30-443

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

September 18, 1996

SECTIONS

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NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

1.1 ERO OBJECTIVES AND EXTENT OF PLAY

1996 EXERCISE
ERO OBJECTIVES AND EXTENT OF PLAY

Objective 1.1: Demonstrate the ability to recognize station conditions and parameter trends as emergency plan initiating conditions, and to develop potential solutions for placing the station in a safe, stable condition. **[Control Room and TSC]**

Extent of Play

Initial accident recognition and plan activation will occur in the Control Room. Control Room activities will be conducted from the Station Simulator located in the Seabrook Training Center.

The TSC will demonstrate the ability to analyze station conditions and parameter trends, and develop potential solutions for placing the station in a safe, stable condition. The Yankee Atomic Electric Company (YAEC) Engineering Support Center (ESC) will assist the TSC with accident assessment and core damage analysis.

Objective 1.2: Demonstrate the ability to assess Emergency Action Level (EAL) parameters and correctly classify the emergency. **[Control Room and TSC]**

Extent of Play

The Simulator Control Room staff and the TSC staff will identify, assess and classify emergency conditions in accordance with Station Emergency Response Manual Procedure ER 1.1, Classification of Emergencies.

Objective 1.3: Demonstrate the ability to notify onsite and offsite emergency response organizations of the emergency and related information. **[Control Room, TSC, Guard Island and EOF]**

Extent of Play

The Control Room, Technical Support Center, Guard Island and Emergency Operations Facility staffs will demonstrate this objective by notifying North Atlantic, State, NRC and YAEC response personnel in accordance with appropriate procedures.

Notification actions and forms initiated by the Exercise Shift Superintendent in the Simulator will be relayed by a Simulator Controller to a Control Room Controller. The Control Room Controller will duplicate the actions associated with notifications (e.g., forms completion) and direct notifications through the Control Room Communicator.

The NRC is participating in this exercise. A Site Team will respond to North Atlantic emergency response facilities. Response liaison personnel will report to the State Emergency Operations Centers and other selected offsite locations. Participation will also include the NRC headquarters response center. With respect to NRC notifications during the exercise, it should be noted that the simulator does not have an Emergency Notification System (ENS) line. A commercial line will be used to initiate and maintain notifications to the NRC until the TSC is activated and responsibility for this function is transferred.

Objective I.4: Demonstrate the ability to gather, assess, coordinate, and disseminate information regarding station emergency conditions and emergency response activities. **[All ERO facilities]**

Extent of Play

The Nuclear Alert System (NAS), ENS and Health Physics Network (HPN) lines will be utilized as well as all facility telephone communications (e.g., microwave, commercial and ringdown circuits). The station Gai-Tronics system will be used to issue plant announcements. The Security, Operations and Maintenance, and Radiological Monitoring radio frequencies will be used to support emergency response efforts.

Main Plant Computer System (MPCS) and Safety Parameter Display System (SPDS) data will be provided by the simulator computer. This data will be available on MPCS terminals in the Simulator, TSC and EOF, and transmitted to the NRC headquarters response center via the Emergency Response Data System (ERDS).

Radiological and meteorological data generated by the simulator will not be used. Controllers will issue selected Radiation Data Management System (RDMS) and meteorological system data to the players upon request.

The Security and Fully Integrated Nuclear Information System (FINIS) computer systems will be accessed as needed by appropriate response personnel.

Objective I.5: Demonstrate the ability to formulate and implement a radiological exposure control program. **[TSC, OSC and EOF]**

Extent of Play

The TSC will monitor and authorize protective actions for site personnel. Security personnel will simulate implementation of site access control measures. The OSC will implement appropriate actions associated with protective equipment, exposure and contamination control, and KI administration. Offsite personnel protective measures will be controlled from the EOF.

Onsite emergency response personnel shall don appropriate protective clothing. The ability to properly utilize respiratory protection equipment will be demonstrated for in-plant teams when such equipment use is warranted.

Response personnel exposures will be monitored by personal dosimetry and facility surveys. Actual personnel exposure summary reports will be available to facilitate dose planning. Due to some personnel exposure histories, dose extension authorizations may be warranted.

Objective I.6: Demonstrate the ability to formulate Protective Action Recommendations. **[Control Room, TSC and EOF]**

Extent of Play

Protective action decision-making will be demonstrated in accordance with the Station Emergency Response Manual as appropriate to the development of the exercise scenario and the responses of the players. The EOF will evaluate offsite radiological conditions using the METPAC dose projection system. Selected onsite and offsite sample analysis data will also be available to support protective action decision-making.

Objective I.7: Demonstrate the ability to mobilize the station emergency response organization and activate station emergency response facilities in a timely manner. **[All ERO facilities]**

Extent of Play

This exercise will include a demonstration of the new, streamlined Emergency Response Organization (ERO), prior to its scheduled implementation during the forth quarter of 1996. The new ERO will demonstrate response capabilities in accordance with a final draft set of new Station Emergency Response Manual procedures. Performance in this exercise will confirm that existing response capabilities would be maintained with the new ERO and procedures. NRC review of this demonstration is consistent with the guidance contained in Inspection Manual Procedure 82302, Review of Exercise Objectives and Scenarios for Power Reactors. Specific Guidance Step 03.02 states, "Major elements of licensee (or applicant) exercises are to be included in the objectives. These elements normally include aspects of the emergency plan to be exercised and may include areas, such as the use of a new set of procedures, that licensees (or applicants) wish to evaluate for their own information."

NAESCo emergency response facilities will be activated in accordance with the draft Station Emergency Response Manual as appropriate to the development of the exercise scenario. Except as otherwise noted, no pre-staging will be allowed.

The onsite Assembly Area will support staffing of emergency response facilities; however, in the interest of minimizing the impact to normal station operation, additional responders will be called out from their normal work locations and requested to report to a particular facility, i.e., they will not be required to first report to the Assembly Area.

An ERO shift roster providing for 24-hour operation will be formulated.

Objective I.8: Demonstrate the ability of onshift personnel to implement the station emergency plan and to transfer appropriate emergency-related functions to other emergency response organization personnel. **[Control Room and TSC]**

Extent of Play

This objective will be demonstrated by onshift and TSC personnel in accordance with the Station Emergency Response Manual.

Objective II.1: Demonstrate the ability to mobilize the station emergency response organization and to activate station emergency response facilities during off normal work hours (6:00 pm to 4:00 am). An unannounced mobilization should be demonstrated at least once every 6 years.

This objective will not be demonstrated.

Objective II.2: Demonstrate the ability to coordinate the preparation, review and release of public information, and to provide timely and accurate information to the media and general public. **[Control Room, TSC, EOF, Media Center and JTIC]**

Extent of Play

The Control Room and/or TSC will demonstrate the review and approval of press releases, if any, which are prepared prior to EOF activation. The EOF will demonstrate preparation, review, and approval of press releases, and their subsequent transmittal to the Media Center. The Media Center will demonstrate the ability to coordinate the release of public information.

The NAESCo Media Relations Assistants at the Joint Telephone Information Center will be periodically contacted by controllers and asked a variety of questions related to the accident. Members of the local media will be invited to participate in press briefings

To avoid adversely impacting Newington Station operations or the exercise, the trailer containing Media Center equipment and supplies will be pre-staged at the Newington Town Hall.

Objective II.3: Demonstrate the use of the station fire brigade in responding to a station fire.

This objective will not be demonstrated.

Objective II.4: Demonstrate the ability of onsite personnel to respond to a contaminated medical emergency in an effective and timely manner.

This objective will not be demonstrated.

Objective II.5: Demonstrate the ability of offsite support organizations to respond to a contaminated medical emergency in an effective and timely manner.

This objective will not be demonstrated.

Objective II.6: Demonstrate the ability to assemble and monitor station evacuees.

This objective will not be demonstrated.

Objective II.7: Demonstrate the ability of station security to provide prompt station ingress and egress for emergency response equipment and support.

This objective will not be demonstrated.

Objective II.8: Reserved

Objective II.9: Demonstrate the ability to establish an effective rumor control program. **[JTIC]**

Extent of Play

This function will be demonstrated at the Joint Telephone Information Center (JTIC). The NAESCo Rumor Control Assistants will be periodically contacted by controllers and asked a variety of questions related to the accident. Updates to the Seabrook Station information line will be prepared in accordance with appropriate procedures; however, recording of the updated message will be simulated.

Objective II.10: Demonstrate use of emergency power where it is not considered a part of station safety systems.

This objective will be demonstrated. The EOF backup power generator will be started using the instructions contained in SSER Procedure ER 3.3, EOF Operations. This demonstration will be initiated by a controller message and will be performed out-of-sequence from the scenario timeline.

Objective II.11: Demonstrate decision making and planning capabilities to support an evacuation of the TSC and OSC, and relocation to backup facilities.

This objective will not be demonstrated.

Objective II.12: Demonstrate the ability to implement an ingestion exposure pathway sampling and analysis program, and to formulate associated Protective Action Recommendations for this exposure pathway.

This objective will not be demonstrated.

Objective II.13: Demonstrate the ability to mobilize and direct field monitoring teams. **[EOF]**

Extent of Play

The EOF will establish a plume-phase field survey, and sample collection and analysis program consistent with the exercise scenario conditions. Depending upon player decisions and available exercise time, some plume-phase sample analysis may be performed out-of-sequence from the main scenario timeline. Sample analysis personnel may be provided with samples to process while the Field Monitoring Teams are conducting surveys. The EOF will be assisted in the sample analysis process by the YAEC Mobile Environmental Laboratory.

Two (2) Field Monitoring Teams will be dispatched from the EOF for the purposes of monitoring and sampling. Field monitoring team members will not be required to demonstrate use of protective clothing or respiratory protection equipment. The EOF will establish appropriate contamination control measures for team access and egress.

Objective II.14: Demonstrate the capability for determining the magnitude and impact of the particular components of a release. **[TSC and EOF]**

Extent of Play

The TSC, EOF and YAEC ESC will demonstrate this objective.

Objective II.15: Demonstrate the ability to obtain and analyze appropriate post-accident samples (e.g., coolant, containment atmosphere, WRGM, etc.) .

Extent of Play

This objective will not be demonstrated.

Objective II.16: Demonstrate decision making capabilities related to the issuance of potassium iodide and, if warranted by scenario conditions and player decisions, subsequent distribution. **[TSC, OSC and EOF]**

Extent of Play

Emergency responders will evaluate KI usage in accordance with appropriate procedures and, if required to support selected response actions, authorize distribution as required. KI distribution will be simulated.

Objective II.17: Demonstrate the ability to account for all Protected Area individuals within 30 minutes of the emergency declaration and account for all Protected Area individuals continually thereafter.

This objective will be partially demonstrated.

An actual Protected Area accountability will not be demonstrated since an actual evacuation of the Protected Area will not occur. Security personnel at Guard Island will however "walk through" the accountability process and demonstrate a knowledge of its steps and requirements.

Each onsite response facility will demonstrate the ability to continuously account for onsite emergency response personnel.

Objective II.18: Demonstrate the ability of the station to develop reentry and recovery plans.

This objective will not be demonstrated.

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2.1 ERO CONTROLLER INSTRUCTIONS

GENERAL REQUIREMENTS AND GUIDANCE

1. Controllers should become familiar with the exercise scenario, appropriate implementing procedures, documentation requirements and any assignment-specific information prior to the exercise.

2. Controllers should be at their assigned locations as follows:

   Simulator: 0630
   Others except Media Center: 0745
   Media Center: 0830

3. Prior to the exercise start time, communications systems will be tested to ensure satisfactory communications between the Exercise Manager, the Facility Lead Controllers, and the Control Cell.

4. All controllers will comply with instructions from the Exercise Manager and the Facility Lead Controllers.

5. The Exercise Manager is the only individual who may authorize scenario modifications as the need arises.

6. Controllers should synchronize their watches to ensure that messages and time-related information are delivered on time. The governing clock is the actual Main Plant Computer System time display.

7. Each Facility Lead Controller will ensure that players and controllers sign an attendance sheet prior to leaving the facility. A master copy is provided as an attachment to this section; please make additional copies as needed.

8. Controllers will be provided with appropriate messages and data controlling the progress of the exercise scenario.

9. Unless otherwise instructed by the Exercise Manager or Facility Lead Controllers, all messages and data should be issued at their designated times and/or as described in the scenario package. All controllers should review their message and mini-scenario implementation responsibilities delineated in Sections 5 and 6, respectively.

10. Unless authorized by the Exercise Manager or Facility Lead Controller, controllers may not discuss the proper use of scenario data or expected responses with players.

11. Contingency Messages - These messages are designated by the letter "c". Contingency messages will be used if a participant fails to take a major expected action. The Controller will give the contingency message to the designated participant and explain in as much detail as necessary what actions the participant is expected to perform. Contingency messages are used to keep the exercise on schedule. If there is a necessity to use a contingency message, the situation should be discussed with the Facility Lead Controller prior to issuance.

12. Controllers should ensure that contact between participants and observers (visitors) is minimized. This may include the establishment of visitor areas in the emergency response facilities. Additionally, the OSC Lead Controller should clearly identify the OSC "play" area within the Health Physics Access Control Point.

13. Some exercise players may insist that certain parts of the scenario are unrealistic. Facility Lead Controllers will clarify any questions that may arise during the exercise.

14. Any inquiries originating from the general public or news media as a result of exercise activities should be immediately passed to the Exercise Manager who will notify the appropriate public information personnel.

15. Each controller should take detailed notes regarding the progress of the exercise and the responses of the players. These notes should be recorded on a Drill/Exercise Controller Log. A master copy is provided as an attachment to this section; please make additional copies as needed. Controllers should refrain from including unsupported opinions or conjecture in exercise notes.

16. Exercise participants and controllers will comply with all Federal, State and local laws. More specifically, traffic laws, such as speed limits, will be observed. Additionally, exercise personnel will adhere to all station access, safety and health physics requirements.

17. Exercise participants and visitors will avoid endangering public or private property, members of the general public, or the environment. It is the responsibility of all players, controllers and evaluators to correct any unsafe conditions that arise during the exercise.

18. Controllers, evaluators, observers and visitors will be required to wear appropriate identification badges. These badges will be provided either prior to the exercise, or upon entry to a facility.

EXERCISE SUSPENSION AND TERMINATION POLICY

1. The exercise may be terminated under any of the following conditions:

   a. All objectives are satisfactorily demonstrated;
   b. An actual onsite or offsite emergency develops; and/or
   c. Available time has expired.

2. The following personnel may request temporary suspension or termination of the onsite portion of the exercise:

   a. On-duty Shift Manager
   b. Unit Director
   c. NU Executive Management
   d. Lead NRC Evaluator

3. Decisions to temporary suspend or terminate an exercise should be coordinated through the NAESCo Exercise Manager.

SUBSEQUENT EXERCISE ACTIVITIES

Following termination of the exercise, players should be directed to restore facilities to their original state of readiness. Controllers should use this time to summarize their observations and provide these to the Facility Lead Controller. Facility Lead Controllers will then lead a critique of exercise activities at their assigned emergency response facility. Prior to beginning a critique, controllers should distribute (or otherwise make available) copies of EPDE Form B, Seabrook Station ERO Comment Form, to all players.

Critiques should last a maximum of 30 minutes. Controllers should attempt to disposition as many comments as possible, but avoid commitments that are beyond the authority of the controller organization.

Facility Lead Controllers should collect all player-generated documents, Drill/Exercise Controller Logs, participant attendance sheets, and completed ERO Comment Forms. They should provide this material to the Exercise Manager by the close of business on September 18. Additionally, Lead Controllers should also furnish a brief verbal or written summary of exercise highlights and key issues to the Exercise Manager by the close of business on September 18.

CONTROL CELL

For this exercise, the ERO Control Cell will exist in the following location:

All Non-NRC Contacts - Kathy Burgess's workstation at the Connecticut Yankee site.

Refer to Mini-Scenario 6.1.4 for further information. The telephone extension for this position is provided in the ERO Controller Telephone Directory.

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ERO CONTROLLER ORGANIZATION

Simulator Control Room

Command and Control	David Young
Operations	Ed Spader
Simulator Operator	Marlin Boyle

Technical Support Center

Command and Control	Jerry Peterson
Technical Assessment	Skip Gehrke
Radiological Assessment	Dennis Pachulski

Operational Support Center

Command and Control	Cliff Berry
Emergency Repair Team	John Watson (Millstone)
Emergency Repair Team	Dennis Emborsky (Millstone)
Emergency Repair Team	Mike McNamara
Emergency Repair Team	Bill Holman
Chem Lab/PASS Team	Lloyd Tardiff

Inprocessing Center

Command and Control	Mike Makowicz

Guard Island

Command and Control	Dick Messina

Emergency Operations Facility/Control Cell

Command and Control	Pete Stroup
Technical Assessment	Dan Aloi (Millstone)
Radiological Assessment	Steve Dodge
Field Team No. 1	Dot Chorlian
Field Team No. 2	Lynn Satterfield
Control Cell Contacts	Kathy Burgess (CY)

1996 EXERCISE
ERO CONTROLLER ORGANIZATION
(continued)

Media Center/JTIC

MC Command and Control	Rob Williams
JTIC Command and Control	Steve Buchwald
MR/RC Callers & Media Representatives	Bob Nicholson
	Bob Boyd
	Jan Felix
	John Miranda
	Geryl Jasinski

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SUGGESTED ERO CONTROLLER READING

Control Room Simulator

Command and Control	ER 1.1 and 1.2
Operations	ER 1.1 and 1.2
Simulator Operator	None

Technical Support Center

Command and Control	ER 1.1 and 3.1
Accident Assessment	ER 3.1
Radiological Assessment	ER 3.1, 5.4 and 5.7

Operational Support Center

Command and Control	ER 3.2 and 4.3
Emergency Repair Team	ER 3.2
Chem Lab/PASS Team	ER 3.2

Inprocessing Center

Command and Control	ER 3.6

Guard Island

Command and Control	GN1332.00

Emergency Operations Facility/Control Cell

Command and Control	ER 3.3
Accident Assessment	ER 3.3
Radiological Assessment	ER 3.3, 5.2, 5.3 and 5.4
Field Teams	ER 3.3 and ER 5.2
Control Cell Contacts	ER 3.3

Media Center/JTIC

MC Command and Control	ER 3.5
JTIC Command and Control	ER 3.5
Media Relations/Briefings	ER 3.5
MR/RC Caller	ER 3.5

ERO CONTROLLER TELEPHONE DIRECTORY

SIMULATOR CONTROL ROOM	
David Young	x 2994
CONTROL ROOM	
Jerry Peterson	x 4086
Telecopier	x 4087
TSC	
Jerry Peterson	x 3964
Telecopier	x 4090
OSC	
Cliff Berry	x 3688
INPROCESSING CENTER	
Mike Makowicz	x 3875
GUARD ISLAND	
Dick Messina	x 4007
EOF	
Pete Stroup	x 4197 or 433-1440
MEDIA CENTER	
Rob Williams	433-0443 or 433-0461 (Page 771-2461)
ITIC	
Steve Buchwald	433-5715
CONTROL CELL	
Kathy Burgess	(203) 267-3972 or 89-8-713-3972
YNSD ESC	
Ed Hartnett	81-856-2440 or (508) 779-6711 x2440

1996 EXERCISE
ERO PLAYER TELEPHONE DIRECTORY

EXTERNAL ORGANIZATIONS

1. **American Nuclear Insurers** - (203) 267-3972

2. **INPO** (except Nuclear Network) - (203) 267-3972

3. **National Weather Service** - Contacts should be made to the actual NWS office.

4. **Nuclear Energy Institute** - (203) 267-3972

5. **NRC Emergency Notification System (ENS)** - Contacts should be made to the NRC.

6. **NRC Health Physics Network (HPN)** - Contacts should be made to the NRC.

7. **PSNH Control Center** - See guidance below.

   a. Contacts related to an emergency declaration or weather forecast information should be made to the actual PSNH Control Center.

   b. Contacts for information concerning scenario events should be directed to a controller at (203) 267-3972.

8. **State Notifications** - Use actual group call numbers

   From Control Room - 555
   From EOF - 666

9. **Westinghouse** - (203) 267-3972

10. **Other Vendor Contacts** - (203) 267-3972

NORTH ATLANTIC ERO POSITIONS

1. **Chemistry Coordinator** - (603) 474-9521 x 3967

2. **SCRO (3 way link to TSC/OSC)** - (603) 474-9521 x 2991

3. **Shift Manager** - (603) 474-9521 x 2608

4. **TSC Work Control Coordinator** - (603) 474-9521 x 3952

5. **Unit Shift Supervisor** - (603) 474-9521 x 2992

VISITOR C\BSERVATION RULES

1. The visitor should request access to a facility at least one week prior to the exercise. Access requests for NAESCo ERO facilities should be directed to the NAESCo Emergency Preparedness Department. Requests to visit New Hampshire, Massachusetts or Maine facilities should be addressed to the director of the respective State emergency management agency.

