5E-06
.5	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	7.1E-06	7.1E-06	6.8E-06	6.7E-06	7.0E-06	7.1E-06	7.1E-06	*7.0E-06	4.3E-06	4.3E-06
.6	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	4.2E-06	6.8E-06	6.8E-06	6.5E-06	6.4E-06	6.7E-06	6.8E-06	*6.8E-06	6.7E-06	4.2E-06	4.2E-06
.6	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	4.1E-06	6.4E-06	6.4E-06	6.3E-06	*6.0E-06	6.3E-06	6.4E-06	6.4E-06	6.3E-06	4.1E-06	4.1E-06
.6	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	6.1E-06	6.1E-06	6.0E-06	5.7E-06	*6.0E-06	6.1E-06	6.1E-06	6.0E-06	4.0E-06	4.0E-06
.7	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	*5.0E-06	5.1E-06	5.1E-06	5.0E-06	5.0E-06	*5.0E-06	5.0E-06	4.9E-06	4.8E-06	3.5E-06
.7	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	3.4E-06	4.8E-06	4.8E-06	*4.9E-06	4.8E-06	4.8E-06	4.8E-06	4.8E-06	4.7E-06	4.6E-06	3.4E-06
.7	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	3.3E-06	4.6E-06	*4.6E-06	4.7E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.5E-06	4.5E-06	3.3E-06
1.0	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.2E-06
1.5	1.2E-06	1.3E-06	1.2E-06	1.2E-06	1.2E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.2E-06
2.0	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.5E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.9E-07	7.5E-07
2.5	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.3E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07
3.0	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07
3.5	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07
4.0	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07
4.5	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07
5.0	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07	1.6E-07
6.0	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07
7.0	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08
8.0	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08	7.1E-08
9.0	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08
10.0	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08
15.0	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08	2.4E-08
20.0	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08	1.4E-08
25.0	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.5E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09	9.6E-09
30.0	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09	7.0E-09
40.0	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09	4.2E-09
50.0	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09
MAX CONC	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	1.8E-05	1.8E-05	1.6E-05	1.8E-05	2.6E-05	2.3E-05	2.6E-05	2.3E-05	5.0E-06	5.0E-06
DIST(MI)	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	.4	.4

TABLE NO. V-29

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE HIGH FLOW
STABILITY STABLE
SPEED 1. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.
.7	0.	0.	0.	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.
1.0	0.	0.	0.	0.	0.	0.	8.4E-14	8.4E-14	2.5E-12	2.2E-15	0.	2.2E-15	8.2E-15	0.	2.2E-15	0.
1.5	0.	0.	0.	0.	0.	0.	1.2E-09	8.3E-09	2.4E-07	8.3E-09	3.3E-09	8.3E-09	4.8E-08	8.3E-09	1.6E-10	0.
2.0	2.2E-06	1.7E-08	6.6E-08	1.7E-08	0.	1.2E-10	6.6E-08	2.3E-07	2.2E-06	1.4E-05	2.3E-07	2.2E-06	2.2E-06	7.5E-07	1.7E-08	0.
2.5	2.5E-05	5.1E-07	3.0E-06	1.9E-07	1.4E-09	6.4E-08	5.1E-07	1.3E-06	6.5E-06	4.3E-05	1.8E-05	6.5E-06	6.5E-06	2.5E-05	1.9E-07	5.1E-07
3.0	3.3E-05	3.3E-05	6.5E-06	7.7E-07	7.7E-07	3.4E-07	1.7E-06	3.4E-06	1.2E-05	1.1E-04	2.6E-05	1.2E-05	1.2E-05	3.3E-05	6.5E-06	5.1E-05
3.5	3.9E-05	3.9E-05	1.0E-05	1.9E-06	2.5E-06	3.5E-06	3.5E-06	1.0E-05	1.7E-05	1.4E-04	7.4E-05	1.7E-05	1.7E-05	3.9E-05	3.9E-05	1.0E-04
4.0	7.2E-05	7.2E-05	1.4E-05	5.7E-06	3.0E-05	5.7E-06	5.7E-06	1.4E-05	2.1E-05	1.4E-04	9.1E-05	3.0E-05	5.6E-05	9.1E-05	4.2E-05	1.1E-04
4.5	6.8E-05	6.8E-05	3.3E-05	1.1E-05	3.3E-05	7.9E-06	7.9E-06	1.7E-05	2.4E-05	1.2E-04	1.1E-04	4.3E-05	9.6E-05	1.1E-04	6.8E-05	1.2E-04
5.0	9.0E-05	6.3E-05	3.4E-05	1.3E-05	3.4E-05	1.0E-05	1.0E-05	1.9E-05	2.6E-05	1.0E-04	9.5E-05	6.3E-05	9.0E-05	9.5E-05	7.6E-05	1.0E-04
6.0	7.9E-05	7.5E-05	3.4E-05	1.7E-05	3.4E-05	2.8E-05	2.8E-05	2.2E-05	2.8E-05	8.0E-05	7.5E-05	6.3E-05	8.0E-05	7.9E-05	8.0E-05	8.0E-05
7.0	6.5E-05	6.2E-05	4.0E-05	2.3E-05	4.2E-05	3.3E-05	2.8E-05	2.3E-05	3.3E-05	6.5E-05	6.4E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05	6.5E-05
8.0	5.4E-05	5.3E-05	4.9E-05	3.0E-05	3.8E-05	3.0E-05	2.7E-05	2.3E-05	3.0E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05	5.4E-05
9.0	4.6E-05	4.6E-05	4.2E-05	2.8E-05	3.4E-05	2.8E-05	2.5E-05	2.2E-05	2.8E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05
10.0	3.9E-05	3.9E-05	3.7E-05	2.6E-05	3.0E-05	2.6E-05	2.3E-05	2.1E-05	2.6E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05
15.0	2.0E-05	2.0E-05	1.9E-05	1.8E-05	1.7E-05	1.6E-05	1.5E-05	1.4E-05	1.6E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05
20.0	1.1E-05	1.1E-05	1.0E-05	1.0E-05	9.7E-06	9.2E-06	8.8E-06	8.5E-06	9.2E-06	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
25.0	5.5E-06	5.5E-06	5.4E-06	5.4E-06	5.2E-06	4.9E-06	4.8E-06	4.7E-06	4.9E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06
30.0	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.7E-06	2.6E-06	2.5E-06	2.5E-06	2.6E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06
40.0	7.3E-07	7.3E-07	7.2E-07	7.2E-07	7.0E-07	6.8E-07	6.7E-07	6.6E-07	6.8E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07	7.3E-07
50.0	2.0E-07	2.0E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.8E-07	1.9E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
MAX CONC	9.0E-05	7.5E-05	4.9E-05	3.0E-05	4.2E-05	3.3E-05	2.8E-05	2.3E-05	3.3E-05	1.4E-04	1.1E-04	6.5E-05	9.6E-05	1.1E-04	8.0E-05	1.2E-04
DIST(MI)	5.0	6.0	8.0	8.0	7.0	7.0	6.0	7.0	7.0	3.5	4.5	7.0	4.5	4.5	6.0	4.5