2. The visitor is the responsibility of an assigned escort while on the premises. The visitor shall comply with these instructions and any direction from the escort or Facility Lead Controller.

3. Visitors must comply with security requirements at the facility during the exercise, including sign-in and sign-out requirements. Violation or infraction of security requirements, or any other visitor rules, may result in the visitor's expulsion from the facility.

4. Visitors will be required to wear proper identification badges at all times.

5. Unless approved in writing in advance, no photography or taping of exercise events by visitors will be permitted. Note taking is acceptable. Visitors may not take any exercise-related documentation (or copies thereof).

6. Visitors may not question, interrupt or disturb participants during the course of the exercise. Visitors should not block hallways or use any equipment (including telephones) without permission. This requirement is best summarized as "Stay out of the way".

7. The number of visitors to a facility may be limited, or in some cases visitation will be prohibited, due to facility size or other constraints.

8. Visitors will not be allowed to travel in any exercise-related vehicle or other transportation device used during the exercise.

9. The Exercise Manager has final authority regarding visitor access, conduct and expulsion.

DRILL/EXERCISE CONTROLLER LOG

Drill/Exercise: 1996 Exercise Drill/Exercise Date: 9/18/96

Controller's Name (print): _____

Controller's Location/Assignment: _____

Observations should include the proper and effective use of procedures, equipment and personnel. Comments concerning exercise performance should document: the time of observation, personnel or equipment involved, procedures involved, and the impact that the condition had on the ability of the player organization to meet its objectives.

TIME	OBSERVATION

Page _____ of _____

DRILL/EXERCISE ATTENDANCE ROSTER

Drill/Exercise: 1996 Exercise

Drill/Exercise Date: 9/18/96

Facility/Location: _____

NAME (Please Print)	BADGE No.	COMPANY	PLAYER/ CONTROLLER	ASSIGNMENT	SIGNATURE

SEABROOK STATION ERO COMMENT FORM

Page _____ of _____

Name (PLEASE PRINT): _____ Ext. _____ Mail Code: _____

ERO Assignment : _____ Reporting Location: _____

Course/Drill/Exercise Title: 1996 Exercise

Comments/Suggestions (PLEASE BE SPECIFIC OR YOUR COMMENT MAY NOT BE ADEQUATELY REVIEWED):

_____

_____

_____

_____

_____

Do you wish to receive a reply (optional): ___ Yes ___ No

Forward to: Emergency Preparedness - 04/44

Response: _____

_____

_____

_____

This item is : ___ Open and is being tracked to completion as shown below

___ Is considered closed

EP PERSONNEL USE ONLY

IIL NO.	CODE	BIP	COMMENT NO.	ASSIGNED TO	DUE DATE

NORTH ATLANTIC

SEABROOK STATION

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3.0 SEQUENCE OF EVENTS

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

3.1 DETAILED SCENARIO DESCRIPTION

REAL TIME	ELAPSED TIME	EVENT NUMBER	DETAILED SCENARIO DESCRIPTION	MESSAGE NUMBER

Initial Conditions

The exercise date is assumed to be September 18, 1996.

On-site personnel are limited to the normal weekday compliment. The station is operating at 100 percent power with rod control in the automatic mode. The station has been operating at or above 90% power since completion of OR-04 and is in the middle of cycle 5 core life. All plant parameters are normal except for those identified below.

An RCS leak was detected this morning at approximately 0600 hours. The leakage rate is steady and has been determined to be about 4 gpm by the computer leak rate detection program. Operations has decided to assemble a Containment entry team to identify and possibly isolate the leak. At this time the Containment entry team is about to enter Containment.

Operators are in step 2 of Control Room Procedure OS1201.02, RCS Leak, at time of turnover.

SIMULATOR:
Insert RCS Leak; ramp = 1; size = 4 gpm.

Unknown to any site staff member, prior maintenance work has resulted in the installation of defective thermal overload protection heaters in the thermal overloads for containment sump suction valves V8 & V14.

Refer to Mini-Scenario 6.1.1. for further information.

SIMULATOR:
Insert Failure of CTMT Sump Suction Valves V8 & V14.

Containment Building Spray (CBS) Pump P-9A was tagged Out of Service at 1800 yesterday to replace a pump thrust bearing. It is expected to be returned to service early this afternoon.

Refer to Mini-Scenario 6.1.2. for further information.

SIMULATOR:
"A" CBS System tagged out for maintenance.

Control Building Emergency Ventilation Fan CBA-FN-16A was tagged Out of Service at 2000 yesterday for replacement of the fan motor. It is expected to be returned to service by mid-morning.

Refer to Mini-Scenario 6.1.3. for further information.

SIMULATOR: Rackout CBA-FN-16A
CBCS5318,,1 (puts CS in off)
CBAZL5318G (green lamp off)
CBAZL5318R (red lamp off).

In order to allow adequate time to assimilate this information and answer any related questions, players will be provided with the scenario Initial Conditions on Monday, September 16.

Initial Meteorological Conditions

All meteorological conditions will be provided by controllers. It is an overcast day with winds from the east at about 8 mph. Current temperature is 65° F.

Detailed Scenario Timeline

0700	H-01:00	1	Initial Conditions are provided to Simulator players.	ERO1
Upon Arrival			Initial conditions will be provided to non Control Room personnel as they respond to their assigned facilities. NOTE: As appropriate, Controllers may inform players of the following initial core parameters when requested: Avg. Core Burnup = 9,950 MWD/MTU Effective Full Power Days = 262	ERO2
0800	H+00:00		Initial conditions established; exercise begins.	
0805	H+00:05		Containment Entry Team reports that they can see evidence of a steam plume inside the missile barrier rising up between the B and C Steam Generators at the 0 foot elevation. **NOTE:** The Containment Entry Team will be simulated by an OSC Controller. **Refer to Mini-Scenario 6.1.5 for further information.**	ERO3
0810	H+00:10	2	The leak rate increases to a steady 85 gpm. The Containment team witnesses the change. The operators notice the increase as well and sound the Containment evacuation alarm. The Containment team reports the change in status to the Control Room and that they are in the process of evacuating. SIMULATOR: Increase RCS Leak Flow; ramp = 1; size = 85 gpm. The Shift Manager will assess accident conditions, declare an Alert and assume the role of Short Term Emergency Director (STED).	ERO4G ERO5

Subsequent Control Room actions are specified in SSER Procedure ER 1.2, Emergency Plan Activation. The STED will turn over command and control responsibilities to the Site Emergency Director (SED).

The Technical Support Center will activate and perform subsequent duties in accordance with SSER Procedure ER 3.1, TSC Operations. The SED maintains control of onsite response actions from the TSC.

The Operational Support Center will activate and perform subsequent duties in accordance with SSER Procedure ER 3.2, OSC Operations

The Emergency Operations Facility will activate and perform subsequent duties in accordance with SSER Procedure ER 3.3, EOF Operations. The Response Manager assumes overall command and control of the NAESCo ERO.

The Media Center and Joint Telephone Information Center will activate and perform subsequent duties in accordance with SSER Procedure 3.5, Media Center/Joint Telephone Information Center.

Following Media Center and JTIC activation, a series of media relations and rumor control messages will be used by controllers for the duration of the exercise.

Station non-essential personnel are evacuated and accountability is conducted. These activities will be simulated for this exercise, and will be controlled primarily from Guard Island in accordance with Security Procedure GN1332.00, Security Response to a Declared Radiological Emergency.

The onsite assembly area at the In-processing Center will activate and perform subsequent duties in accordance with SSER Procedure ER 3.6, Assembly Area Operations. Activation will be simulated for this exercise as discussed in Section 2.1, ERO Objective I.7.

			Following the Alert declaration, assigned Controllers should **Refer to Mini-Scenario 6.1.4. for further information** regarding Non-State ERO interfaces.	
0820	H+00:20	3	If no emergency declaration has been made or is pending, the Shift Manager will be directed to declare an **ALERT** in accordance with Procedure ER 1.1, Initiating Condition 15c, Reactor Coolant Leak Greater Than 50 gpm.	ERO6C
~0825	H+00:25		After observing the increasing trend on Containment pressure indications, operators decide to trip the reactor. Upon the trip, operators will enter emergency procedure E-0, Reactor Trip or Safety Injection.	
0830	H+00:30		Upon closing the inner hatch both of the air lock o-rings are partially dislodged from their grooves. The team is able to close and lock the door unaware there is anything wrong. In the process of exiting the outer hatch door, the hydraulic system that closes the locking ring develops a leak at one of the fittings. Unknown to the team, this prevents the outer door from locking. The Control Room is alerted that the team has successfully exited Containment.	ERO7
After NWS is Contac-ted			This message provides forecasted meteorological information from the National Weather Service.	ERO8
1000	H+02:00	4	The RCS leakage rate increases to 1,000 gpm. **SIMULATOR**: Increase size of RCS leak flow; ramp = 1; size = 1,000 gpm. **NOTE:** Based on current conditions and associated procedural requirements, NAESCo should not issue PARs at this time.	

1015	H+02:15	5	If no emergency declaration has been made or is pending, the Site Emergency Director will be directed to declare a **SITE AREA EMERGENCY** in accordance with Procedure ER 1.1, Initiating Condition 15d, Loss of Reactor coolant with ECCS Required.	ERO9C
1140	H+03:40	6	The RCS leakage increases to design basis leak flow rate (large break LOCA). The inner containment hatch door seals are forced into the air lock, thus pressurizing the air lock. The opening caused by the degraded seals is about 10 square inches in area. **SIMULATOR**: Increase size of RCS leak flow; ramp = 1; size = design basis leak rate.	ERO10G
1200	H+04:00	7	Coolant injection and the resulting reactor cooldown proceeds normally until the RWST reaches a level of 125,000 gallons and operators initiate a swap over to cold leg recirculation mode core cooling. Operators transition to emergency procedure ES 1.3, Transfer to Cold Leg Recirculation. At this point, containment sump suction isolation valves V8 & V14 fail to open due to improper thermal overload relays installed during the previous refueling outage. Operators acknowledge the failure and proceed to Emergency Contingency Action (ECA) Procedure 1.1, Loss of Emergency Coolant Recirculation. **SIMULATOR**: Control heat-up rate to ensure that incore thermocouple temperatures do not exceed 1100 degrees F.	ERO11G

1205	H+04:05	8	Due to the leak of fluid, the hydraulic closing mechanism of the outer Containment hatch has now become disabled. As a result, the outer door gives way to pressure which has built up in the air lock and the appropriate alarms are received in the control room. A radiological release will now begin via the Containment hatch to the West Mainsteam and Feedwater Pipe Chase. The release to the environment will occur via the fixed louvers on top of the chase. This results in an un-monitored, ground level release. **SIMULATOR**: Insert Containment outer hatch open alarm. VAS D5636, "Personnel Hatch Problem" Based on current conditions, and associated procedural requirements, NAESCo should issue the following PARs at this time. **CLOSE**: Salisbury Beach, Plum Island Beach and Parker River National Wildlife Refuge. **SHELTER:** In New Hampshire, Hampton, North Hampton, Brentwood, East Kingston, Kingston, Exeter, Newfields, Newton, Greenland, Stratham, Rye, New Castle and Portsmouth. In Massachusetts, Merrimac, Newburyport, Newbury, and West Newbury. **EVACUATE:** In New Hampshire, Seabrook (including the beach), Hampton Beach, Hampton Falls, Kensington and South Hampton. In Massachusetts, Amesbury and Salisbury.	ERO12G
As needed			In order to ensure continuity of expected response actions, this message will provide an upper bound on the estimation of an assumed containment hole diameter.	ERO13
1215	H+04:15	9	If no emergency declaration has been made or is pending, the Site Emergency Director will be directed to declare a **GENERAL EMERGENCY** in accordance with Procedure ER-1.1, Initiating Condition 15f, Loss of Emergency Coolant Recirculation.	ERO14C

1245	H+04:45	10	Emergency Repair Team efforts to repair the problem with the containment sump suction isolation valves prove successful and the valves are returned to service. **SIMULATOR**: Remove Failure to Sump Recirculation Valves V8 & V14.	
As Played			Operation of the Containment Building Spray System continues reducing Containment pressure and the associated radiological release rate through the personnel hatch. Should players decide to pursue re-closing the outer hatch, emergency repair team efforts prove to be successful. Radiological releases to the environment would then begin to diminish rapidly. **SIMULATOR**: Remove Open indication for Outer Containment Hatch.	
1400	H+06:00		As discussed in Section 2.1, ERO Objective II.10, a Command Message will be issued to the EOF Technical Assistant to direct a member of the Training Center Staff to start the EOF diesel and run it unloaded. He will perform these actions in accordance with Procedure ER 3.3, EOF Operations.	ERO15
1445	H+06:45	11	Exercise play is terminated as directed by the Exercise Manager. Emergency response facility managers are directed to begin deactivation and restoration of their respective facilities.	ERO16
1500	H+07:00	12	Controllers commence critiques at each emergency response facility.	N/A
1530	H+07:30		All exercise participants are dismissed.	N/A

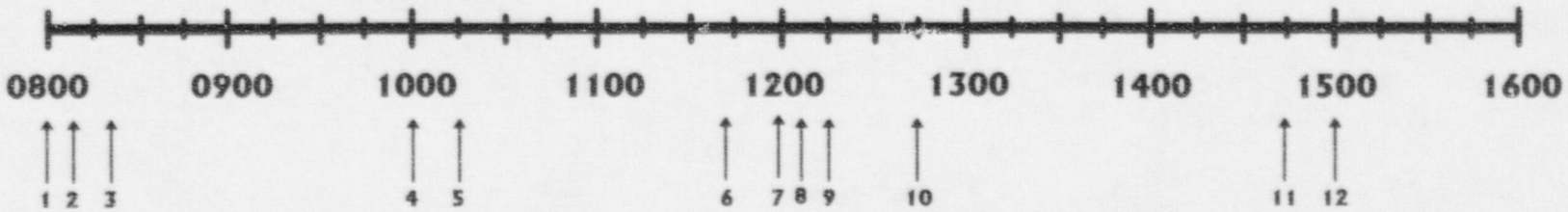
NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

4.0 ORGANIZATIONAL RESPONSE TIMELINES

1996 GRADED EXERCISE
ERO EVENT TIMELINE



1. Initial Conditions Established. Small RCS Leak Inside Containment.
2. RCS Leak Rate Increases To 85 GPM.
3. ALERT Declared - Initiating Condition 15c, Reactor Coolant Leak Greater Than 50 GPM.
4. RCS Leakage increases to 1,000 gpm.
5. Site Area Emergency Declared - Initiating Condition 15d, Loss Of Reactor Coolant With ECCS Required.
6. RCS Leakage Increases to Design Basis Leak Flow Rate.
7. Swap Over To Cold Leg Recirculation Mode Core Cooling Fails. V8 & V14 Fail to Open.
8. Containment Hatch Gives Way Resulting In A Radiological Release To The Environment.
9. General Emergency Declared - Initiating Condition 15f, Loss Of Emergency Coolant Recirculation. PAR Group A Recommendation Issued.
10. Containment Sump Recirculation Valvel V8 & V14 Opened. Recirculation Mode Core Cooling is Established.
11. Exercise Is Terminated. Start Facility Clean-Up.
12. Begin Facilitiy Critiques.

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

5.0 MESSAGES

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

5.1.1 ERO MESSAGES

ERO MESSAGE IMPLEMENTATION KEY
1996 GRADED EXERCISE

MESSAGE	TIME	RESPONSIBILITY
ERO1	0700	D. L. Young
ERO2	See Message	All Controllers as needed
ERO3	0805	CTMT Entry Controller
ERO4G	0810	E. A. Spader
ERO5	0810	CTMT Entry Controller
ERO6C	0820	D. L. Young
ERO7	0830	CTMT Entry Controller
ERO8	See Message	S. L. Dodge
ERO9C	1015	J. L. Peterson
ERO10G	1140	E. A. Spader
ERO11G	1200	E. A. Spader
ERO12G	1205	E. A. Spader
ERO13	See Message	S. L. Dodge
ERO14C	1215	J. L. Peterson
ERO15	1400	D. G. Aloi
ERO16	1445	ERO ERF Lead Controllers

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO1 TIME: 0700

TO: Control Room Personnel

FROM: Station Logs, Instrumentation and General Knowledge

LOCATION: Simulator Control Room

********** THIS IS A DRILL **********

The exercise date is assumed to be September 18, 1996.

On-site personnel are limited to the normal weekday compliment. The station is operating at 100 percent power with rod control in the automatic mode. The station has been operating at or above 90% power since completion of OR-04 and is in the middle of cycle 5 core life. All plant parameters are normal except for those identified below:

An RCS Leak was detected this morning at approximately 0600 hours. The leakage rate is steady and has been determined to be about 4 gpm by the computer leak rate detection program. Operations has decided to assemble a Containment entry team to identify and possibly isolate the leak. At this time the Containment entry team is about to enter Containment.

Operators are in step 2 of Control Room Procedure OS1201.02, RCS LEAK Abnormal, at time of turnover.

Containment Building Spray (CBS) Pump P-9A was tagged Out of Service at 1800 yesterday to replace a pump thrust bearing. It is expected to be returned to service early this afternoon.

Control Building Emergency Ventilation Fan CBA-FN-16A was tagged Out of Service at 2000 yesterday for replacement of the fan motor. It is expected to be returned to service by mid-morning.

It is an overcast day with winds coming from the East at about 8 mph. Current temperature is 65° F.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO2 TIME: Upon Arrival

TO: Non-Control Room Personnel

FROM: General Knowledge

LOCATION: ERFs

********** THIS IS A DRILL **********

The exercise date is assumed to be September 18, 1996.

On-site personnel are limited to the normal weekday compliment. The station is operating at 100 percent power with rod control in the automatic mode. The station has been operating at or above 90% power since completion of OR-04 and is in the middle of cycle 5 core life. All plant parameters are normal except for those identified below:

An RCS Leak was detected this morning at approximately 0600 hours. The leakage rate is steady and has been determined to be about 4 gpm by the computer leak rate detection program. Operations has decided to assemble a Containment entry team to identify and possibly isolate the leak. At this time the Containment entry team is about to enter Containment.

Operators are in step 2 of Control Room Procedure OS1201.02, RCS LEAK Abnormal, at time of turnover.

Containment Building Spray (CBS) Pump P-9A was tagged Out of Service at 1800 yesterday to replace a pump thrust bearing. It is expected to be returned to service early this afternoon.

Control Building Emergency Ventilation Fan CBA-FN-16A was tagged Out of Service at 2000 yesterday for replacement of the fan motor. It is expected to be returned to service by mid-morning.

It is an overcast day with winds coming from the East at about 8 mph. Current temperature is 65° F.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO3 TIME: 0805

TO: Unit Shift Supervisor

FROM: Containment Entry Team Leader
(Controller)

LOCATION: Simulator Control Room

********** THIS IS A DRILL **********

This is Containment Entry Team leader *{state your name}*.

We can see evidence of a steam plume inside the missile barrier rising up between the B and C Steam Generators at the 0 foot elevation. This is as close as we can narrow it down to a specific release point.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO4G TIME: 0810

TO: Control Room Personnel

FROM: Control Room Instrumentation

LOCATION: Simulator Control Room

********** THIS IS A DRILL **********

The following annunciators are received:

PZR LEVEL DEVIATION LOW
MASTER PRESS CTLR OUTPUT LO

Concurrently with the following VAS alarms:

D4327 PZR PRESSURE LOW & BU HTRS ON
D4435 PRESSURIZER LEVEL DEVIATION LOW
D4461 PZR LVL LOW & HTR INTERLOCK ACTUATED

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO5 TIME: 0810

TO: Unit Shift Supervisor

FROM: Containment Entry Team Leader
(Controller)

LOCATION: Simulator Control Room

********** THIS IS A DRILL **********

{SAY WITH EMPHASIS} **This is the Containment Entry Team Leader** *{state your name}*.

There has been a significant change in the amount of steam being released. We are very concerned for our safety and are evacuating. We will call back once we have safely exited the containment.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ER06C TIME: 0820

TO: Shift Manager

FROM: Simulator Lead Controller

LOCATION: Simulator Control Room

********** THIS IS A DRILL **********

Events warrant that an ALERT be declared in accordance with Procedure ER 1.1, Initiating Condition 15c, Reactor Coolant Leak Greater Than 50 GPM.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO7 TIME: 0830

TO: Unit Shift Supervisor

FROM: Containment Entry Team Leader
(Controller)

LOCATION: Simulator Control Room

********** THIS IS A DRILL **********

This is the Containment Entry Team Leader *{state your name}*.

The Containment Entry Team has successfully exited the containment.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO8 TIME: After NWS is contacted

TO: Dose Assessment Specialist

FROM: Radiological Assessment Controlier

LOCATION: Emergency Operations Facility

********** THIS IS A DRILL **********

For exercise purposes, the current National Weather Service forecast is as follows:

Today will be a seasonable late summer day with high temperatures making it into the low to mid 70s. Skies will be overcast all day. Light winds from the East are expected to persist throughout the day. There is a slight chance of light precipitation late in the day.