TABLE NO. V-30

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE HIGH FLOW
STABILITY STABLE
SPEED 3. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING / DISTANCE MILES	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	1.2E-15	1.2E-15	0.	0.	0.	1.2E-15	1.2E-15	0.	0.	0.
.5	0.	0.	0.	0.	0.	0.	1.8E-14	1.8E-14	0.	0.	0.	1.8E-14	1.8E-14	*0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	4.6E-14	4.6E-14	0.	0.	0.	4.6E-14	*4.6E-14	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.3E-13	1.3E-13	0.	*0.	0.	1.3E-13	1.3E-13	0.	0.	0.
.6	0.	0.	0.	0.	0.	0.	3.3E-13	3.1E-11	2.0E-15	0.	*2.0E-15	3.3E-13	3.3E-13	2.0E-15	0.	0.
.7	0.	0.	0.	0.	0.	0.	*7.6E-12	1.1E-08	1.1E-08	7.6E-12	8.4E-13	*7.6E-12	7.6E-12	1.0E-13	0.	0.
.7	0.	0.	0.	0.	0.	0.	1.8E-11	1.6E-08	*2.6E-07	1.8E-11	1.8E-11	1.8E-11	1.8E-11	2.4E-13	0.	0.
.7	0.	0.	0.	0.	0.	0.	2.7E-11	*2.2E-08	3.4E-07	2.7E-11	2.7E-11	2.7E-11	2.7E-11	5.0E-13	5.0E-13	0.
1.0	0.	0.	0.	0.	0.	0.	6.1E-07	6.1E-07	3.3E-06	8.5E-08	9.1E-09	8.5E-08	8.5E-08	9.1E-09	8.5E-08	0.
1.5	0.	5.5E-10	0.	0.	0.	5.5E-10	5.8E-06	1.4E-05	6.3E-05	1.4E-05	9.1E-06	1.4E-05	3.2E-05	1.4E-05	1.8E-06	0.
2.0	6.1E-05	5.8E-06	1.2E-05	5.8E-06	0.	2.9E-07	1.2E-05	2.3E-05	6.1E-05	1.1E-04	2.3E-05	6.1E-05	6.1E-05	3.9E-05	5.8E-06	0.
2.5	8.4E-05	1.7E-05	4.0E-05	9.9E-06	4.8E-07	5.4E-06	1.7E-05	2.7E-05	9.5E-06	8.6E-05	7.7E-05	5.5E-05	5.5E-05	8.4E-05	9.9E-06	1.7E-05
3.0	6.7E-05	6.7E-05	3.8E-05	1.3E-05	1.3E-05	8.0E-06	1.9E-05	2.8E-05	4.[illegible]E-05	6.8E-05	6.3E-05	4.8E-05	4.8E-05	6.7E-05	3.8E-05	6.8E-05
3.5	5.5E-05	5.5E-05	3.4E-05	1.4E-05	2.0E-05	2.0E-05	2.0E-05	3.4E-05	4.[illegible]E-05	5.6E-05	5.6E-05	4.2E-05	4.2E-05	5.5E-05	5.5E-05	5.6E-05
4.0	4.7E-05	4.7E-05	3.1E-05	2.0E-05	4.2E-05	2.0E-05	2.0E-05	3.1E-05	3.7E-05	4.7E-05	4.7E-05	4.2E-05	4.7E-05	4.7E-05	4.6E-05	4.7E-05
4.5	4.0E-05	4.0E-05	3.6E-05	2.3E-05	3.6E-05	2.0E-05	2.0E-05	2.8E-05	3.3E-05	4.0E-05	4.0E-05	3.9E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05
5.0	3.4E-05	3.4E-05	3.2E-05	2.2E-05	3.2E-05	1.9E-05	1.9E-05	2.6E-05	2.9E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05	3.4E-05
6.0	2.7E-05	2.7E-05	2.5E-05	1.9E-05	2.5E-05	2.4E-05	2.4E-05	2.1E-05	2.4E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05
7.0	2.2E-05	2.2E-05	2.2E-05	1.8E-05	2.2E-05	2.1E-05	1.9E-05	1.8E-05	2.1E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05	2.2E-05
8.0	1.8E-05	1.8E-05	1.8E-05	1.7E-05	1.8E-05	1.7E-05	1.6E-05	1.5E-05	1.7E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
9.0	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.3E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
10.0	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.2E-05	1.2E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
15.0	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.5E-06	6.4E-06	6.2E-06	6.5E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06
20.0	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.7E-06	3.7E-06	3.6E-06	3.7E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
25.0	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06
30.0	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06
40.0	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.1E-07	6.1E-07	6.1E-07	6.1E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07
50.0	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07	3.0E-07
MAX CONC	8.4E-05	6.7E-05	4.0E-05	2.3E-05	4.2E-05	2.4E-05	2.4E-05	3.4E-05	6.3E-05	1.1E-04	7.7E-05	6.1E-05	6.1E-05	8.4E-05	5.5E-05	6.8E-05
DIST(MI)	2.5	3.0	2.5	4.5	4.0	6.0	6.0	3.5	1.5	2.0	2.5	2.0	2.0	2.5	3.5	3.0

TABLE NO. V-31

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE HIGH FLOW
STABILITY STABLE
SPEED 5. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.8E-12	0.	0.	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	8.0E-11	9.0E-11	0.	0.	6.2E-13	9.0E-11	9.0E-11	6.2E-13	0.	0.
.5	0.	0.	0.	0.	0.	0.	3.6E-10	3.6E-10	9.7E-15	0.	4.1E-12	3.6E-10	3.6E-10	*4.1E-12	0.	0.
.6	0.	0.	0.	0.	0.	0.	6.7E-10	6.7E-10	2.8E-14	0.	9.1E-12	6.7E-10	*6.7E-10	9.1E-12	0.	0.
.6	0.	0.	0.	0.	0.	0.	1.2E-09	1.2E-09	2.0E-11	*0.	2.0E-11	1.2E-09	1.2E-09	2.0E-11	0.	0.
.6	0.	0.	0.	0.	0.	0.	2.0E-09	5.8E-08	3.9E-11	1.3E-15	*3.9E-11	2.0E-09	2.0E-09	3.9E-11	0.	0.
.7	0.	0.	0.	0.	0.	0.	*1.1E-06	2.1E-06	2.1E-06	1.1E-08	2.2E-09	*1.1E-08	1.1E-08	4.0E-10	5.4E-14	0.
.7	0.	0.	0.	0.	0.	0.	1.6E-08	2.5E-06	*1.6E-05	1.6E-08	1.6E-08	1.6E-08	1.6E-08	6.6E-10	1.5E-13	0.
.7	0.	0.	0.	0.	0.	0.	2.2E-08	*2.9E-06	1.7E-05	2.2E-08	2.2E-08	2.2E-08	2.2E-08	1.0E-09	1.0E-09	0.
1.0	0.	0.	0.	0.	0.	0.	1.1E-05	1.1E-05	3.3E-05	2.6E-06	5.0E-07	2.6E-06	2.6E-06	5.0E-07	2.6E-06	0.
1.5	0.	1.6E-08	6.2E-14	0.	0.	1.6E-08	2.2E-05	4.2E-05	9.4E-05	4.2E-05	3.1E-05	4.2E-05	6.8E-05	4.2E-05	1.0E-05	0.
2.0	6.8E-05	1.5E-05	2.6E-05	1.5E-05	5.7E-14	1.5E-06	2.6E-05	3.9E-05	6.8E-05	6.9E-05	3.9E-05	6.8E-05	6.8E-05	5.4E-05	1.5E-05	5.7E-14
2.5	5.2E-05	2.5E-05	4.4E-05	1.7E-05	1.6E-06	1.1E-05	2.5E-05	3.5E-05	5.1E-05	5.2E-05	5.2E-05	5.1E-05	5.1E-05	5.2E-05	1.7E-05	2.5E-05
3.0	4.1E-05	4.1E-05	3.6E-05	1.8E-05	1.8E-05	1.2E-05	2.4E-05	3.0E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	3.6E-05	4.1E-05
3.5	3.3E-05	3.3E-05	3.0E-05	1.7E-05	2.1E-05	2.1E-05	2.1E-05	3.0E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05
4.0	2.8E-05	2.8E-05	2.6E-05	1.9E-05	2.8E-05	1.9E-05	1.9E-05	2.6E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05
4.5	2.4E-05	2.4E-05	2.4E-05	2.0E-05	2.4E-05	1.7E-05	1.7E-05	2.2E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05
5.0	2.1E-05	2.1E-05	2.1E-05	1.7E-05	2.1E-05	1.6E-05	1.6E-05	1.9E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05
6.0	1.6E-05	1.6E-05	1.6E-05	1.4E-05	1.6E-05	1.6E-05	1.6E-05	1.5E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05
7.0	1.3E-05	1.3E-05	1.3E-05	1.2E-05	1.3E-05	1.3E-05	1.3E-05	1.2E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05
8.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.0E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
9.0	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	8.8E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06	9.0E-06
10.0	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.5E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06
15.0	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06	4.0E-06
20.0	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06
25.0	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06
30.0	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
40.0	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07	5.1E-07
50.0	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07
MAX CONC	6.8E-05	4.1E-05	4.4E-05	2.0E-05	2.8E-05	2.1E-05	2.6E-05	4.2E-05	9.4E-05	6.9E-05	5.2E-05	6.8E-05	6.8E-05	5.4E-05	3.6E-05	4.1E-05
DIST(MI)	2.0	3.0	2.5	4.5	4.0	3.5	2.0	1.5	1.5	2.0	2.5	2.0	2.0	2.0	3.0	3.0