Thursday . . . cloudy with a chance of afternoon or early evening showers or thunderstorms. Lows in the lower to mid 60s. Highs in the low to mid 70s.

Friday . . . mostly cloudy with a slight chance of showers in the morning. Skies will be clearing by late in the afternoon. Lows in the upper 50s to lower 60s. Highs in the mid 70s to 80.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO9C TIME: 1015

TO: Site Emergency Director

FROM: TSC Lead Controller

LOCATION: TSC

********** THIS IS A DRILL **********

Events warrant that a SITE AREA EMERGENCY be declared in accordance with procedure ER 1.1, Classification of Emergencies, Initiating Condition 15d, Loss of Reactor Coolant with ECCS Required.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO10G TIME: 1140

TO: Control Room Personnel

FROM: Control Room Instrumentation

LOCATION: Simulator Control Room

********** THIS IS A DRILL **********

The following annunciators are received in the Control Room:

CONTAINMENT SPRAY TRAIN A/B ACTUATION
ACCUM PRESS HI/LO

Concurrently with the following VAS alarms:

4913 CBS ACTUATION SIGNAL
4915 P SIGNAL CONTM PHASE B ISOLATION

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO11G TIME: 1200

TO: Control Room Personnel

FROM: Control Room Instrumentation

LOCATION: Simulator Control Room

********** THIS IS A DRILL **********

The following Annunciator is received:

RWST LEVEL LO-LO

The following "COLD LEG RECIRCULATION" status lights are NOT lit:

At UL-2 (Train B): "CBS-V14 RECIRC SUMP OPEN"
At UL-4 (Train A): "CBS-V8 RECIRC SUMP OPEN"

NEITHER the red or green light is lit on the following handswitches:

"CBS-V8 (MOV) RECIRC SUMP A ISO SI/RWST LO/LO-OPEN"

"CBS-V14 (MOV) RECIRC SUMP B ISO SI/RWST LO/LO-OPEN"

Efforts to obtain a red or green status light indication on either of these proves to be unsuccessful.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO12G TIME: 1205

TO: Control Room Personnel

FROM: Control Room Instrumentation

LOCATION: Simulator Control Room

********** THIS IS A DRILL **********

The following VAS alarm has been received:

D5656 PERSONNEL HATCH PROBLEM

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO13 TIME: As Needed

TO: Technical Assistant, EOF Coordinator and Dose Assessment Specialist

FROM: EOF Technical Assessment and Radiological Assessment Controllers.

LOCATION: Emergency Operations Facility

********** THIS IS A DRILL **********

In order to maintain exercise scenario continuity, DO NOT use an estimated hole diameter in excess of 0.5 feet for performing METPAC runs.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO14C TIME: 1215

TO: Site Emergency Director

FROM: TSC Lead Controller

LOCATION: TSC

********** THIS IS A DRILL **********

Events that warrant that a GENERAL EMERGENCY be declared in accordance with Procedure ER 1.1, "Classification of Emergencies", Initiating Condition 15f, Loss of Emergency Coolant Recirculation.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO15 TIME: 1400

TO: EOF Technical Assistant

FROM: EOF Technical Assessment Controller

LOCATION: Emergency Operations Facility

********** THIS IS A DRILL **********

In order to demonstrate a required exercise objective, direct a Training Center Staff member to start the EOF diesel Generator.

The generator is NOT to be loaded. Follow the instructions of the EOF Technical Assessment Controller.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO16 TIME: 1445

TO: ERO ERF Lead Managers

FROM: ERO ERF Lead Controllers

LOCATION: ERO ERFs

********** THIS IS A DRILL **********

Exercise play is terminated. Direct the deactivation and restoration of your emergency response facility. A facility critique will commence in approximately 15 minutes. Follow the instructions of your facility Lead Controller.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

5.1.2 ERO MEDIA RELATIONS MESSAGES

1996 EXERCISE
ERO MEDIA RELATIONS MESSAGE IMPLEMENTATION KEY

MESSAGE	TIME
ERO-MR-1	Optional after first Alert press release
ERO-MR-2	Optional after first Alert press release
ERO-MR-3	Optional after first SAE press release
ERO-MR-4	Optional after first SAE press release
ERO-MR-5	Optional after first GE press release
ERO-MR-6	Optional after first GE press release
ERO-MR-7	Optional anytime
ERO-MR-8	Optional anytime
ERO-MR-9	Optional anytime
ERO-MR-10	Optional anytime
ERO-MR-11	Optional anytime
ERO-MR-12	Optional anytime
ERO-MR-13	Optional anytime
ERO-MR-14	Optional anytime
ERO-MR-15	Optional anytime
ERO-MR-16	Optional anytime
ERO-MR-17	Optional anytime
ERO-MR-18	Optional anytime
ERO-MR-19	Optional anytime
ERO-MR-20	Optional anytime
ERO-MR-21	Optional anytime
ERO-MR-22	Optional anytime
ERO-MR-23	Optional anytime
ERO-MR-24	Optional anytime
ERO-MR-25	Optional anytime
ERO-MR-26	Optional anytime
ERO-MR-27	Optional anytime
ERO-MR-28	Optional anytime
ERO-MR-29	Optional anytime
ERO-MR-30	Optional anytime
ERO-MR-31	Optional anytime
ERO-MR-32	Optional anytime
ERO-MR-33	Optional anytime
ERO-MR-34	Optional anytime
ERO-MR-35	Optional anytime

GENERAL INSTRUCTIONS FOR USE OF PRE-SCRIPTED and FREE PLAY MEDIA RELATIONS MESSAGES

The pre-scripted messages contained in this section provide a basis for a minimum number of calls to be made during the exercise. It is intended, however, that the Control Cell controllers responsible for implementing these messages create some of their own as the exercise progresses, so called "free-play" messages. Many sources of information for the formulation of free-play messages are not available at the time of scenario development and can only be utilized by controllers during the exercise. Examples include:

1. The content of press releases
2. The content of EBS messages
3. Information disseminated during news briefings
4. Responses from media relations and rumor control assistants to the pre-scripted messages contained in this section

Additionally, since many controllers are assigned to monitor the function to which they are normally assigned as a responder, they are able to devise reasonable and likely messages that did not occur to the scenario developers. With this in mind, please observe the following guidelines for use of the pre-scripted messages, and formulation and use of free-play messages:

PRE-SCRIPTED

1. Divide these messages evenly among the available controllers.

2. Messages may be used verbatim more than once, provided that they are directed to different players.

3. Messages can be modified to ask for different information related to the message topic.

4. Some messages can be used more than once by simply changing the home town or location of the caller. Remember, some callers should be from Massachusetts, some from New Hampshire, some in the EPZ, some outside the EPZ, some residents of towns that have been evacuated, some sheltered, etc.

5. Even though messages marked as "Optional anytime" may be generally used as such, controllers should read all message content prior to placing a call to ensure that it is appropriate to the then current scenario conditions.

FREE-PLAY

1. Use copies of the "Media Relations/Rumor Control Free-Play Call Information" form to document these types of calls. A master copy of the form is provided in this section of the scenario package. Make copies prior to the exercise.

2. Use the following guidelines for form completion:

    a. CONTROLLER - Your name.

    b. RESPONDING ORG - Organization to whom your call will be directed.

    c. CALL FOR - Check one as appropriate.

    d. CALLER'S NAME - Make up a name.

    e. CALLER'S NEWS ORG - Make up for calls to Media Relations personnel. Examples are WMUR-TV, Manchester, NH, WBUR radio, Boston, MA, Foster's Daily Democrat, Dover, NH.

    f. CALLER'S LOCATION - Make up as appropriate.

    g. CALLER'S HOME TOWN - Make up for calls to Rumor Control personnel.

3. A trend involves similar rumor content in at least 3 messages. Recognition of a trend will prompt certain actions on the part of public information personnel to use the media to correct the erroneous information. Obtain Media Center Lead Controller approval before initiating any trends.

4. Controllers should exercise discretion when creating new messages; keep them realistic, credible and within the context of the scenario. When in doubt, check with your Media Center Lead Controller.

WHERE TO CALL

Controllers should alternate their calls between Media Relations and Rumor Control. The telephone numbers are:

Media Relations - (800) 458-2408

Rumor Control - (800) 458-2407

MEDIA RELATIONS/RUMOR CONTROL
FREE-PLAY CALL INFORMATION

CONTROLLER: _____ DRILL/EX: 1996 Exercise

RESPONDING ORG: X ERO _____ NH _____ MA

CALL FOR: _____ Media Relations _____ Rumor Control

CALLER'S NAME: _____

CALLER'S NEWS ORG: _____

CALLER'S LOCATION: _____

CALLER'S HOME TOWN: _____

MESSAGE/QUESTION/REQUEST: _____

_____

_____

_____

PLAYER RESPONSE: _____

_____

_____

_____

TIME CALL COMPLETED: _____ AM/PM

Responding player: _____

IS PLAYER CALLBACK REQUIRED: ____ NO ____ YES

WAS A CALLBACK RECEIVED: _____ NO _____ YES TIME: _____ AM/PM

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-1 TIME: After First Alert Press Release

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used after the first Alert press release has been issued. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

What does an Alert mean?

Where does this definition that you provided come from?

What caused the Alert to be declared?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

_____

_____

_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-3 TIME: After First SAE Press Release

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used after the first Site Area Emergency press release has been issued. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

What does a Site Area Emergency mean?

Where does this definition that you provided come from?

What caused the Site Area Emergency to be declared?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

_____

_____

_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-4 TIME: After First SAE Press Release

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used after the first Site Area Emergency press release has been issued. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

When was the Site Area Emergency declared?

Who makes the determination that a Site Area Emergency should be declared?

What and where is the criteria for declaring a Site Area Emergency?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

_____

_____

_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-5 TIME: After First GE Press Release

TO: Media Relations Assistant

FROM: ___ _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used after the first General Emergency press release has been issued. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

What does a General Emergency mean?

Where does this definition that you provided come from?

What caused the General Emergency to be declared?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

_____

_____

_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-6 TIME: After First GE Press Release

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used after the first General Emergency press release has been issued. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

When was the General Emergency declared?

Who makes the determination that a General Emergency should be declared?

What and where is the criteria for declaring a General Emergency?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

_____

_____

_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-7 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Has this type of accident (or event) occurred anywhere else?

What were the consequences and ramifications?

What inadequacies in the plant's design, construction or maintenance allowed this type of accident (or event) to occur?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-8 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

What type of accident investigations will be conducted and by whom?

When will a preliminary report be issued on the cause of the accident?

Can Seabrook Station or any of it's employees be held liable for damages in the local communities?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-9 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Are any specialists being brought in to deal with the accident?

Are any of the lessons learned from Three Mile Island being applied at Seabrook?

Do you think Seabrook will ever operate again?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-10 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

What long term health effects to the public can be expected from the accident?

Will any studies be conducted to detect long term effects?

Who will pay for the economic impact such as lost business and wages?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-11 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

How much radiation is being released?

Is this amount more or less than was released by Chernobyl?

How far will the radiation travel?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-12 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

How is radiation tracked once it leaves the plant?

What organizations are involved in tracking the spread of radiation?

When will residents be able to return to evacuated areas?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-13 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

What Federal, State and local agencies has Seabrook notified?

When were these notifications made and by whom?

How often does NAESCo plan to update authorities and the media on this event?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-14 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Who is directing the emergency response for NAESCo?

What is his background/credentials?

Where is he located?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-15 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

What is the State of New Hampshire doing in response to this event?

What about the Commonwealth of Massachusetts?

Do they have a media contact and how can I reach them?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-16 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Is a press conference scheduled to discuss the events at Seabrook Station?

Where and when is the conference?

What identification is required to attend?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-17 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

a. Why were a large number of employees seen leaving the plant around (fill in time of evacuation of non-essential site personnel) this AM/PM?

NOTE TO CONTROLLER: The above question relates to the evacuation of non- essential site personnel.

b. If the situation gets worse, will remaining site personnel be evacuated?
c. Have there been any injuries or deaths?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-18 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Have any towns been evacuated?

Who makes the decision to evacuate a town?

What is that decision based on and how does that process work?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-19 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Is it possible to do a telephone interview with the NAESCo spokesman?

What arrangements can be made to interview some of the plant personnel such as the Control Room operators?

When will it be possible to interview (use the name of the NAESCo emergency manager provided on the most current press release)?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-20 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

How do I get to the Media Center?

Is it possible to film the press conferences?

Who can I ask questions of once I arrive?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-21 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

How can I arrange for a tour of the plant and how soon can I get in?

Is it safe to do a fly-over of the plant to get some film footage?

When will interviews be allowed with plant emergency workers?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-22 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Is the plant still operating?

IF THE ANSWER WAS YES: Is there a possibility it will be shut down and when?
IF THE ANSWER WAS YES: Will shutting down Seabrook affect power supplies?

IF THE ANSWER WAS NO: When was it shutdown?
IF THE ANSWER WAS NO: When will it be back in service?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-23 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

What are the plans for correcting the situation at the plant and putting it back to normal operation?

How much will it cost?

Who will pay for it?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-24 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

What radio stations should people be listening to for emergency information?

What TV stations should people be watching to for emergency information?

How will people know what to do if they don't have access to either?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-25 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Is the NRC sending any of their people to Seabrook?

What is their relationship to NAESCo during the accident, for example, are they directing NAESCo's actions?

Is there an NRC spokesman and how can I reach him or her?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-26 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

I would like to arrange interviews with:

- NAESCo President
- The head of the emergency planning department
- The Station Manager

How soon can these interviews take place and where?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-27 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

What risks or hazards are plant workers being exposed to right now?

What is being done to protect them and who is responsible for their safety?

Will they be subject to any followup studies to determine long term health problems?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-28 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Could you give me a briefing on the events at the plant so far?

How long will someone be available at this number if I have additional questions?

Can the public call this number for information?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-29 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

I seem to recall that the Russians and Poles passed out some radiation protection pills after Chernobyl. Could you tell me something about them?

What plans have been made to distribute these pills to people in the affected accident areas?

Could you tell me the basis for that decision(s)?

NOTE TO CONTROLLER: The above questions refer to potassium iodine (KI).
Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-30 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: Use this message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

How do plant operators know what to do during an accident of this type?

Are workers still at the plant volunteers or are they required to be there?

Will you work there again after this accident?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-31 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: Use this message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Are there NRC representatives at Seabrook Station? How many? What are their functions?

Who is the lead NRC official? Where is he/she located?

Does the NRC feel that North Atlantic has responded adequately to the accident?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-32 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: Use this message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Are there FEMA representatives at Seabrook Station? How many? What are their functions?

Who is the lead FEMA official? Where is he/she located?

Does FEMA feel that the States have responded properly to the accident?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-33 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: Use this message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Who is the NRC spokesperson and where are NRC press briefings being conducted?

What is the emergency role of NRC Headquarters in Maryland? Region I Headquarters in Pennsylvania?

Does the NRC have a Web Site on the Internet? Do you know the address?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-34 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: Use this message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

Who is the FEMA spokesperson and where are FEMA press briefings being conducted?

What is the emergency role of FEMA Headquarters in Washington? Region I Headquarters in Boston?

Does FEMA have a Web Site on the Internet? Do you know the address?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-MR-35 TIME: Optional

TO: Media Relations Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: Use this message may be used anytime. Prior to placing the call, you should make up your caller's name and news organization.

Greet the player and ask the following questions:

What are the emergency response relationships between the:

Nuclear Regulatory Commission,
Federal Emergency Management Agency,
Department of Energy, and
Environmental Protection Agency?

Who is the lead agency?

Who advises Federal and State decision-makers about the accident and possible responses?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

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_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

5.1.3 ERO RUMOR CONTROL MESSAGES

1996 EXERCISE
ERO RUMOR CONTROL MESSAGE IMPLEMENTATION KEY

MESSAGE	TIME
ERO-RC-1	Optional anytime
ERO-RC-2	Optional anytime
ERO-RC-3	Optional anytime
ERO-RC-4	Optional anytime
ERO-RC-5	Optional anytime
ERO-RC-6	Optional anytime
ERO-RC-7	Optional anytime
ERO-RC-8	Optional anytime
ERO-RC-9	Optional anytime
ERO-RC-10	Optional anytime
ERO-RC-11	Optional anytime
ERO-RC-12	Optional anytime
ERO-RC-13	Optional anytime
ERO-RC-14	Optional anytime
ERO-RC-15	Optional anytime
ERO-RC-16	Optional anytime
ERO-RC-17	Optional anytime
ERO-RC-18	Optional anytime
ERO-RC-19	Optional anytime
ERO-RC-20	Optional anytime
ERO-RC-21	Optional anytime
ERO-RC-22	Optional anytime
ERO-RC-23	Optional anytime
ERO-RC-24	Optional anytime
ERO-RC-25	Optional anytime
ERO-RC-26	Optional anytime
ERO-RC-27	Optional anytime
ERO-RC-28	Optional anytime
ERO-RC-29	Optional anytime
ERO-RC-30	Optional anytime
ERO-RC-31	Optional anytime
ERO-RC-32	Optional anytime
ERO-RC-33	Optional anytime
ERO-RC-34	Optional anytime
ERO-RC-35	Optional anytime
ERO-RC-36	Optional anytime
ERO-RC-37	Optional anytime
ERO-RC-38	Optional anytime
ERO-RC-39	Optional anytime
ERO-RC-40	Optional anytime
ERO-RC-41	Optional anytime
ERO-RC-42	Optional anytime
ERO-RC-43	Optional anytime
ERO-RC-44	Optional anytime
ERO-RC-45	Optional anytime
ERO-RC-46	Optional anytime
ERO-RC-47	Optional anytime
ERO-RC-48	Optional anytime
ERO-RC-49	Optional anytime
ERO-RC-50	Optional anytime
ERO-RC-51	Optional anytime
ERO-RC-52	Optional anytime
ERO-RC-53	Optional anytime
ERO-RC-54	Optional anytime
ERO-RC-55	Optional anytime
ERO-RC-56	Optional anytime

GENERAL INSTRUCTIONS FOR USE OF PRE-SCRIPTED and FREE PLAY MEDIA RELATIONS MESSAGES

The pre-scripted messages contained in this section provide a basis for a minimum number of calls to be made during the exercise. It is intended, however, that the Control Cell controllers responsible for implementing these messages create some of their own as the exercise progresses, so called "free-play" messages. Many sources of information for the formulation of free-play messages are not available at the time of scenario development and can only be utilized by controllers during the exercise. Examples include:

1. The content of press releases
2. The content of EBS messages
3. Information disseminated during news briefings
4. Responses from media relations and rumor control assistants to the pre-scripted messages contained in this section

Additionally, since many controllers are assigned to monitor the function to which they are normally assigned as a responder, they are able to devise reasonable and likely messages that did not occur to the scenario developers. With this in mind, please observe the following guidelines for use of the pre-scripted messages, and formulation and use of free-play messages:

PRE-SCRIPTED

1. Divide these messages evenly among the available controllers.

2. Messages may be used verbatim more than once, provided that they are directed to different players.

3. Messages can be modified to ask for different information related to the message topic.

4. Some messages can be used more than once by simply changing the home town or location of the caller. Remember, some callers should be from Massachusetts, some from New Hampshire, some in the EPZ, some outside the EPZ, some residents of towns that have been evacuated, some sheltered, etc.

5. Even though messages marked as "Optional anytime" may be generally used as such, controllers should read all message content prior to placing a call to ensure that it is appropriate to the then current scenario conditions.

FREE-PLAY

1. Use copies of the "Media Relations/Rumor Control Free-Play Call Information" form to document these types of calls. A master copy of the form is provided in this section of the scenario package. Make copies prior to the exercise.

2. Use the following guidelines for form completion:

   a. CONTROLLER - Your name.

   b. RESPONDING ORG - Organization to whom your call will be directed.

   c. CALL FOR - Check one as appropriate.

   d. CALLER'S NAME - Make up a name.

   e. CALLER'S NEWS ORG - Make up for calls to Media Relations personnel. Examples are WMUR-TV, Manchester, NH, WBUR radio, Boston, MA, Foster's Daily Democrat, Dover, NH.

   f. CALLER'S LOCATION - Make up as appropriate.

   g. CALLER'S HOME TOWN - Make up for calls to Rumor Control personnel.

3. A trend involves similar rumor content in at least 3 messages. Recognition of a trend will prompt certain actions on the part of public information personnel to use the media to correct the erroneous information. Obtain Media Center Lead Controller approval before initiating any trends.

4. Controllers should exercise discretion when creating new messages; keep them realistic, credible and within the context of the scenario. When in doubt, check with your Media Center Lead Controller.