NOTE: AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-32

PEACH BOTTOM ATOMIC POWER STATION
RELATIVE DISPERSION VALUES FOR EMERGENCY DOSE CALCULATION PROCEDURE

CHI/Q DEPLETED
VENT RELEASE HIGH FLOW
STABILITY STABLE
SPEED 7. MPH

WIND DIRECTION RANGES	192-213	214-236	237-258	259-281	282-303	304-326	327-348	349-11	12-33	34-56	57-78	79-101	102-123	124-146	147-168	169-191
DOWN WIND SECTOR BEARING	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
DISTANCE MILES																
.2	0.	*0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.2	*0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	*0.
.3	0.	0.	0.	0.	*0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
.4	0.	0.	0.	0.	0.	0.	5.0E-13	5.0E-13	0.	0.	5.0E-13	1.8E-10	5.0E-13	5.0E-13	*0.	0.
.5	0.	0.	0.	0.	0.	*0.	1.1E-08	1.1E-08	2.2E-15	2.2E-15	1.8E-10	1.1E-08	1.1E-08	1.8E-10	0.	0.
.5	0.	0.	0.	0.	0.	0.	2.8E-08	2.8E-08	3.9E-12	2.4E-14	6.6E-10	2.8E-08	2.8E-08	*6.6E-10	0.	0.
.6	0.	0.	0.	0.	0.	0.	4.1E-08	4.1E-08	8.6E-12	6.7E-14	1.2E-09	4.1E-08	*4.1E-08	1.2E-09	0.	0.
.6	0.	0.	0.	0.	0.	0.	5.9E-08	5.9E-08	2.0E-09	*1.8E-13	2.0E-09	5.9E-08	5.9E-08	2.0E-09	0.	0.
.6	0.	0.	0.	0.	0.	0.	8.2E-08	1.2E-06	3.2E-09	4.3E-13	*2.2E-09	8.2E-08	8.2E-08	3.2E-09	0.	0.
.7	0.	0.	0.	0.	0.	0.	*2.5E-07	1.5E-05	1.5E-05	2.5E-07	6.6E-08	*2.5E-07	2.5E-07	1.6E-08	8.5E-12	0.
.7	0.	0.	0.	0.	0.	0.	3.1E-07	1.6E-05	*6.2E-05	3.1E-07	3.1E-07	3.1E-07	3.1E-07	2.2E-08	1.6E-11	0.
.7	0.	0.	0.	0.	0.	0.	3.8E-07	*1.8E-05	6.3E-05	3.8E-07	3.8E-07	3.8E-07	3.8E-07	3.0E-08	3.0E-08	0.
1.0	0.	0.	0.	0.	0.	0.	2.9E-05	2.9E-05	6.5E-05	1.0E-05	2.6E-06	1.0E-05	1.0E-05	2.6E-06	1.0E-05	0.
1.5	0.	7.7E-08	8.8E-13	0.	0.	7.7E-08	3.4E-05	5.3E-05	6.9E-05	5.3E-05	4.3E-05	5.3E-05	6.8E-05	5.3E-05	1.8E-05	0.
2.0	4.9E-05	2.0E-05	3.0E-05	2.0E-05	4.7E-13	3.0E-06	3.0E-05	4.1E-05	4.9E-05	4.9E-05	4.1E-05	4.9E-05	4.9E-05	4.9E-05	2.0E-05	4.7E-13
2.5	3.7E-05	2.6E-05	3.7E-05	2.0E-05	2.7E-06	1.4E-05	2.6E-05	3.3E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	3.7E-05	2.0E-05	2.6E-05
3.0	2.9E-05	2.9E-05	2.8E-05	1.8E-05	1.8E-05	1.4E-05	2.2E-05	2.7E-05	2.9E-05	2.8E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05	2.9E-05
3.5	2.4E-05	2.4E-05	2.4E-05	1.6E-05	1.9E-05	1.9E-05	1.9E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05
4.0	2.0E-05	2.0E-05	2.0E-05	1.7E-05	2.0E-05	1.7E-05	1.7E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	2.0E-05	[illegible].0E-05	2.0E-05
4.5	1.7E-05	1.7E-05	1.7E-05	1.6E-05	1.7E-05	1.5E-05	1.5E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05
5.0	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.3E-05	1.3E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05
6.0	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
7.0	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06	9.3E-06
8.0	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06
9.0	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06
10.0	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06
15.0	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06
20.0	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06
25.0	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06
30.0	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07	8.0E-07
40.0	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07
50.0	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07
MAX CONC	4.9E-05	2.9E-05	3.7E-05	2.0E-05	2.0E-05	1.9E-05	3.4E-05	5.3E-05	6.9E-05	5.3E-05	4.3E-05	5.3E-05	6.9E-05	5.3E-05	2.9E-05	2.9E-05
DIST(MI)	2.0	3.0	2.5	2.0	4.0	3.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0

NOTE; AN ASTERISK (*) PRECEDES THE SITE BOUNDARY VALUE IN EACH SECTOR

TABLE NO. V-33

ISOTOPIC ABUNDANCE VS. DECAY TIME SINCE THE REACTOR SHUTDOWN

Isotope	0.0 hrs	0.33	0.50	0.67	1.00	1.33	1.50
Kr-83m							
Kr-85m		1.483	2.46	3.469	5.374	7.061	7.732
Kr-85							
Kr-87	0.248	8.096	12.572	16.592	22.604	26.117	26.77
Kr-88	0.173	6.241	10.196	14.158	21.287	27.143	29.272
Kr-89	11.628	6.073	1.12				
Kr-90	71.58						
Xe-131m							
Xe-133m							0.112
Xe-133		0.277	0.472	0.683	1.112	1.536	1.726
Xe-135m	0.532	8.688	9.442	8.722	5.945	3.436	2.465
Xe-135		3.712	6.245	8.93	14.215	19.19	21.311
Xe-137	12.[illegible]44	13.412	3.607				
Xe-138	3.494	52.017	53.886	47.446	29.464	15.517	10.611

ISOTOPIC ABUNDANCE VS. DECAY TIME SINCE THE REACTOR SHUTDOWN

Isotope	1.67 hrs	2.00	2.33	2.50	2.67	3.00	3.50
Kr-83m							
Kr-85m	8.283	9.065	9.601	9.902	10.082	10.361	10.732
Kr-85							
Kr-87	26.84	25.382	24.059	23.225	22.133	20.002	17.053
Kr-88	30.878	32.798	33.712	34.24	34.329	34.239	33.894
Kr-89							
Kr-90							
Xe-131m							
Xe-133m	0.122	0.141	0.156	0.165	0.172	0.186	0.207
Xe-133	1.898	2.184	2.433	2.575	2.69	2.907	3.25
Xe-135m	1.73	0.833	0.388	0.262			
Xe-135	23.151	26.033	28.329	29.63	30.593	32.304	34.864
Xe-137							
Xe-138	7.098	3.114	1.322				