WHERE TO CALL

Controllers should alternate their calls between Media Relations and Rumor Control. The telephone numbers are:

Media Relations - (800) 458-2408

Rumor Control - (800) 458-2407

MEDIA RELATIONS/RUMOR CONTROL
FREE-PLAY CALL INFORMATION

CONTROLLER: _____ DRILL/EX: 1996 Exercise

RESPONDING ORG: X ERO _____ NH _____ MA

CALL FOR: _____ Media Relations _____ Rumor Control

CALLER'S NAME: _____

CALLER'S NEWS ORG: _____

CALLER'S LOCATION: _____

CALLER'S HOME TOWN: _____

MESSAGE/QUESTION/REQUEST: _____

_____

_____

_____

PLAYER RESPONSE: _____

_____

_____

_____

TIME CALL COMPLETED: _____ AM/PM

Responding player: _____

IS PLAYER CALLBACK REQUIRED: ____ NO ____ YES

WAS A CALLBACK RECEIVED: _____ NO _____ YES TIME: _____ AM/PM

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-1 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I heard this accident is going to make Chernobyl seem small by comparison. Is this true?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-2 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

What's this accident going to do to people in (caller's home town)?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-3 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

My neighbors are telling me that we're looking at our electric rates going up 500% to pay for this accident. Now I know that can't be true so please give the facts.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-4 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I'm a journalism student at UNH and I want to prepare a class paper on the accident at Seabrook. What I need to know is when does North Atlantic plan to issue a public report on the accident and how can I obtain one?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-5 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I'm a fruit grower in (caller's home town). I was wondering if someone could come out to test my soil after you get the nuke under control. I don't want to be planting next spring if I got radiation all over my fields.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-6 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

My father told me that this accident is worse than Chernobyl. He says entire state of New Hampshire, and most of Massachusetts and Maine will have to be evacuated. He also said that it will be hundreds of years before anyone can come back. If this is true, why did the government let that plant be built in the first place?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-7 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

My neighbor told me it will be 10,000 years before people can go back Seabrook. Can that be right?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-8 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I raise chickens in (caller's home town). My wife's telling me that nobody's going to buy our chickens or their eggs after the accident. What do you have to say to that?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-9 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I need to confirm some information. My son is telling me that it might be a couple of years before we can sell our crops again because of Seabrook blowing its top. He says that the Station is required by law to buy our produce until its safe for public consumption. How do I enroll in this program?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-10 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Would you please tell me what kind of followup research will be done to find out if seacoast residents are suffering from long term health effects? Cancer rates skyrocketed around Three Mile Island after that accident. ! just want someone to make sure that if the same thing happens here that the public will know about it.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-11 TIME: Optional
TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

My sister says that all the people who have been evacuated because of the nuke are being held in special buildings until they're not radioactive anymore. How can I find out if any of my friends are there or do you know when they're going to be released?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-12 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I was listening to one of the Boston radio stations and they had some scientist out there that said people around Seabrook are in for a lot of long term health problems. This guy was going on about birth defects, cancer and such. Is this fellow right?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-13 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Who's going to pay for any damages to my house? Where do I get the right insurance forms and where do I send them?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-14 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I heard that North Atlantic will pay for the damages caused by the accident. I would like to file a claim so could you please connect me with the right person?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-15 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION:JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I just heard you guys were having problems at the plant. What's going on?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-[illegible] TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

When is the problem at the plant going to be fixed?

Can it get any worse?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____ _____

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-17 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

My friend said that it might be days before you guys get things under control at the nuke. Is that right?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-18 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Has any radiation been released yet?

Which way is it heading?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-19 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I've heard there are massive amounts of radiation blowing towards (caller's home town). Should I call my son and warn him?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

_____

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_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-20 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Who have you told about this accident so far?

Do (caller's home state) authorities know what's going on at Seabrook?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-21 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I live in (caller's home town). My uncle says nobody's told our town about the accident yet because he hasn't heard any sirens go off. Why don't you tell me what's happening and I'll call the police chief and tell him.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-22 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Who's in charge at the plant right now? I want to speak to him!

O.K. Then you tell me what's happening.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-23 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Word around here is that everybody has left the nuke and that its basically out of control. Any truth to that?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-24 TIME: Optional

TO: Rumor Control Assistant

FROM: _____ _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Nobody from my town has told me what to do. What should I be doing and where do I evacuate to?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-25 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

My aunt said that everybody in (caller's home town) should be packing up and heading for Salem, New Hampshire to some evacuation center. Can you give me directions to where we're supposed to be going?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-26 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

How and when will I be told to evacuate?

Has that order already gone out?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-27 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Somebody down at the store said everybody within 10 miles of the plant should be evacuating. Where do people in (caller's home town) go to?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-28 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I heard some people have been killed at the plant. How many died?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player s responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-29 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Has anybody been hurt at the plant?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-30 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Is the plant still operating?

IF ANSWERED YES: With all that's happening there, don't you think it should be shut down?

IF ANSWERED NO: When it supposed to start back up again?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-31 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

How much is it going to cost to fix the mess at Seabrook and who's going to pay for it?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FOR: 1

MESSAGE NO.: ERO-RC-32 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I own a business here in (caller's home town). I shutting the place down and getting out of here because of what's happening in Seabrook. I want to know how and when North Atlantic plans to compensate me for my lost business revenues.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-33 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I over here in (caller's home town) and what I need to know is should I be bringing my two dogs inside until the radiation blows over?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-34 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I preparing to evacuate and I'm taking my cat with me. Do you guys have cat food at the evacuation centers or should I stop and get some first?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-35 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I live on a farm here in (caller's home town) and my neighbor is herding all his cows into the barn. Should I be doing the same thing to my cows?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-36 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

With all this radiation blowing around the seacoast should I be putting my goats in the barn?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-37 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I remember from reading the calendar that you guys sent me that I was supposed to be listening to some TV or radio station during an emergency. Now I can't find the blasted calendar. Could you tell me?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-38 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I've been listening to WBCN in Boston but they haven't said anything about any evacuation being started. I haven't missed any news on this, have I?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-39 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

My (boyfriend/girlfriend) just told me that (he/she) heard that the core melted at the nuke. What can you tell me about it?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-40 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I trying to get the claims department number for the Price-Anderson Insurance Company. I understand that they provide your accident insurance and I'd like to speak to them about how much coverage I have.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-41 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I thought I just heard some sirens going off but its hard to tell from where I live. Did they go off and what should I be doing?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS M' SSAGE FORM

MESSAGE NO.: ERO-RC-42 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I was taking a nap and just woke up and heard there's a problem at Seabrook. I don't know if I missed it while I was asleep but I haven't heard the siren down the street go off yet. If is isn't working, call me back and tell me so I can go warn the rest of my neighbors.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-43 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I heard I can call this number to get some anti-radiation pills. How do I go about getting some?

NOTE TO CONTROLLER: This above question refers to potassium iodine.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-44 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

About a year ago I bought some iodine pills that are supposed to protect a person from radiation. Now I can't seem to find the instructions that came with the pills. Can you tell me how many I should take?

NOTE TO CONTROLLER: This above question refers to potassium iodine.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-45 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime after the evacuation of non-essential site personnel. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I was driving by Seabrook about (pick a time approximately 20 - 30 minutes after the Alert was declared) and it looked like everybody at the plant was leaving in a big hurry. What was everybody running from?

NOTE TO CONTROLLER: The above question pertains to the evacuation of non-essential station personnel.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-46 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I want to go to the news center in Newington to watch some of the briefings. Could you tell me how to get there?

NOTE TO CONTROLLER: This caller is not a member of the news media.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-47 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I live in (caller's home town in EPZ) but I work in (town outside EPZ). I'm planning on heading home in about an hour and I want to know if I can get to my house?

NOTE TO CONTROLLER: If the town you select as the caller's home town has been evacuated, use the following questions:

My family was home when I left this morning. If they've been evacuated, where and how can I find them?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-.8 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player in a belligerent manner and maintain that tone as you ask the following questions:

Well I hope you people are damn proud of yourselves. Electricity for one million homes my foot! All you've done is ruin what little seacoast New Hampshire had. But at least you'll never operate again. How's it feel to work for a nuclear dinosaur?

Following the assistant's answer, hang up on them. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-49 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player in a belligerent manner and maintain that tone as you say the following:

I belong to several groups that have been fighting your nuke for years. I just called to say "we told you so"! All those lies and propaganda that Seabrook put out have been exposed for exactly what they were. We'll have an easy time now making sure you never operate again. Make sure you pass this message on to your media puppets, Williams and the like. Maybe we'll see them and you on the unemployment line.

Following the assistant's answer, hang up on them. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-50 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

(My wife is/I'm) 6 months pregnant. I remember they evacuated pregnant women after Three Mile Island blew up. What should (she/I) be doing right now to protect our unborn child?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

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The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

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THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

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SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-51 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Our neighbor just told me that pregnant women are being evacuated to Manchester and that medical exams are available if you want one. (My wife is/I'm) 5 months pregnant and I need to know where to go and who to talk with.

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

_____

_____

_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-52 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I'm a Carpenter who worked at Seabrook Station during the last refueling outage. I saw some pretty shoddy work done in the Containment which might have led to this accident. Do you know who at the NRC I can call to discuss what I saw? Do you have the NRC's telephone number?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

_____

_____

_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-53 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Does the NRC have a Web Site on the Internet? Do you know the address?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

_____

_____

_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-54 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I've heard the Nuclear Regulatory Commission has taken over control of Seabrook Station during the emergency. Is this true?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

_____

_____

_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-55 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

Now that the Nuclear Regulatory Commission has taken over control of Seabrook, when are they going to tell us if we have to evacuate? How will they let people know?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

_____

_____

_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

SEABROOK STATION
EMERGENCY PREPAREDNESS MESSAGE FORM

MESSAGE NO.: ERO-RC-56 TIME: Optional

TO: Rumor Control Assistant

FROM: _____

LOCATION: JTIC

********** THIS IS A DRILL **********

NOTE TO CONTROLLER: This message may be used anytime. Prior to placing the call, you should make up your caller's name and location and/or home town.

Greet the player and ask the following questions:

I heard that the Governor wants to evacuate my town but the Nuclear Regulatory Commission says we don't need to leave. Who's right?

Thank the assistant and hang up. Time call completed: _____ AM/PM

Call length: _____ minutes. Responding player: _____ Use the space below to summarize the player's responses.

_____

_____

_____

_____

The player's responses: ____ were acceptable ____ need improvement. Use the responses provided by a player as the basis for additional questions and calls.

****

THIS IS A DRILL

DO NOT INITIATE ACTIONS AFFECTING STATION OPERATION

****

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

6.0 MINI-SCENARIOS

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

6.1 ERO MINI-SCENARIOS

1996 GRADED EXERCISE
ERO MINI-SCENARIO IMPLEMENTATION KEY

	MINI-SCENARIO	OCCURS AT	RESPONSIBILITY
6.1.1	Containment Sump Suction Recirculation Valves V8 & V14	12:00	Mike McNamara
6.1.2	Containment Building Spray Pump P-9A	08:30	Bill Holman
6.1.3	Control Building Emergency Ventilation Fan CBA-FN-16A	08:30	John Watson
6.1.4	Control Cell Instructions for External ERO Interface Simulations	08:30	Kathy Burgess
6.1.5	Containment Hatch	12:05	Dennis Emborsky

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

6.1.1 CONTAINMENT SUMP SUCTION ISOLATION VALVES V8 AND V14

MINI-SCENARIO 6.1.1

CONTAINMENT SUMP SUCTION RECIRCULATION VALVES V8 & V14

Yesterday, NRC notified all licensees of possible problems with JENKINS thermal overload heaters used for various Category I motor operated valves. One plant has reported that the solder used on the heater joints reacts with the metal leads over time rendering the thermal overload circuit inoperable. Jenkins heaters were installed in the breakers cubicles for CBS-V8 & CBS-V14 during the previous refueling outage and tested to work properly. Licensing is in the process of distributing the notice to the Seabrook Station Engineering and Operations Departments. As the exercise begins, no exercise participants are aware of this issue.

Upon reaching the swap over point to cold leg recirculation mode, CBS-V8 and CBS-V14 receive the control signal to open. One of the heaters in each breaker has corroded to the point where no current will flow through it's phase. The other two phases try to take the load but this only causes their thermal overloads protectors to overheat and trip the overload relay. The valves never move from their seat and they remain closed. The overload relay trip also causes a loss of control power which causes valve indication to go away.

Since there is a loss of indication, an NSO will be dispatched to the switch gear room to investigate and he will report that the breaker is in the tripped position. Upon opening the cubicle he will be able to reset the thermal overload buttons for the two connected phases but will find the disconnected phase already reset. Resetting the breaker will re-light the control board position indication. If operators re-attempt to open the valve, the same sequence will be repeated as long as the defective heater is left in the circuit.

The probable steps necessary for opening CBS-V8 or CBS-V14 includes the following:

1. Tagging out the breaker; 5 mins
2. Identifying the bad heater through continuity testing; 5 mins
3. Retrieve a new heater from stores; 10 mins
4. Replace the heater; 2 mins
5. Clear tag; 5 mins

NOTE TO REPAIR TEAM CONTROLLER: The opening of CBS-V8 and CBS-V14 will be high priority tasks for the ERO. In order to ensure scenario continuity, CBS-V8 and CBS-V14 MUST be returned to service at 12:45 regardless of work status. Repair actions should be allowed to progress with this requirement in mind. If by 12:40, it is apparent that the players will not complete repairs in time, instruct the team leader to inform the OSC communicator that repairs are complete; the team should then continue with their repair actions until completed or the exercise is ended. The system engineer for these MOVs is Lee Hanson.

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

6.1.2 CONTAINMENT BUILDING SPRAY PUMP P-9A

MINI-SCENARIO 6.1.2

CONTAINMENT BUILDING SPRAY PUMP P-9A

Containment Building Spray Pump P-9A was tagged out of service yesterday at **18:00** due to a bad thrust bearing found during surveillance testing. Pump P-9A is subject to Technical Specification 3.6.2 and must be returned to service within 72 hours of being declared inoperable. The control room generated a priority 1 work request and the system engineer was notified.

Prior to the **ALERT** being declared at approximately **08:15,** workers have completed the following tasks in accordance with Maintenance Procedure MS0523.18:

1. Hung tags
2. Disassembled pump (Section 8.1)
3. Removed pump (Section 8.2)
4. Removed thrust bearing (Section 8.4)
5. Installed new thrust bearing (Section 8.12)
6. Installed pump (Section 8.14)

At some point, an Emergency Repair Team should be dispatched to complete pump repairs. The assigned controller should note what measures are taken to assure the safety of the repair team. The following items were left at the work scene:

- Tools, torches
- Test equipment
- Lubricants/Oils
- Work requests, procedures and prints

Remaining work includes:

1. Assemble pump (Section 8.15); 2 hours
2. Perform surveillance test 0X406.02; 30 Mins
3. Lift Tags; 20 Mins

NOTE TO REPAIR TEAM CONTROLLER: The restoration of pump CBS Pump P-9A will be a high priority tasks for the ERO. While extremely important, this repair is not crucial to controlling containment pressure since the B train is unaffected. Therefore, allow simulated repair efforts to proceed unconstrained. The system engineer for this pump is Debbie Masters.

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

6.1.3 CONTROL BUILDING FAN CBA-FN-16A

MINI-SCENARIO 6.1.3

CONTROL BUILDING EMERGENCY VENTILATION FAN CBA-FN-16A

This fan was tagged out yesterday at **20:00** for replacement of a faulty motor discovered during a surveillance test. During the test, the fan started briefly and then stopped. This fan is subject to Technical Specification 3.7.6 and must be returned to service within 7 days. The B train fan must be put in service while the A train is declared inoperable. The Control Room generated a Priority I work request and the System Engineer was notified.

Prior to the **ALERT** being declared at approximately **08:15,** workers have completed the following tasks in accordance with Maintenance Procedures:

1. Hung tags
2. Racked out breaker D87 at MCC-521
3. Erected scaffolding
4. Determinated the motor
5. Inspected of the motor and found shorted motor windings
6. Removed old motor
7. Obtained and installed new motor
8. Re-assembled fan

At some point, an Emergency Repair Team should be dispatched to complete fan repairs. The assigned controller should note what measures are taken to assure the safety of the repair team. The following items were left at the work scene:

- Tools, and supplies
- Test equipment
- Work requests, procedures and prints

Remaining work includes:

1. Reterminate the motor; 1 hour
2. Perform surveillance test; 1 hour
3. Lift Tags; 30 Mins

NOTE TO REPAIR TEAM CONTROLLER: There is no scenario requirement to return this fan to service other than it provides redundancy to the B train. Therefore players will be allowed to completely free play it's restoration. The system engineer for this fan is Wendal Moore.

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

6.1.4 CONTROL CELL INSTRUCTIONS FOR EXTERNAL ERO INTERFACE SIMULATIONS

MINI-SCENARIO 6.1.4

CONTROL CELL INSTRUCTIONS FOR EXTERNAL ERO INTERFACE SIMULATIONS

I. General Instructions and Comments

A. The following information should be used as a basis for simulating responses.
B. Controllers may add to, delete from or otherwise modify any of the following information in response to player actions as deemed appropriate.
C. Controllers should thoroughly acquaint themselves with any referenced documents and forms prior to the drill.
D. Controllers should obtain a copy of the Emergency Response Telephone Directory prior to drill commencement.

II. American Nuclear Insurers

A. Start Time: As initiated by players.
B. ERO Contact: Industry Liaison
C. Contact Location: EOF
D. Topic(s) Discussed:
   1. Initiating events
   2. Current situation and accident prognosis
   3. Status of actual or potential radiological releases
   4. Protective actions recommended and/or implemented
   5. Known Offsite damages or injuries
   6. Establishment of exclusion or restricted areas

E. Information to Provide:

   1. At 1230, inform the Industry Liaison that an ANI claims team will be dispatched to the Sheraton Tara Hotel in Danvers, MA.
      a. Estimated arrival time: 1600 today
      b. Team consists of 1 Claim Supervisor and 4 Adjusters
      c. The hotel claims office will be open at tomorrow at 0800

MINI-SCENARIO 6.1.4

CONTROL CELL INSTRUCTIONS FOR EXTERNAL ERO INTERFACE SIMULATIONS

III. Institute of Nuclear Power Operations

A. Start Time: As initiated by players
B. ERO Contact: Industry Liaison
C. Contact Location: EOF
D. Topic(s) Discussed:

1. General accident information and response status
2. Resources available through INPO Emergency Resources Manual
3. Support of Nuclear Network entry of press release - INPO will perform
4. **DO NOT provide any response guidance or recommendations.**

E. Information to Provide:

1. Telecopy number

IV. Nuclear Energy Institute

A. Start Time: As initiated by players
B. ERO Contact: Industry Liaison
C. Contact Location: EOF
D. Topic(s) Discussed:

1. General accident status
2. Transmittal of approved news releases

E. Information to Provide:

1. Your telecopy number for press releases

V. PSNH Control Center

A. Start Time: As initiated by players
B. ERO Contact: Technical Assistant
C. Contact Location: EOF
D. Topic(s) Discussed:

1. Information contained on Form ER 3.3P
2. Power grid is stable and power supplies adequate
3. **DO NOT provide any guidance, recommendations or directions.**

MINI-SCENARIO 6.1.4

CONTROL CELL INSTRUCTIONS FOR EXTERNAL ERO INTERFACE SIMULATIONS

VI. Westinghouse

A. Start Time: As initiated by players
B. ERO Contact: Industry Liaison
C. Contact Location: EOF
D. Topic(s) Discussed:

1. Availability of Westinghouse resources

   a. Accident and transient analysis
   b. Fuel damage assessment
   c. Replacement fuel and parts to support recovery operations

2. **DO NOT provide any response guidance or recommendations.**

E. Information to provide:

1. If a Westinghouse response team is requested by the EOF, provide the following information.

   a. Estimated arrival time at the EOF: 5 hours after the request, but not earlier than 1500.
   b. Team composition as requested by EOF players
   c. Team will fly to Logan Airport
   d. Request assistance with ground transportation, lodging arrangements, directions to the EOF and required passes.

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

6.1.5 CONTAINMENT PERSONNEL HATCH

MINI-SCENARIO 6.1.5

CONTAINMENT PERSONNEL HATCH
1-MM-MM-30

The following initial conditions with the containment personnel hatch are present at the start of the exercise:

- The "Outer Door Locked" light bulb indicator on the containment hatch door control panel outside containment has burned out and a deficiency tag is hung.
- Repeated Integrated Leak tests has caused containment air lock hydraulic mechanism to bump against the entry platform and weaken a hydraulic fitting connected to the lower hydraulic ram used to close and open the outer door's locking ring.
- Following the last containment air lock door seal leak rate surveillance, the inner hatch door o-rings were removed cleaned and re-greased. The grease was applied too liberally.

The containment entry team enters containment without incident at **08:00** today.

Upon exiting containment, the o-rings seals stick to the machined surface of the air lock door and are pulled from their grooves due to the over abundance of grease. In spite of this, the inner door is able to be locked. The containment entry team did not see this evolution while they were closing the door and all indications in the Control Room will verify the inner door is closed.