ISOTOPIC ABUNDANCE VS. DECAY TIME SINCE THE REACTOR SHUTDOWN

Isotope	4.00 hrs	4.50	5.00	5.50	6.00	7.00	8.00
Kr-83m							
Kr-85m	11.039	11.283	11.465	11.588	11.657	11.647	11.472
Kr-85							
Kr-87	14.438	12.146	10.158	8.451	6.997	4.736	3.16
Kr-88	33.32	32.547	31.608	30.532	29.352	26.787	24.1
Kr-89							
Kr-90							
Xe-131m							
Xe-133m	0.229	0.251	0.275	0.299	0.323	0.373	0.425
Xe-133	3.607	3.979	4.363	4.759	5.165	6.01	6.894
Xe-135m							
Xe-135	37.367	39.794	42.132	44.372	46.506	50.447	53.949
Xe-137							
Xe-138							

ISOTOPIC ABUNDANCE VS. DECAY TIME SINCE THE REACTOR SHUTDOWN

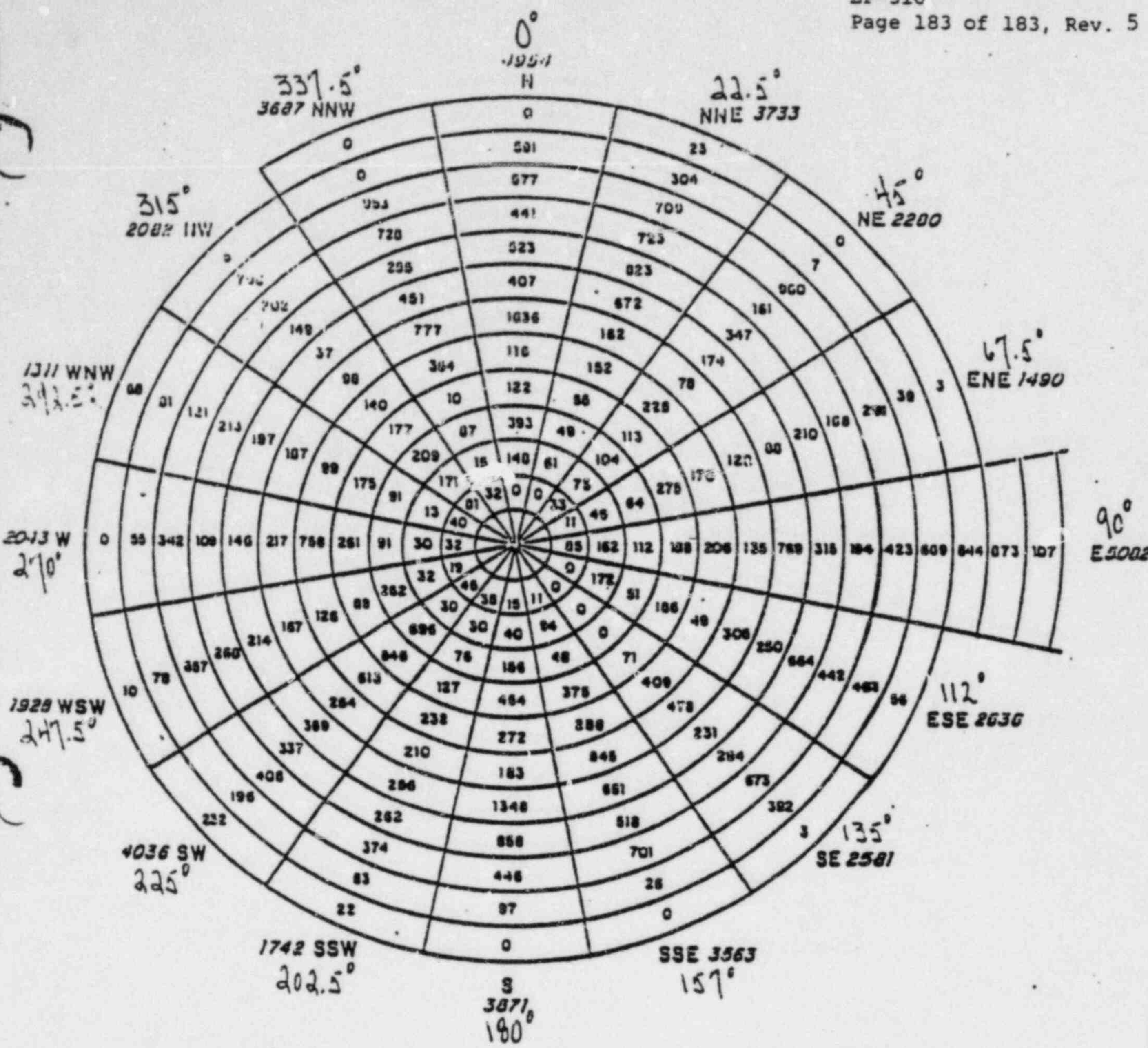
Isotope	9.00 hrs	10.0	20.0	30.0	40.0	50.0	60.0
Kr-83m	11.169	10.768	5.474	20.095	0.672		
Kr-85m							
Kr-85							
Kr-87	2.084	1.361					
Kr-88	21.431	18.873	3.877				
Kr-89							
Kr-90							
Xe-131m							0.105
Xe-133m	0.478	0.533	1.115	1.884	2.578	3.111	3.378
Xe-133	7.816	8.776	20.464	35.921	52.874	68.638	80.155
Xe-135m							
Xe-135	57.022	59.688	69.03	60.1	43.876	28.25	16.362
Xe-137							
Xe-138							

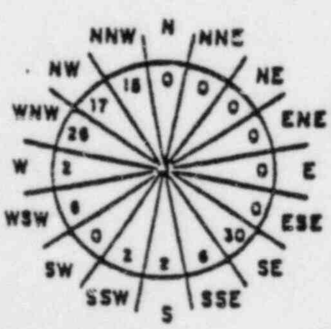
ISOTOPIC ABUNDANCE VS. DECAY TIME SINCE THE REACTOR SHUTDOWN

Isotope	70.0 hrs	80.0	90.0	100.0	200.0	300.0	400.0
Kr-83m							
Kr-85m							
Kr-85							
Kr-87							
Kr-88							
Kr-89							
Kr-90							
Xe-131m	0.118	0.127	0.135	0.143	0.197	0.269	0.367
Xe-133m	3.431	3.347	3.193	3.046	1.49	0.723	0.349
Xe-133	87.584	91.91	94.323	96.811	98.313	99.007	99.283
Xe-135m							
Xe-135	8.868	4.615	2.349				
Xe-137							
Xe-138							

ISOTOPIC ABUNDANCE VS. DECAY TIME SINCE THE REACTOR SHUTDOWN

Isotope	500.0 hrs	600.0	700.0	800.0	900.0	999.0
Kr-83m						
Kr-85m						
Kr-85				0.101	0.174	0.297
Kr-87						
Kr-88						
Kr-89						
Kr-90						
Xe-131m	0.459	0.678	0.919	1.244	1.681	2.261
Xe-133m	0.168					
Xe-133	99.332	99.322	99.081	98.655	98.145	97.442
Xe-135m						
Xe-135						
Xe-137						
Xe-138						





0-1 MILE RADIUS

0-2 MI	0-5 MI	0-10 MI	2-5 MI	5-10 MI	FULL EPZ
548	7,683	36,985	7,135	29,302	47,019

POPULATION DISTRIBUTION BY
COMPASS SECTOR - SUMMER DAY

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

October 29, 1984

50-277/278 Peach Bottom

MEMORANDUM FOR: Chief, Document Management Branch, TIDC

FROM: Director, Division of Rules and Records, ADM

SUBJECT: REVIEW OF UTILITY EMERGENCY PLAN DOCUMENTATION

The Division of Rules and Records has reviewed the attached document and has determined that it may now be made publicly available.

J. M. Felton, Director
Division of Rules and Records
Office of Administration

Attachment: As stated