By procedure the team will equalize the air lock pressure with outside pressure and the o-rings hold well enough for this to occur. Upon exiting and closing the outer personnel hatch door, the weakened hydraulic fitting fails preventing the locking ring from turning. The failure occurs beneath the platform and is not observed by the team. At this point the only thing keeping the door closed is the closing rams and the fact their is no delta-p across the door. However, the fitting will continue to bleed hydraulic fluid over time and eventually will render the closing rams ineffective as well.

In their haste, the team believes the door has locked and leaves the area. They inform the control room that they have successfully exited containment and that both doors are closed and locked. The control room has no indications to believe otherwise.

At **11:40** a spike in containment pressure due to the LOCA will cause the inner door o-rings to be forced into the air lock effectively creating a 10 square inch vent path through the inner door. This will pressurize the air lock.

At **12:05** the hydraulic pressure in the outer door locking mechanism bleeds down to the point where the door swings wide open thus creating a vent path to the West main steam and pipe chase enclosure and the environment.

MINI-SCENARIO 6.1.5

CONTAINMENT PERSONNEL HATCH
1-MM-MH-30

Once the outer door swings open an alarm will be received in the control room indicating the outer door is open. Shortly thereafter radiation monitoring team will begin to pick up indications of a radiological release. Anyone sent to investigate will find that the outer door is open and there is a pool of fluid beneath the landing. By following the drips one can see the source of the leak is the lower locking ring ram fitting. If one looks into the air lock they will see that the inner door o-rings are visible and vapor appears to be blowing by the rings.

At some point, an Emergency Repair Team should be dispatched to close the outer door. The assigned controller should note what measures are taken to assure the safety of the repair team. The following items will be required at the work scene:

- A 12' length of 4"x4" lumber.
- A portable hydraulic ram.
- Tools
- Hydraulic Fluid (Glycol)

The corrective action required to re-close and lock the outer door is as follows:

1. Brace the door closed with a 4x4 and a portable hydraulic ram; 20 mins
2. Locate a replacement fitting from stores; 20 mins
3. Replace the damaged fitting; 20 mins
4. Re-fill the system and bleed out air; 20 mins
5. Activate the locking mechanism; 5 mins

NOTE TO REPAIR TEAM CONTROLLER: The restoration of containment integrity will be a high priority tasks for the ERO. While extremely important, this repair is not crucial to stopping the radiological release. Reducing containment pressure to at or below outside pressure will in effect terminate the release. Therefore, allow simulated repair efforts to proceed unconstrained. The system engineer for the containment hatch is Roger Sampson.

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

7.0 PLANT PARAMETERS

Status Clock Time	Rx Power (%)	NIS IR (mcamps)	SR (cps)	Core Therm Power (MWT)	RCS Loop Flow A (%)	RCS Loop Flow B (%)	RCS Loop Flow C (%)	RCS Loop Flow D (%)	PZR Level (%)	RCS Wide Range Press (psig)	RCS Subcooling (deg F)
Initial Leak											
8:00-8:10	100	268	0	3411	100	100	100	100	60	2240	40
08:15	97	239	0	3270	100	100	100	100	56	2246	49
08:20	9\	234	0	3224	100	100	100	100	58	2244	48
Trip and Cooldown											
08:25	0	.002	0	-	2.7	2.7	2.3	2.5	10	1700	27
08:30	0	5.0e-5	0	-	5.8	5.8	5.1	5.4	15	1900	71
08:35	0	1.0e-5	158	-	5.8	5.8	5.2	5.4	20	1990	84
08:40	0	1.0e-5	6.7	-	5.9	5.9	5.2	5.5	25	1890	77
08:45	0	1.2e-5	71	-	0	0	0	0	30	1850	80
				Trend over this time period							
09:55	0	-	-	-	0	0	0	0	30	850	60
RCS Leakage Increases											
10:00	0	-	-	-	0	0	0	0	0	510	0
10:05	0	-	-	-	0	0	0	0	0	486	0
10:10	0	-	-	-	0	0	0	0	0	467	0
10:15	0	-	-	-	0	0	0	0	0	449	0
10:20	0	-	-	-	0	0	0	0	0	431	0
				Trend over this time period							
11:35	0	-	-	-	0	0	0	0	0	205	0
Design Basis LOCA											
11:40	0	-	-	-	0	0	0	0	0	91	0
11:45	0	-	-	-	0	0	0	0	0	53	0
11:50	0	-	-	-	0	0	0	0	0	38	0
11:55	0	-	-	-	0	0	0	0	0	33	0
Failed Swap Over											
12:00	0	-	-	-	0	0	0	0	0	16.5	0
12:05	0	-	-	-	0	0	0	0	0	1F	0
12:10	0	-	-	-	0	0	0	0	0	1\. 5	0
12:15	0	-	-	-	0	0	0	0	0	14.1	0
12:20	0	-	-	-	0	0	0	0	0	13.9	0
				Trend over this time period							
13:40	0	-	-	-	0	0	0	0	0	4	0
Succesful Swap Over											
13:45	0	-	-	-	0	0	0	0	0	4	0
13:50	0	-	-	-	0	0	0	0	0	4	0
13:55	0	-	-	-	0	0	0	0	0	4	0
14:00	0	-	-	-	0	0	0	0	0	4	0
				Trend over this time period							
15:00	0	-	-	-	0	0	0	0	0	4	0

Status Clock Time	Bulk Avg (deg F)	RCS WR Hot Temp A (deg F)	B (deg F)	C (deg F)	D (deg F)	RCS WR Cold Temp A (deg F)	B (deg F)	C (deg F)	D (deg F)	RC LP Temp Highest Avg (deg F)	PRT Press (psig)	Cont Temp (deg F)
Initial Leak												
8:00-8:10	612	620	620	620	620	558	558	558	558	588	0	106
08:15	611	618	618	618	618	556	556	556	556	587	0	108
08:20	610	617	617	617	617	555	555	555	555	586	0	109
Trip and Cooldown												
08:25	610	617	617	617	617	555	555	555	555	586	0	110
08:30	558	559	559	559	559	555	555	555	555	557	0	111
08:35	551	552	552	552	552	548	548	548	548	550	0	112
08:40	551	552	552	552	552	548	548	548	548	550	0	113
08:45	546	547	547	547	547	543	543	543	543	545	0	114
					Trend over this time period							
09:55	475	477	477	477	477	473	473	473	473	530	0	115
RCS Leakage Increases												
10:00	470	472	472	472	472	468	468	468	468	530	0	116
10:05	465	467	467	467	467	463	463	463	463	530	0	118
10:10	461	462	462	462	462	459	459	459	459	530	0	120
10:15	456	458	458	458	458	454	454	454	454	530	0	122
10:20	452	454	454	454	454	450	450	450	450	530	0	124
					Trend over this time period							
11:35	385	387	387	387	387	383	383	383	383	530	0	130
Design Basis LOCA												
11:40	323	323	323	323	323	323	323	323	323	530	0	272
11:45	287	287	287	287	287	287	287	287	287	530	0	253
11:50	266	268	268	268	268	264	264	264	264	530	0	252
11:55	256	256	256	256	256	256	256	256	256	530	0	252
Failed Swap Over												
12:00	250	250	250	250	250	250	250	250	250	530	0	251
12:05	250	250	250	250	250	250	250	250	250	530	0	250
12:10	249	249	249	249	249	249	249	249	249	530	0	249
12:15	248	248	248	248	248	248	248	248	248	530	0	248
12:20	248	248	248	248	248	248	248	248	248	530	0	248
					Trend over this time period							
12:40	225	225	225	225	225	225	225	225	225	530	0	225
Succesful Swap Over												
12:45	225	225	225	225	225	225	225	225	225	530	0	225
12:50	225	225	225	225	225	225	225	225	225	530	0	225
12:55	225	225	225	225	225	225	225	225	225	530	0	225
13:00	225	225	225	225	225	225	225	225	225	530	0	225
					Trend over this time period							
15:00	225	225	225	225	225	225	225	225	225	530	0	225

Status Clock Time	RVLIS DYNAMIC HD (%)	RVLIS Full Range LVL (%)	5 Min HU/CD Rate (deg F/hr)	15 Min HU/CD Rate (deg F/hr)	60 Min HU/CD Rate (deg F/hr)	Containment Pressure (psig)	CONTM Sump A LVL (in)	CONTM Sump B LVL (in)	CONTM BLDG LVL (ft)
Initial Leak									
8:00-8:10	109	100	0	0	0	.6	8	0	.33
08:15	109	100	-12	-4	-1	.7	21	4.4	.33
08:20	109	100	-12	-8	-2	1.2	57	8.8	.33
Trip and Cooldown									
08:25	109	100	0	-8	-2	1.4	57	22	.4
08:30	109	100	-144	-120	-31	1.6	57	22	.48
08:35	109	100	-84	-112	-38	1.7	57	22	.56
08:40	109	100	-0	-112	-38	1.9	57	22	.64
08:45	109	100	-60	-48	-43	2	57	22	.72
			Trend over this time period.80						
09:55	109	100	-60	-60	-60	2.5	57	22	1.8
RCS Leakage Increases									
10:00	109	100	-60	-60	-60	2.5	57	22	1.9
10:05	109	100	-60	-60	-50	6.4	57	22	2
10:10	109	100	-48	-56	-59	6.1	57	22	2.1
10:15	109	100	-60	-68	-59	5.9	57	22	2.1
10:20	109	100	-60	-52	-59	5.6	57	22	2.2
			Trend over this time period						
11:35	109	100	-58	-52	-53	2.4	57	22	3.4
Design Basis LOCA									
11:40	10.5	62	-744	-283	-110	29.5	57	22	3.5
11:45	10.5	62	-432	-409	-142	17.7	57	22	3.6
11:50	10.5	62	-252	-476	-158	17	57	22	3.6
11:55	10.5	62	-120	-268	-165	17	57	22	3.7
Failed Swap Over									
12:00	10.5	62	-72	-148	-166	16.5	57	22	3.8
12:05	10.5	62	-0	-64	-162	16	57	22	3.8
12:10	10.5	62	-12	-28	-158	15.8	57	22	3.8
12:15	10.5	62	-12	-8	-154	14.1	57	22	3.8
12:20	10.5	62	-0	-8	-150	13.9	57	22	3.8
			Trend over this time period						
12:40	10.5	62	-69	-69	-98	4	57	22	3.8
Succesful Swap Over									
12:45	10.5	62	-0	--46	-62	4	57	22	3.8
12:50	10.5	62	-0	-23	-41	4	57	22	3.8
12:55	10.5	62	-0	-0	-31	4	57	22	3.8
13:00	10.5	62	-0	-0	25	4	57	22	3.8
			Trend over this time period						
15:00	10.5	62	-0	-0	-0	4	57	22	3.8

Status / Clock Time	Accumulators Press (psig)	Accumulators Level (gal)	CHG PMP DISCH HDR Flow (gpm)	Letdown HDR Flow (gpm)	TK-6 CHG HDR Flow (gpm)	SI TRN A Flow (gpm)	SI TRN B Flow (gpm)	RHR TRN A Flow (gpm)	RHR TRN B Flow (gpm)	CBS TRN A Dis Press (psig)	CBS TRN B Dis Press (psig)
Initial Leak											
8:00-8:10	630	6350	96	85	0	0	0	0	0	50	50
08:15	630	6350	190	0	0	0	0	0	0	50	50
08:20	630	6350	190	0	0	0	0	0	0	50	50
Trip and Cooldown											
08:25	630	6350	190	0	0	0	0	0	0	50	50
08:30	630	6350	190	0	0	0	0	0	0	50	50
08:35	630	6350	190	0	0	0	0	0	0	50	50
08:40	630	6350	190	0	0	0	0	0	0	50	50
08:45	630	6350	190	0	0	0	0	0	0	50	50
				Trend over this time period							
09:55	630	6350	190	0	0	0	0	0	0	50	50
RCS Leakage Increases											
10:00	510	5930	30	0	800	100	100	0	0	50	50
10:05	486	5930	30	0	800	100	100	0	0	50	50
10:10	467	5930	30	0	800	100	100	0	0	50	50
10:15	469	5930	30	0	800	100	100	0	0	50	50
10:20	431	5930	30	0	800	100	100	0	0	50	50
				Trend over this time period							
11:35	205	5930	30	0	800	529	529	3915	3915	32	275
Design Basis LOCA											
11:40	91	5930	30	0	901	529	529	3915	3915	32	275
11:45	53	5930	30	0	901	529	529	3915	3915	32	275
11:50	38	5930	30	0	901	529	529	3915	3915	32	275
11:55	33	5930	30	0	901	529	529	3915	3915	32	275
Failed Swap Over											
12:00	16	5930	30	0	200	0	0	0	0	0	0
12:05	16	5930	30	0	200	0	0	0	0	0	0
12:10	16	5930	30	0	200	0	0	0	0	0	0
12:15	14	5930	30	0	200	0	0	0	0	0	0
12:20	14	5930	30	0	200	0	0	0	0	0	0
				Trend over this time period							
12:40	4	5930	30	0	200	0	0	0	0	0	0
Succesful Swap Over											
12:45	4	5930	30	0	901	565	565	0	4208	32	275
12:50	4	5930	30	0	901	565	565	0	4208	32	275
12:55	4	5930	30	0	901	565	565	0	4208	32	275
13:00	4	5930	30	0	901	565	565	0	4208	32	275
				Trend over this time period							
15:00	4	5930	30	0	901	565	565	0	4208	275	275

Status Clock Time	Total Recirc Flow (gpm)	RWST LEVEL (kgal)	13.8 kV Bus 1 (volts)	13.8 kV Bus 2 (volts)	4.16 kV Bus 3 (volts)	4.16 kV Bus 4 (volts)	4.16 kV Bus 5 (volts)	4.16 kV Bus 6 (volts)	D/G 1A (kW)	D/G 1B (kW)	Total EFW Flow (gpm)
Initial Leak											
8:00-8:10	0	480	13831	13850	4349	4337	0	0	0	0	0
08:15	0	480	13831	13850	4349	4337	0	0	0	0	0
08:20	0	480	13831	13850	4349	4337	0	0	0	0	0
Trip and Cooldown											
08:25	0	480	13831	13850	4349	4337	0	0	0	0	0
08:30	0	480	13831	13850	4349	4337	0	0	0	0	0
08:35	0	480	13831	13850	4349	4337	0	0	0	0	0
08:40	0	480	13831	13850	4349	4337	0	0	0	0	0
08:45	0	480	13831	13850	4349	4337	0	0	0	0	0
				Trend over this time period							
09:55	0	480	13831	13850	4349	4337	0	0	0	0	0
RCS Leakage Increases											
10:00	1000	480	13831	13850	4349	4337	0	0	0	0	884
10:05	1000	475	13831	13850	4349	4337	0	0	0	0	868
10:10	1000	470	13831	13850	4349	4337	0	0	0	0	872
10:15	1000	465	13831	13850	4349	4337	0	0	0	0	864
10:20	1000	460	13831	13850	4349	4337	0	0	0	0	872
				Trend over this time period							
11:35	1000	385	13831	13850	4349	4337	0	0	0	0	777
Design Basis LOCA											
11:40	8516	380	13831	13850	4349	4337	0	0	0	0	750
11:45	9398	316	13831	13850	4349	4337	0	0	0	0	750
11:50	9691	252	13831	13850	4349	4337	0	0	0	0	750
11:55	9790	189	13831	13850	4349	4337	0	0	0	0	750
Failed Swap Over											
12:00	200	125	13831	13850	4349	4337	0	0	0	0	750
12:05	200	124	13831	13850	4349	4337	0	0	0	0	750
12:10	200	123	13831	13850	4349	4337	0	0	0	0	750
12:15	200	122	13831	13850	4349	4337	0	0	0	0	750
12:20	200	121	13831	13850	4349	4337	0	0	0	0	750
				Trend over this time period							
12:40	200	117	13831	13850	4349	4337	0	0	0	0	750
Succesful Swap Over											
12:45	6239	117	13831	13850	4349	4337	0	0	0	0	750
12:50	6239	117	13831	13850	4349	4337	0	0	0	0	750
12:55	6239	117	13831	13850	4349	4337	0	0	0	0	750
13:00	6239	117	13831	13850	4349	4337	0	0	0	0	750
				Trend over this time period							
15:00	6239	117	13831	13850	4349	4337	0	0	0	0	750

Status	Steam Generator A			Steam Generator B			Steam Generator C			Steam Generator D		
Clock Time	NR LVL (%)	Press (psig)	WR LVL (%)	NR LVL (%)	Press (psig)	WR LVL (%)	NR LVL (%)	Press (psig)	WR LVL (%)	NR LVL (%)	Press (psig)	WR LVL (%)
Initial Leak												
8:00-8:10	50	998	82	50	998	82	50	998	82	50	998	82
08:15	50	998	82	50	998	82	50	998	82	50	998	82
08:20	50	998	82	50	998	82	50	998	82	50	998	82
Trip and Cooldown												
08:25	0	1130	17	0	1130	17	0	1130	17	0	1130	17
08:30	0	588	28	0	588	28	0	588	28	0	588	28
08:35	0	486	39	0	486	39	0	486	39	0	486	39
08:40	0	525	51	0	525	51	0	525	51	0	525	51
08:45	0	485	55	0	485	55	0	485	55	0	485	55
					Trend over this time period							
09:55	0	294	61	0	294	61	0	294	61	0	545	61
RCS Leakage Increases												
10:00	0	510	94	0	510	94	0	510	94	0	510	94
10:05	0	490	94	0	490	94	0	490	94	0	490	94
10:10	0	467	94	0	467	94	0	467	94	0	467	94
10:15	0	448	94	0	448	94	0	448	94	0	448	94
10:20	0	431	94	0	431	94	0	431	94	0	431	94
					Trend over this time period							
11:35	0	208	94	0	208	94	0	208	94	0	208	94
Design Basis LOCA												
11:40	0	95	94	0	95	94	0	95	94	0	95	94
11:45	0	90	94	0	90	94	0	90	94	0	90	94
11:50	0	85	94	0	85	94	0	85	94	0	85	94
11:55	0	80	94	0	80	94	0	80	94	0	80	94
Failed Swap Over												
12:00	0	55	94	0	55	94	0	55	94	0	55	94
12:05	0	55	94	0	55	94	0	55	94	0	55	94
12:10	0	55	94	0	55	94	0	55	94	0	55	94
12:15	0	55	94	0	55	94	0	55	94	0	55	94
12:20	0	55	94	0	55	94	0	55	94	0	55	94
					Trend over this time period							
12:40	0	55	94	0	55	94	0	55	94	0	55	94
Succesful Swap Over												
12:45	0	55	94	0	55	94	0	55	94	0	55	94
12:50	0	55	94	0	55	94	0	55	94	0	55	94
12:55	0	55	94	0	55	94	0	55	94	0	55	94
13:00	0	55	94	0	55	94	0	55	94	0	55	94
					Trend over this time period							
15:00	0	55	94	0	55	94	0	55	94	0	55	94

Status Clock Time	Critical Safety Function Status Trees							
	S	C	H	P	Z	I	E	R
Initial Leak								
8:00-8:10	Green	Green	Green	Green	Green	Green	Green	Green
08:15	Green	Green	Green	Green	Green	Green	Green	Green
08:20	Green	Green	Green	Green	Green	Green	Green	Green
Trip and Cooldown								
08:25	Green	Yellow	Yellow	Green	Green	Green	Green	Green
08:30	Green	Green	Yellow	Green	Green	Green	Green	Green
08:35	Green	Green	Yellow	Green	Green	Green	Green	Green
08:40	Green	Green	Yellow	Green	Green	Green	Green	Green
08:45	Green	Green	Yellow	Green	Green	Green	Green	Green
Trend over this time period								
09:55	Green	Green	Yellow	Green	Green	Green	Green	Green
RCS Leakage Increases								
10:00	Green	Yellow	Yellow	Green	Green	Green	Green	Green
10:05	Green	Yellow	Yellow	Green	Green	Green	Green	Green
10:10	Green	Yellow	Yellow	Green	Green	Green	Green	Green
10:15	Green	Yellow	Yellow	Green	Green	Green	Green	Green
10:20	Green	Yellow	Yellow	Green	Green	Green	Green	Green
Trend over this time period								
11:35	Green	Yellow	Yellow	Green	Green	Green	Green	Green
Design Basis LOCA								
11:40	Green	Yellow	Yellow	Orange	Orange	Yellow	Green	Green
11:45	Green	Yellow	Yellow	Orange	Yellow	Yellow	Green	Green
11:50	Green	Yellow	Yellow	Orange	Yellow	Yellow	Green	Green
11:55	Green	Yellow	Yellow	Orange	Yellow	Yellow	Green	Green
Failed Swap Over								
12:00	Green	Yellow	Yellow	Orange	Yellow	Yellow	Green	Green
12:05	Green	Yellow	Yellow	Orange	Yellow	Yellow	Green	Green
12:10	Green	Yellow	Yellow	Orange	Yellow	Yellow	Green	Yellow
12:15	Green	Yellow	Yellow	Orange	Yellow	Yellow	Green	Yellow
12:20	Green	Yellow	Yellow	Orange	Yellow	Yellow	Green	Yellow
Trend over this time period								
12:40	Green	Yellow	Yellow	Orange	Yellow	Yellow	Green	Yellow
Succesful Swap Over								
12:45	Green	Yellow	Yellow	Green	Yellow	Yellow	Green	Yellow
12:50	Green	Yellow	Yellow	Green	Yellow	Yellow	Green	Yellow
12:55	Green	Yellow	Yellow	Green	Yellow	Yellow	Green	Yellow
13:00	Green	Yellow	Yellow	Green	Yellow	Yellow	Green	Yellow
Trend over this time period								
15:00	Green	Yellow	Yellow	Green	Yellow	Yellow	Green	Yellow

PLANT PARAMETER DATA SHEET
SINGLE DATA SET

TIME: am/pm	DATE:

PARAMETER	RANGE	SOURCE	VALUE
RX Power - Gammametrics	10E-8 to 200%		
RX Vessel Level	0 to 120%		
RCS WR T_{hot}	0 to 700°F		
RCS WR T_{cold}	0 to 700°F		
Core Exit T/Cs	0 to 2300°F		
Subcooling	-50° to 300°F		
RCS WR Pressure	0 to 3000 psig		
PZR Level	0 to 100%		
S/G Level - Avg Intact	0 to 100%		
S/G Pressure - Avg Intact	0 to 1300 psig		
Total EFW Flow	0 to 2400 gpm		
Containment Bldg Level	.5 to 8.2 feet		
Containment H_2 Concen.	0 to 10%		
Containment Pressure	0 to 60 psig		
Cont Avg Air Temp	0 to 300°F		
RWST Level	0 to 500 kgal		
Cont Encl/Atmos DP	0 to 0.5 in WC neg		

SYSTEM STATUS DATA SHEET

DATE:	TIME: am/pm

1. ESF ACTUATION SIGNALS

	ACTUATED	RESET
SAFETY INJ		
PHASE A ISO		
PHASE B ISO		
CBS		
ECCS RECIRC		
CONT HI RAD		
CR VENT ISO		
MN STM ISO		
FDWTR ISO		
EFW		
EPS		

2. ESF SYSTEM STATUS

	ON	OFF
CS PMP A		
CS PMP B		
SI PMP A		
SI PMP B		
RHR PMP A		
RHR PMP B		
CBS PMP A		
CBS PMP B		
EFW PMP A		
EFW PMP B		

3. PRIMARY SYSTEM STATUS

	ON	OFF
RCP A		
RCP B		
RCP C		
RCP D		
THERMAL BAR		
SEAL INJECT		
PCCW PMP A		
PCCW PMP C		
PCCW PMP B		
PCCW PMP D		

4. SECONDARY SYSTEM STATUS

	ON	OFF
SU FEED PMP		
STM DMP SYS		
SCCW SYS		
SW PMP A		
SW PMP C		
SW PMP B		
SW PMP D		
CLG TWR A		
CLG TWR B		

	ON	OFF	BKR CLOSED	BKR OPEN
DG A				
DG B				

MSIV	OPEN	CLOSED
A		
B		
C		
D		

ASDV	OPEN	CLOSED
A		
B		
C		
D		

CRITICAL SAFETY FUNCTION STATUS SHEET

DATE: ____/____/____ TIME: _____ am/pm

FUNCTION		GREEN	YELLOW	ORANGE	RED
SUBCRITICALITY	S				
CORE COOLING	C				
HEAT SINK	H				
RCS INTEGRITY	P				
CONTAINMENT INTEGRITY	Z				
RCS INVENTORY	I				
EMER COOLANT RECIRC	F				
RADIATION	R				

NOTE: Use NE if function is not being evaluated.

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

8.0 RADIOLOGICAL DATA

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

8.1 PRE-DRILL DATA

In-Plant Pre-Drill

Radiological Data

All pre-drill radiological survey data can be reviewed on the standard RCA access survey maps posted at the Health Physics Control Point.

CHL-088

SEABROOK STATION SECONDARY SAMPLE REPORT

PARAMETERS	SAMPLE DATE/TIME	VALUE (1)	ACTION LEVEL (1)	ACTION LEVEL OR RECOMMENDATIONS
CONDENSATE / FEEDWATER				
CPD, Oxygen, ppb	9/17/96 0750	2.2	>10 2 - 4 (2)	
FW Spec Cond, µS/cm	9/17/96 0750	12.7		
FW Iron, ppb	9/17/96 0900	1.65	> 5	
FW Copper, ppb	9/17/96 0900	<0.047	> 1	
FW Hydrazine, ppb	9/17/96 0750	125	<100	
FW Oxygen, ppb	9/17/96 0750	<2	>5	
STEAM GENERATORS				
Sodium, ppb	9/17/96 0055	<0.190	> 20	
Chloride, ppb	9/17/96 0055	<0.5	> 20	
Sulfate, ppb	9/17/96 0055	0.679	> 20	
Total Cation Conductivity, µS/cm	9/17/96 0055	0.79		
C	9/17/96 0055	0.10	>0.8	
Calculated Cation Conductivity, µS/cm	9/11/96- 9/17/96	0.081	> 0.8	
Activity, µCi/g	9/17/96 0055	ND	(3)	
MAIN STEAM				
Acetate, ppb	9/11/96 0800	29.5	<100 (2)	
Total Cation Conductivity, µS/cm	9/17/96 0055	0.453		
Calculated Cation Conductivity, µS/cm	9/11/96- 9/17/96	0.069	<0.2 (2)	
HEATER DRAINS				
Total Cation Conductivity, µS/cm	9/17/96 0055	0.877		
Calculated Cation Conductivity, µS/cm	9/11/96- 9/17/96	0.074		

NOTES:

(1) Circled values have exceeded action level

(2) Control Band (Not an Action Level)

(3) per CX0901.20, limit is 1.0E-3 µCi/g. Notify Supervision if > 1.0E-6 µCi/g

Technician: Jim Glass

riginal: Chemistry department file

Copies: Control Room (FAX #4087), Training Center (FAX #2138), CH&HP Manager

REVISED: 07-15-96

NORTH ATLANTIC

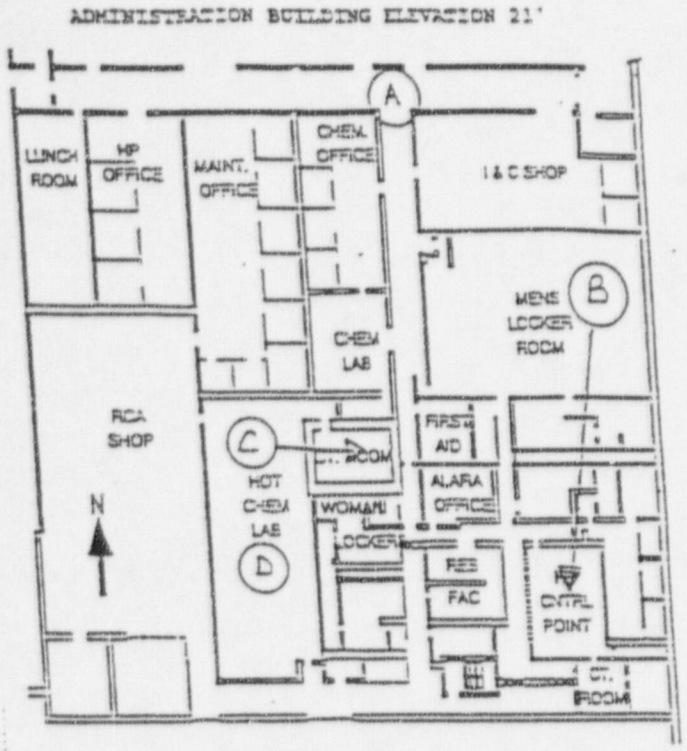
SEABROOK STATION

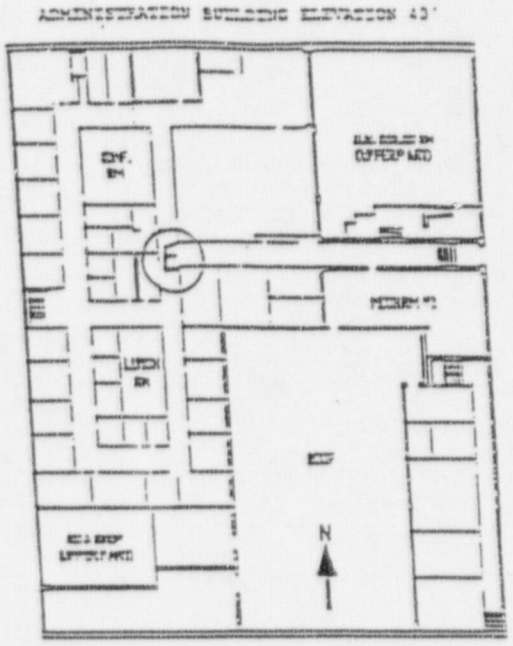
1996 EXERCISE

8.2 IN-PLANT DATA

In-Plant Survey Data

Admin Building



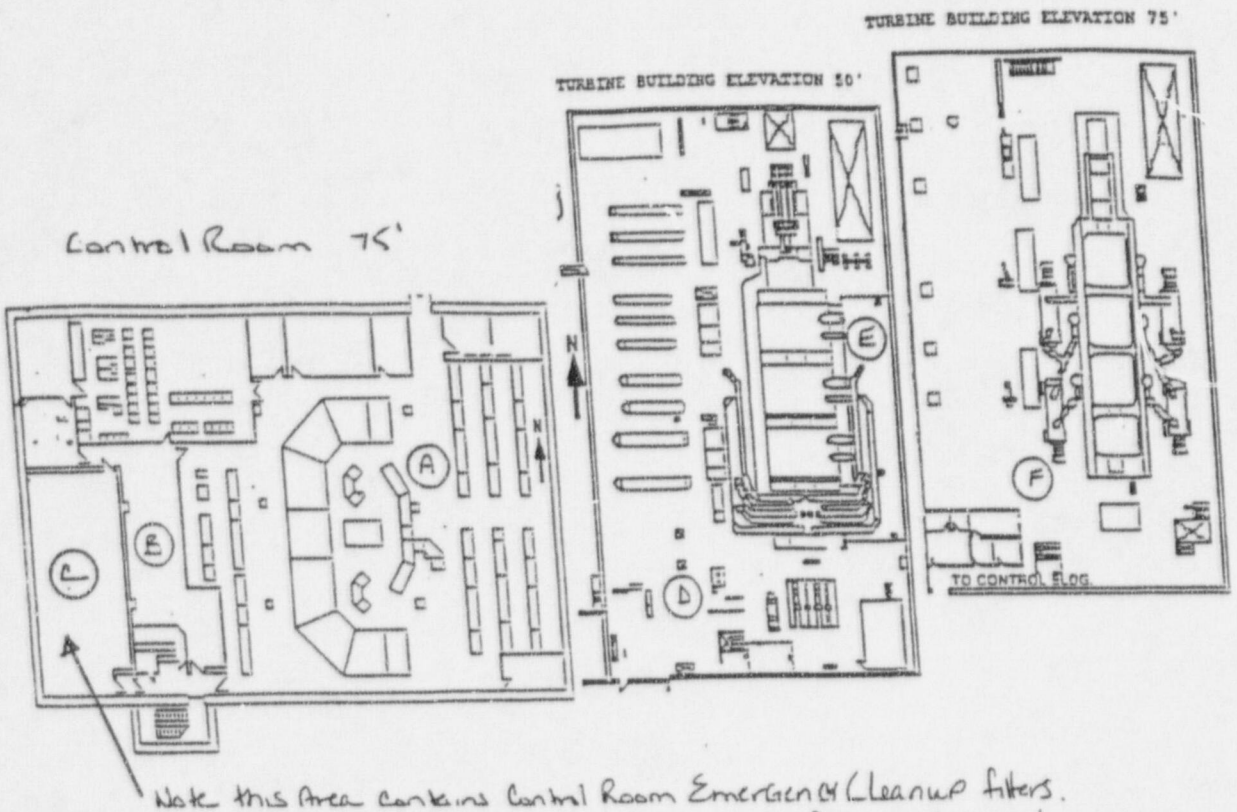


TIME	Dose Rate Smear Results	ZONE-A	ZONE-B	ZONE-C	ZONE-D	ZONE-E
0800-1207	(mr/hr)	<0.2	<0.2	<0.2	<0.2	<0.2
	(ccpm)	*	*	*	*	*
1208 - 1215	(mr/hr)	<0.2	0.5	0.9	1.8	3.6
	(ccpm)	*	*	*	*	*
1216 - 1230	(mr/hr)	<0.2	0.5	0.9	1.8	3.6
	(ccpm)	*	*	*	*	*
1231 - 1245	(mr/hr)	<0.2	0.4	0.8	1.8	3.6
	(ccpm)	*	*	*	*	*
1246 - 1300	(mr/hr)	<0.2	0.3	0.7	1.6	3.2
	(ccpm)	*	*	*	*	*
1301 - 1315	(mr/hr)	<0.2	0.3	0.4	1.4	2.8
	(ccpm)	*	*	*	*	*
1316 - 1330	(mr/hr)	<0.2	0.3	0.4	0.8	1.6
	(ccpm)	*	*	*	*	*
1331 - 1345	(mr/hr)	<0.2	0.3	0.4	0.8	1.6
	(ccpm)	*	*	*	*	*
1346 - 1445	(mr/hr)	<0.2	0.3	0.4	0.8	1.6
	(ccpm)	*	*	*	*	*

*Dose Rate/ Smear Results "as read" on survey instrument in use.

Radiological conditions assume Admin. Building Ventilation is shut down.

Control Room, TGB 50 & 75



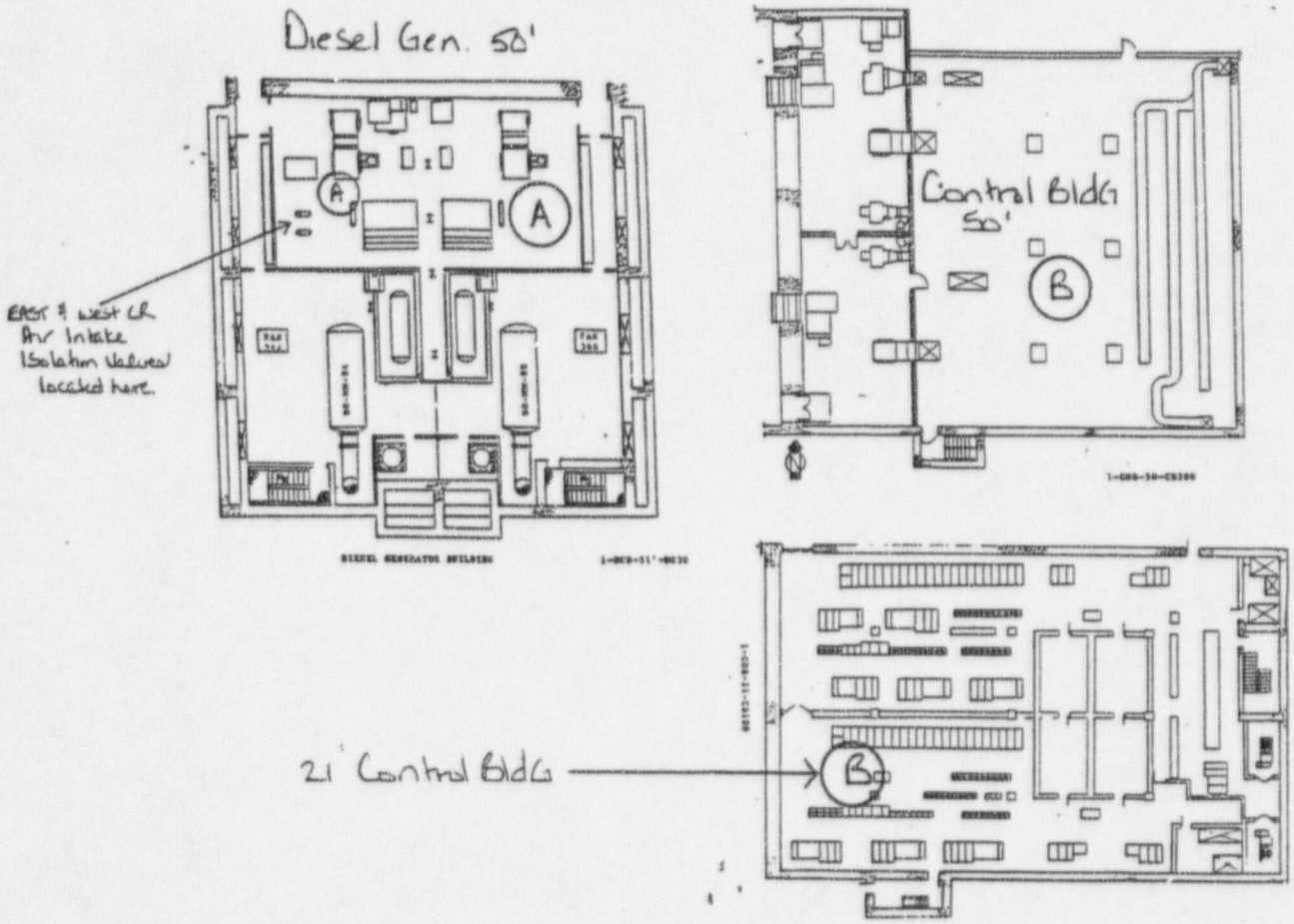
Note this Area contains Control Room Emergency Cleanup filters. If intake (west) ventilation is not isolated - Dose rates will increase due to buildup on filters. Noble Gas activity will also be present in the Control Room / TSC

TIME	Dose Rate Smear Results	ZONE-A	ZONE-B	ZONE-C	ZONE-D	ZONE-E	ZONE-F
0800-1207	(mr/hr)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	(ccpm)	*	*	*	*	*	*
1208 - 1215	(mr/hr)	<0.2	<0.2	<0.2	0.5	<0.2	4.5
	(ccpm)	*	*	*	*	*	*
1216 - 1230	(mr/hr)	<0.2	<0.2	<0.2	0.4	<0.2	4.4
	(ccpm)	*	*	*	*	*	*
1231 - 1245	(mr/hr)	<0.2	<0.2	<0.2	0.4	<0.2	4.4
	(ccpm)	*	*	*	*	*	*
1246 - 1300	(mr/hr)	<0.2	<0.2	<0.2	0.4	<0.2	3.8
	(ccpm)	*	*	*	*	*	*
1301 - 1315	(mr/hr)	<0.2	<0.2	<0.2	0.3	<0.2	3.5
	(ccpm)	*	*	*	*	*	*
1316 - 1330	(mr/hr)	<0.2	<0.2	<0.2	0.2	<0.2	2.1
	(ccpm)	*	*	*	*	*	*
1331 - 1345	(mr/hr)	<0.2	<0.2	<0.2	<0.2	<0.2	2
	(ccpm)	*	*	*	*	*	*
1346 - 1445	(mr/hr)	<0.2	<0.2	<0.2	<0.2	<0.2	2
	(ccpm)	*	*	*	*	*	

*Dose Rate/ Smear Results "as read" on survey instrument in use.

NOTE: Radiological conditions assume Control Room West air intake is isolated.

Diesel Gen & Control Bldg



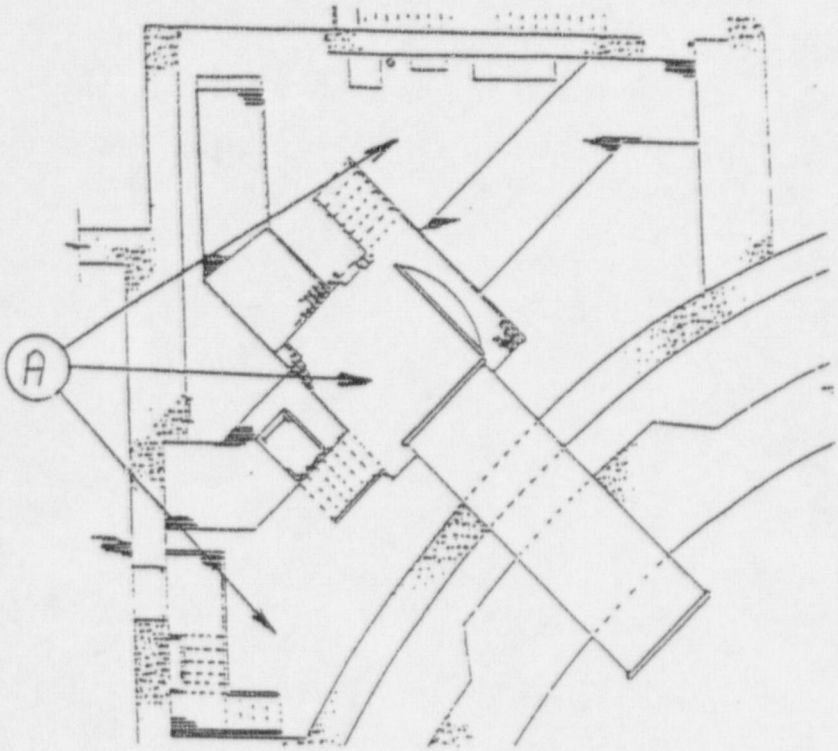
Dose rates & contaminaton levels are due to airborne migration through intake plenum (50'DGB), and migration through the remainder of the control building (except the control room). This assumes intake fans are isolated, if not use information from outside plume maps.

TIME	Dose Rate Smear Results	ZONE-A	ZONE-B	
0800-1207	(mr/hr) (ccpm)	As read *	As read *	
1208-1215	(mr/hr) (ccpm)	5/4 2k	2/1.5 1k	(Open window/Closed window reading)
1216-1245	(mr/hr) (ccpm)	30/25 10k	10/8 3k	
1246-1315	(mr/hr) (ccpm)	20/15 20k	7/5 6k	
1316-1445	(mr/hr) (ccpm)	10/8 25k	4/3 8k	

*Dose Rate/ Smear Results "as read" on survey instrument in use.

NOTE: Control Room Air intake isolation valves located on 50' DGB.

PERSONNEL HATCH



TIME	Dose Rate Smear Results	ZONE-A
0800-0815	(mr/hr) (ccpm)	<0.2 *
0816-0830	(mr/hr) (ccpm)	1 *
0831 - 0930	(mr/hr) (ccpm)	2 *
0931 - 1000	(mr/hr) (ccpm)	3 *
1001 - 1015	(mr/hr) (ccpm)	7 *
1016 - 1030	(mr/hr) (ccpm)	10 *
1031 - 1100	(mr/hr) (ccpm)	17 *
1101 - 1130	(mr/hr) (ccpm)	20 *
1131 - 1207	(mr/hr) (ccpm)	75 *
1208 - 1215	(mr/hr) (ccpm)	10.5k/9300 5K
1216 - 1230	(mr/hr) (ccpm)	10.2k/8900 11K
123* - 1245	(mr/hr) (ccpm)	9.8k/8600 17K
1246 - 1300	(mr/hr) (ccpm)	9.4k/8200 23K
1301 - 1315	(mr/hr) (ccpm)	9k/7900 28K
1316 - 1330	(mr/hr) (ccpm)	8.6k7500 33K
1331 - 1345	(mr/hr) (ccpm)	8.1k7100 33K
1346 - 1445	(mr/hr) (ccpm)	8.1k/7100 36K

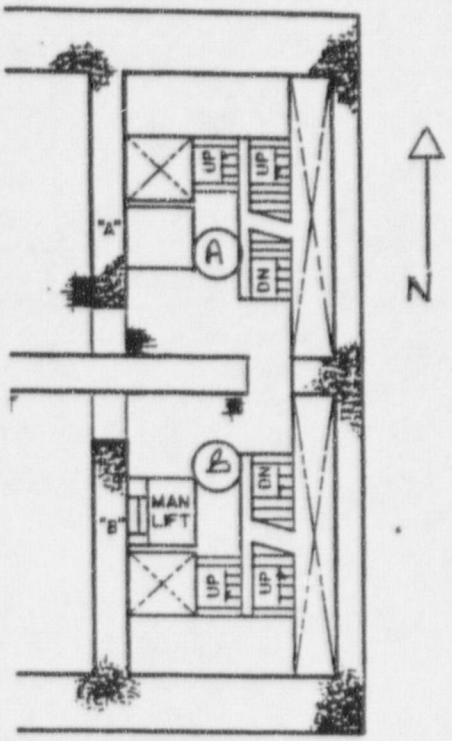
(Personnel Hatch door fails @1205 containment air blows out PH.)

*Dose Rate/ Smear Results "as read" on survey instrument in use.

REFER TO AIR SAMPLE DATA SHEET FOR AIR SAMPLE & ISOTOPIC DATA

Dose rates after 1208 are recorded as (open window)/(closed window).

-31 RHR Stairwell



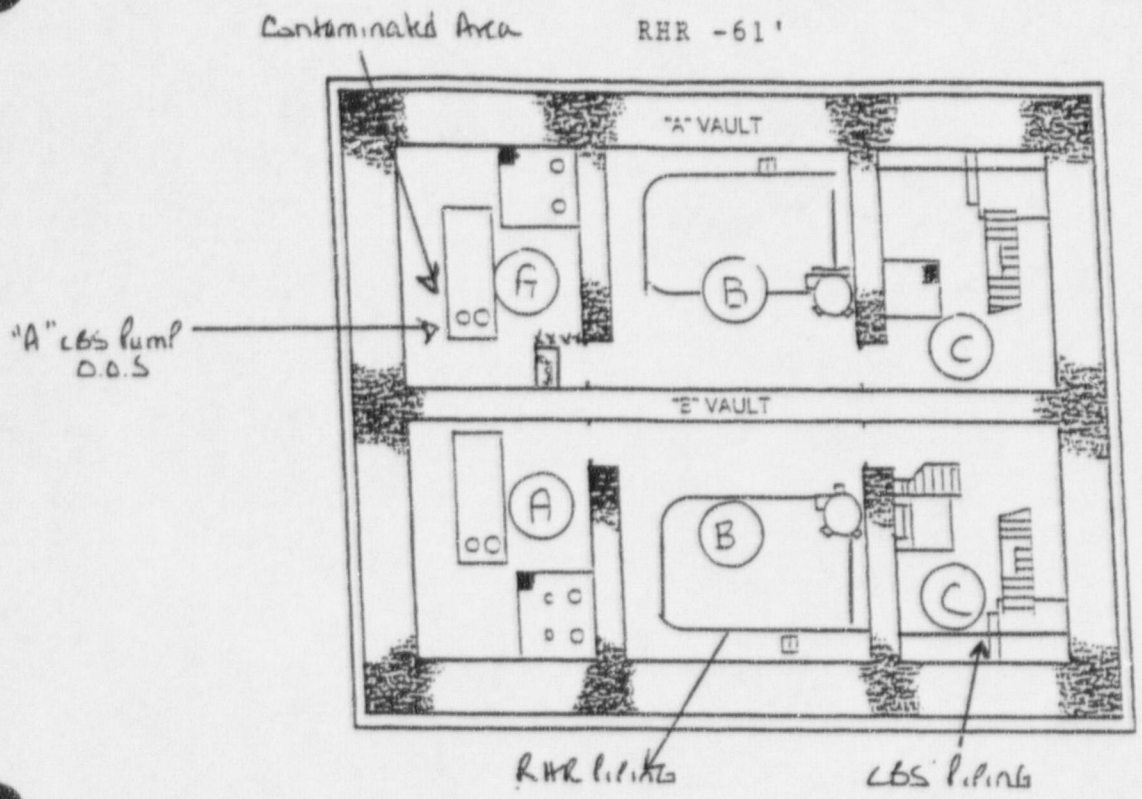
TIME	Dose Rate Smear Results	ZONE-A	ZONE-B
0800-1200	(mr/hr) (ccpm)	10 *	10 *
1201 - 1215	(mr/hr) (ccpm)	10 *	10 *
1216 - 1230	(mr/hr) (ccpm)	10 *	10 *
1231 - 124	(mr/hr) (ccpm)	10 *	10 *
1246 - 130	(mr/hr) (ccpm)	10 [2] *	130/40 [1] *
1301 - 131	(mr/hr) (ccpm)	10 [2] *	120/35 [1] *
1316 - 133	(mr/hr) (ccpm)	10 [2] *	120/35 [1] *
1331 - 134	(mr/hr) (ccpm)	10 [2] *	120/35 [1] *
1346 - 144	(mr/hr) (ccpm)	10 [2] *	120/35 [1] *

*Dose Rate/ Smear Results "as read" on survey instrument in use.

[1] Contact on RHR piping/ General Area Dose Rates. Dose rates in -41 stairwell near RHR piping are the same as -31.

[2] Operations will enter Cold Leg Recirc at 1245. Only "B" CBS pump is operable.
Dose rates in "A" vault will only increase if "A" CBS pump is repaired & put inservice. Then the dose rates will be the same as "B" vault.

-61 RHR



TIME	Dose Rate Smear Results	ZONE-A	ZONE-B	ZONE-C
0800-1200	(mr/hr) (ccpm)	1.5 5000* (B Vault)	20 *	0.5 *
1201 - 1215	(mr/hr) (ccpm)	1.5 5000* (B Vault)	20 *	0.5 *
1216 - 1230	(mr/hr) (ccpm)	1.5 5000* (B Vault)	20 *	0.5 *
1231 - 1245	(mr/hr) (ccpm)	1.5 5000* (B Vault)	20 *	0.5 *
1246 - 1300	(mr/hr) (ccpm)	15 5000* (B Vault)	180/80[1] *	180/80[1] *
1301 - 1315	(mr/hr) (ccpm)	15 5000* (B Vault)	175/75[1] *	175/75[1] *
1316 - 1330	(mr/hr) (ccpm)	15 5000* (B Vault)	175/75[1] *	175/75[1] *
1331 - 1345	(mr/hr) (ccpm)	15 5000* (B Vault)	175/75[1] *	175/75[1] *
1346 - 1445	(mr/hr) (ccpm)	15 5000* (B Vault)	175/75[1] *	175/75[1] *

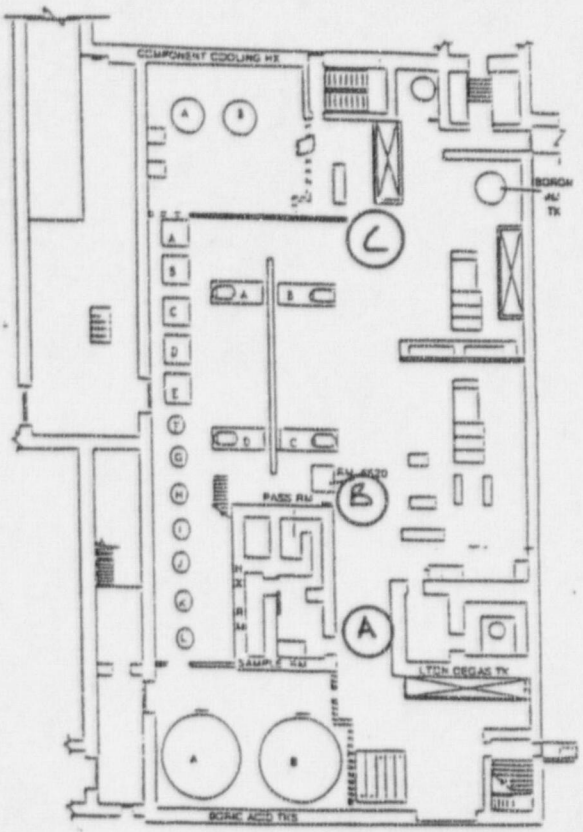
*Dose Rate/ Smear Results "as read" on survey instrument in use.

[1] Contact on RHR & CBS piping/ General Area Dose Rates

Note: Operations will enter Cold Leg Recirc at 1245. Only "B" CBS pump is operable.
Dose rates in "A" vault will only increase if "A" pump is repaired & put inservice. Then the dose rates will be the same as "B" vault.

PAB 25

PAB 25'

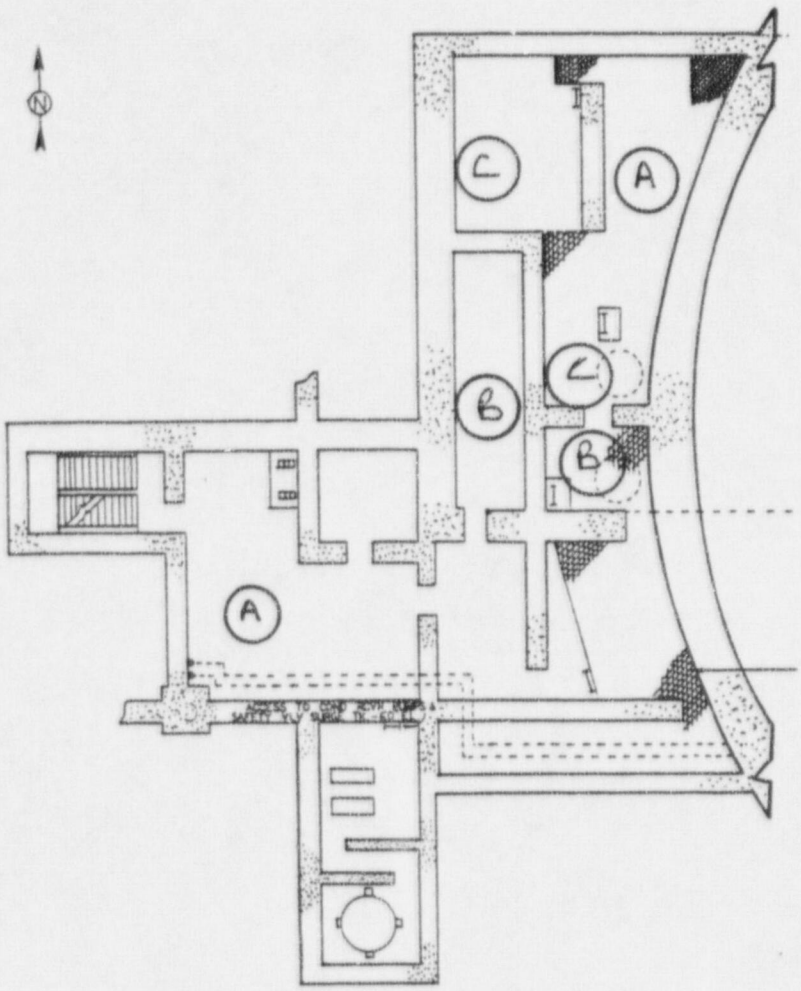


TIME	Dose Rate Smear Results	ZONE-A	ZONE-B	ZONE-C
0800-0900	(mr/hr)	2	120	2
	(ccpm)	*	*	*
0901 - 1000	(mr/hr)	2	85	2
	(ccpm)	*	*	*
1001 - 1059	(mr/hr)	1	50	1
	(ccpm)	*	*	*
1000 - 1159	(mr/hr)	0.5	20	0.5
	(ccpm)	*	*	*
1200 - 1259	(mr/hr)	0.5	20	0.5
	(ccpm)	*	*	*
1300 - 1359	(mr/hr)	0.5	20	0.5
	(ccpm)	*	*	*
1400 - 1445	(mr/hr)	0.5	20	0.5
	(ccpm)	*	*	*

*Dose Rate/ Smear Results "as read" on survey instrument in use.

Note: Elevated dose rates due to high RCS activity in letdown monitor piping.

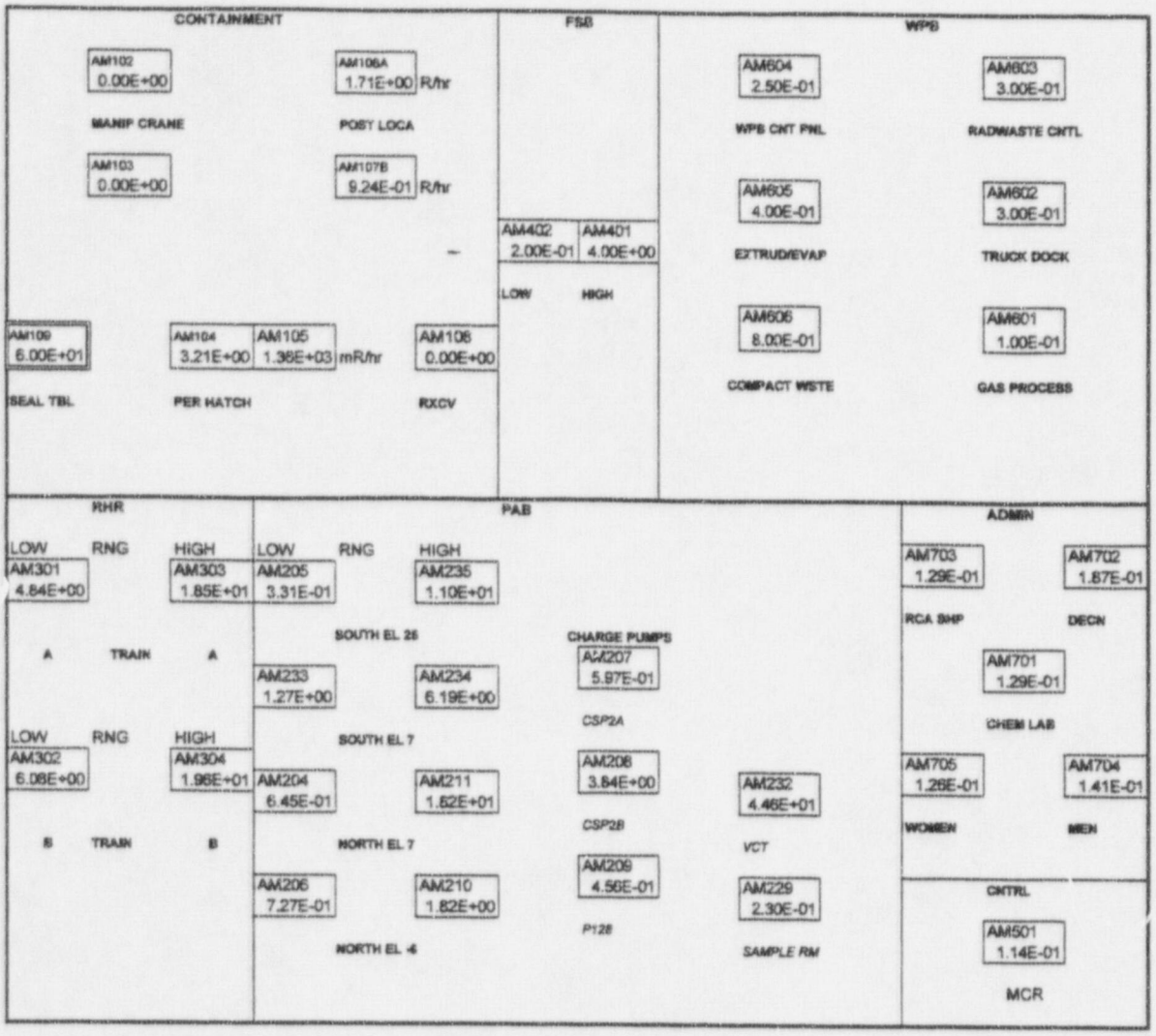
Mech Pen



TIME	Dose Rate Smear Results	ZONE-A	ZONE-B	ZONE-C
0800-1245	(mr/hr) (ccpm)	As read *	As read *	As read *
1246 - 1330	(mr/hr) (ccpm)	As read *	200/50[1] *	As read[2] *
1331 - 1430	(mr/hr) (ccpm)	As read *	180/45[1] *	As read[2] *
1431 - 1445	(mr/hr) (ccpm)	As read *	180/45[1] *	As read[2] *

[1] "As Read" until 1245, then dose rates are listed as Contact/Gen Area for "B" Train RHR/CBS piping areas
[2] "As Read" until "A" CBS pump is repaired, then dose rates are the same as "B" Train piping areas
* Dose rates /smear results ae "As Read" on survey instrument in use.

0800 - 0815

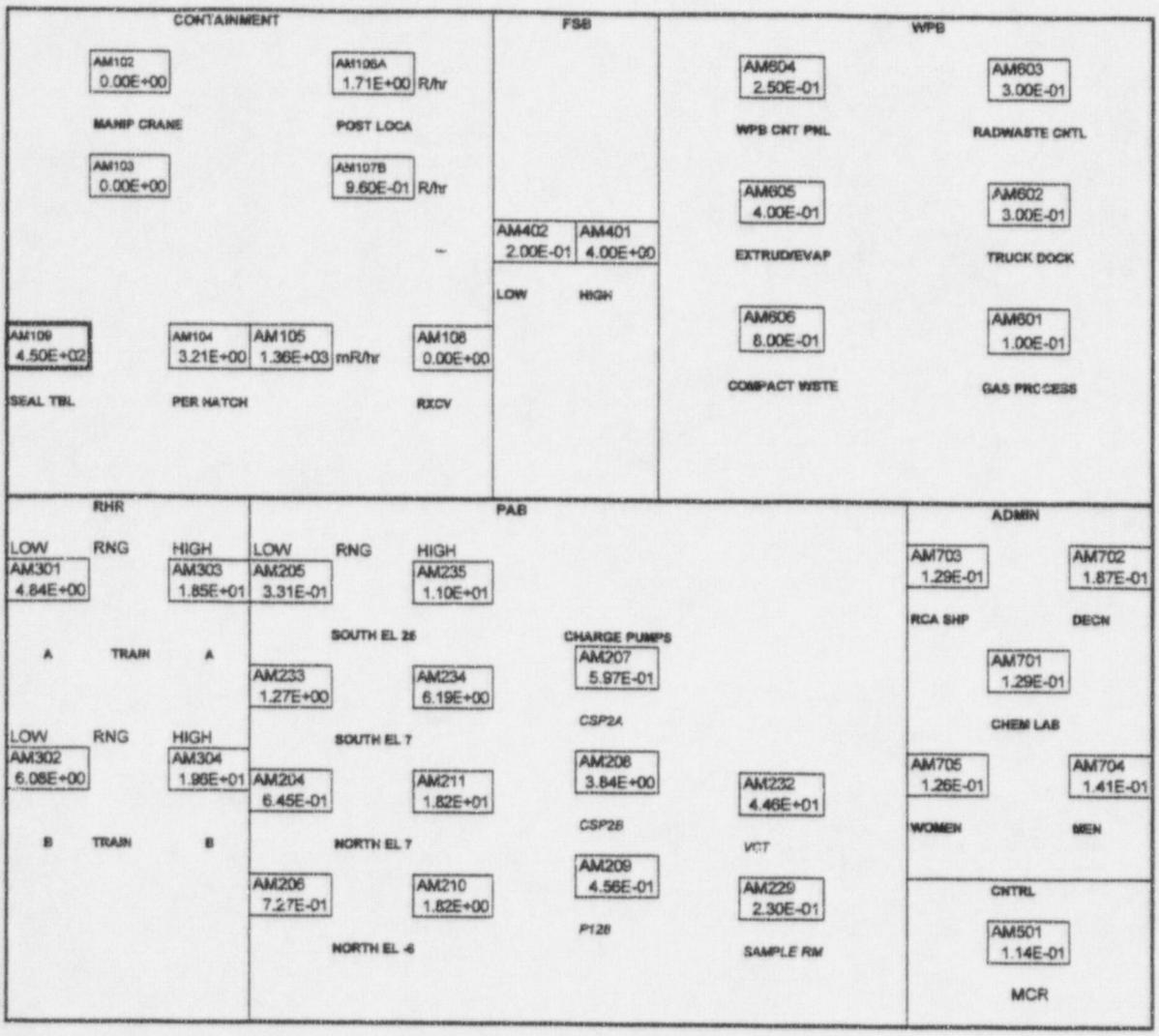


FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED



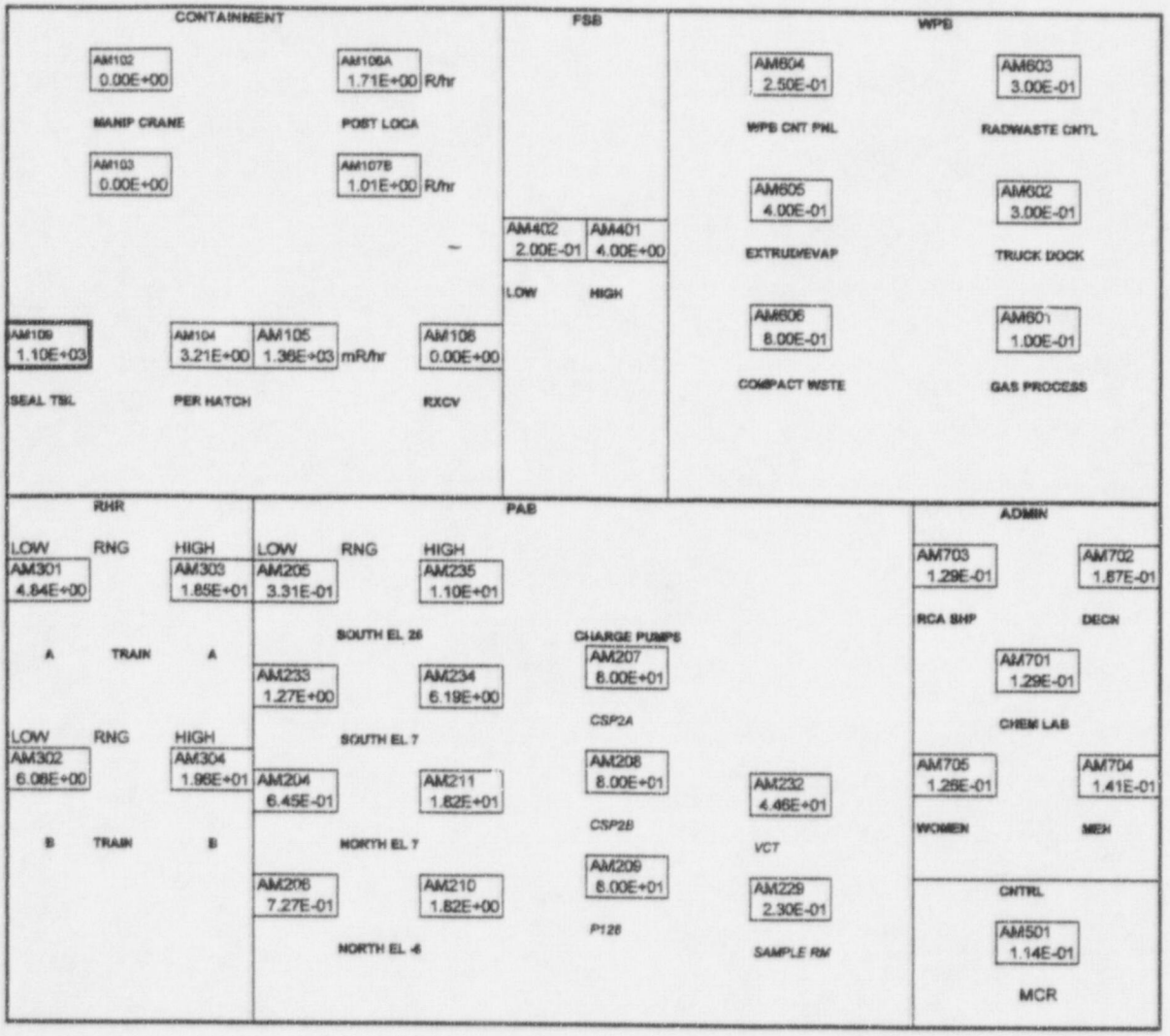
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

0831 - 0845



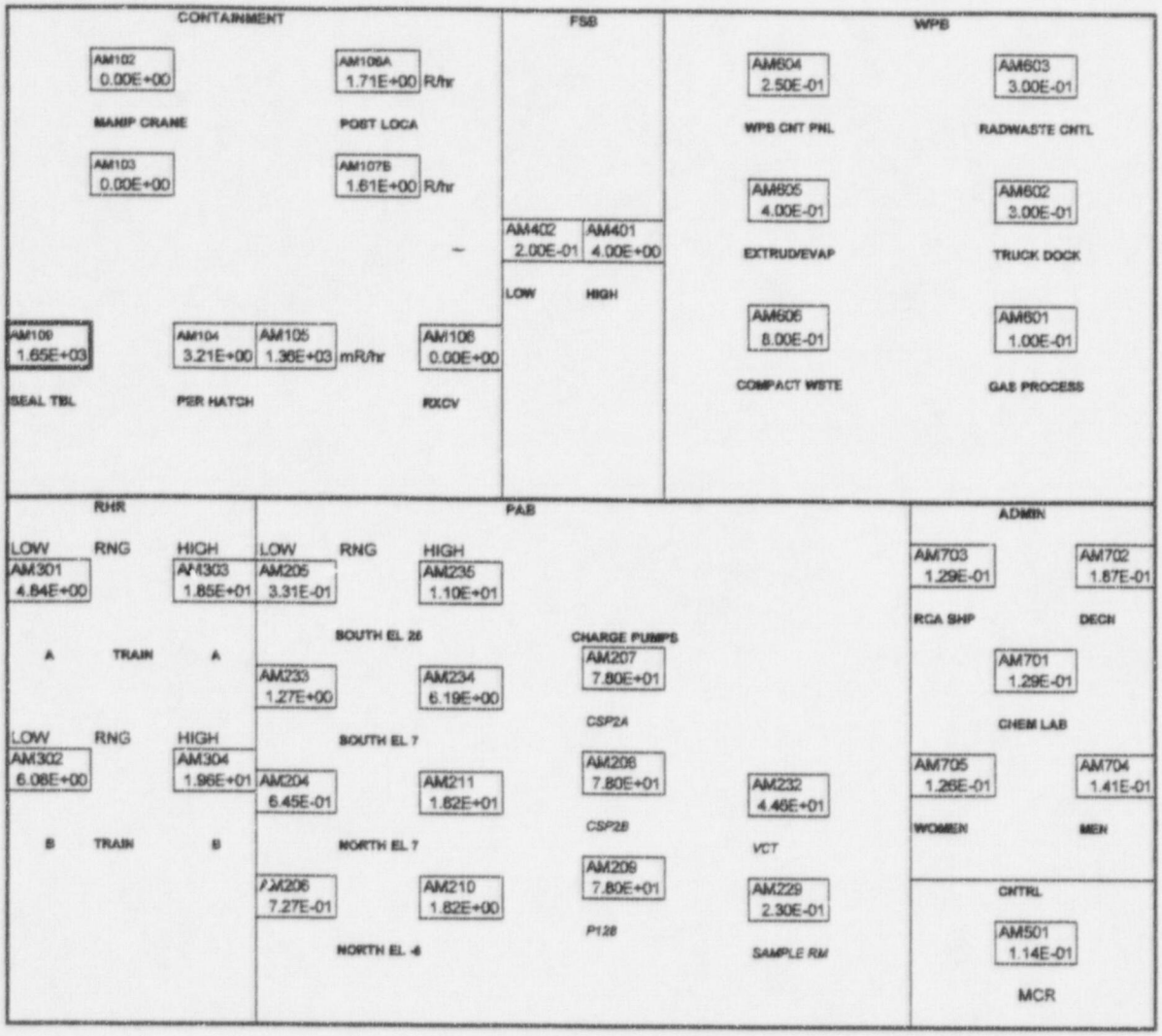
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

0845 - 0900



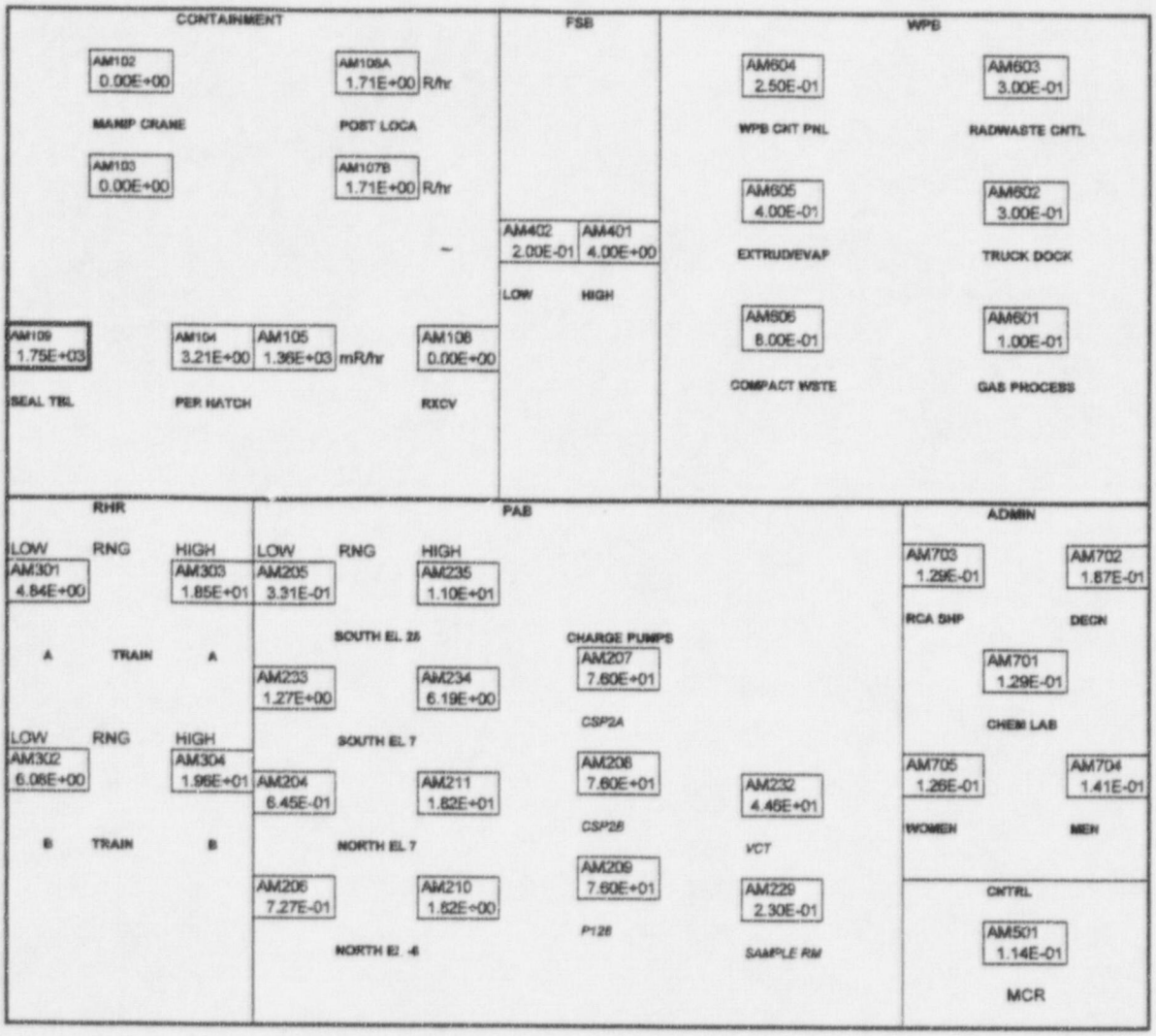
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

0901 - 0915

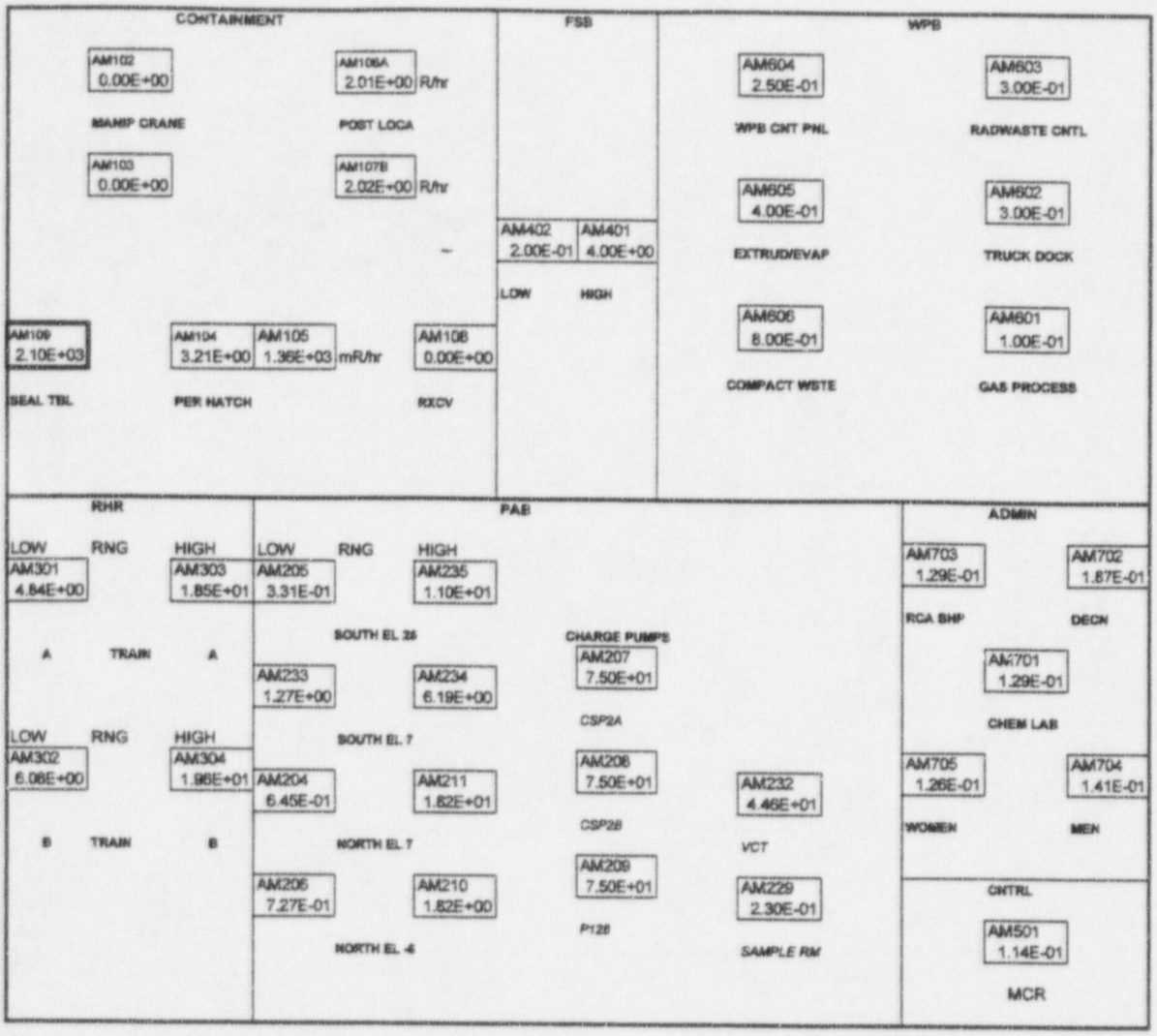


FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

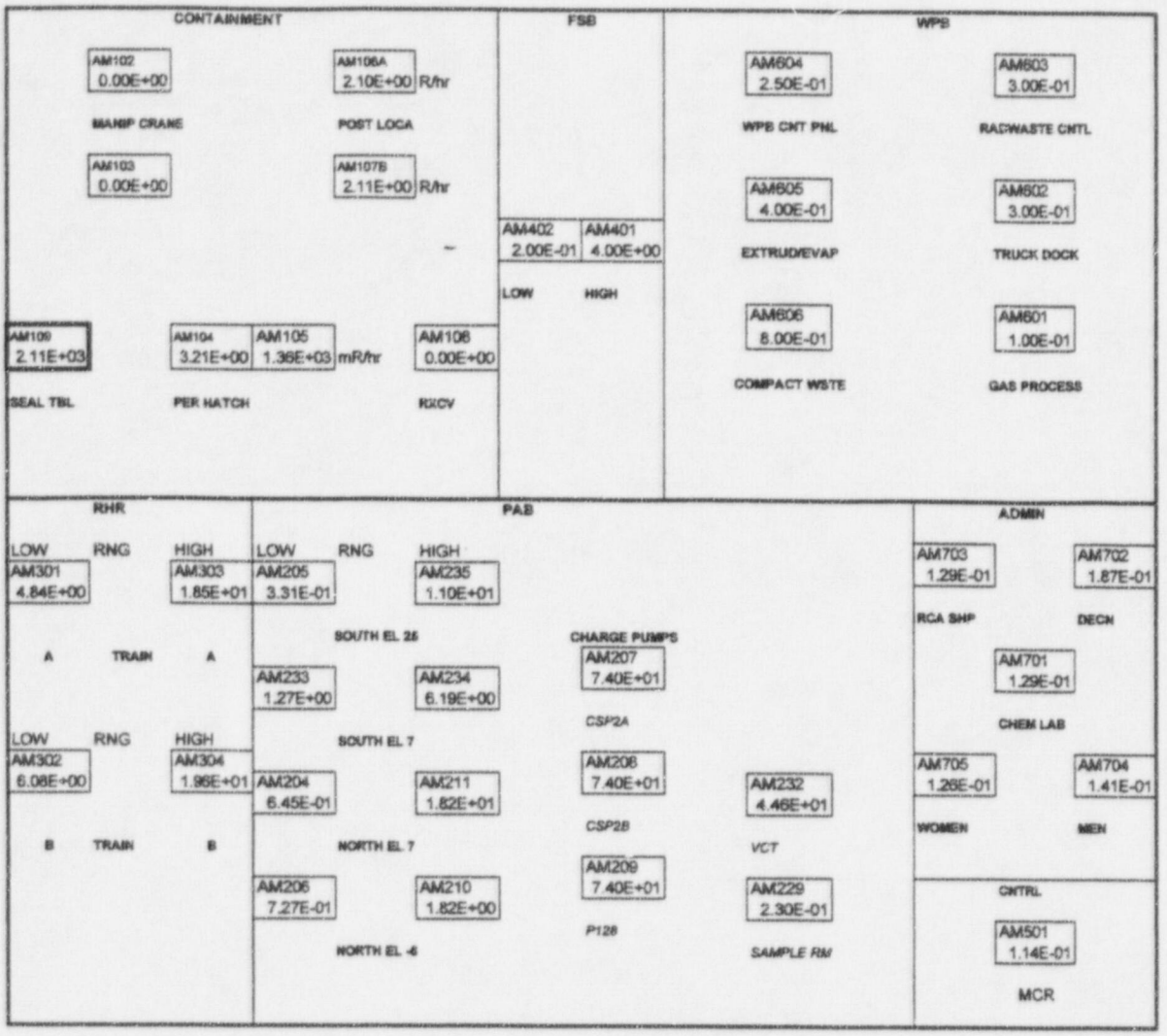


FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED



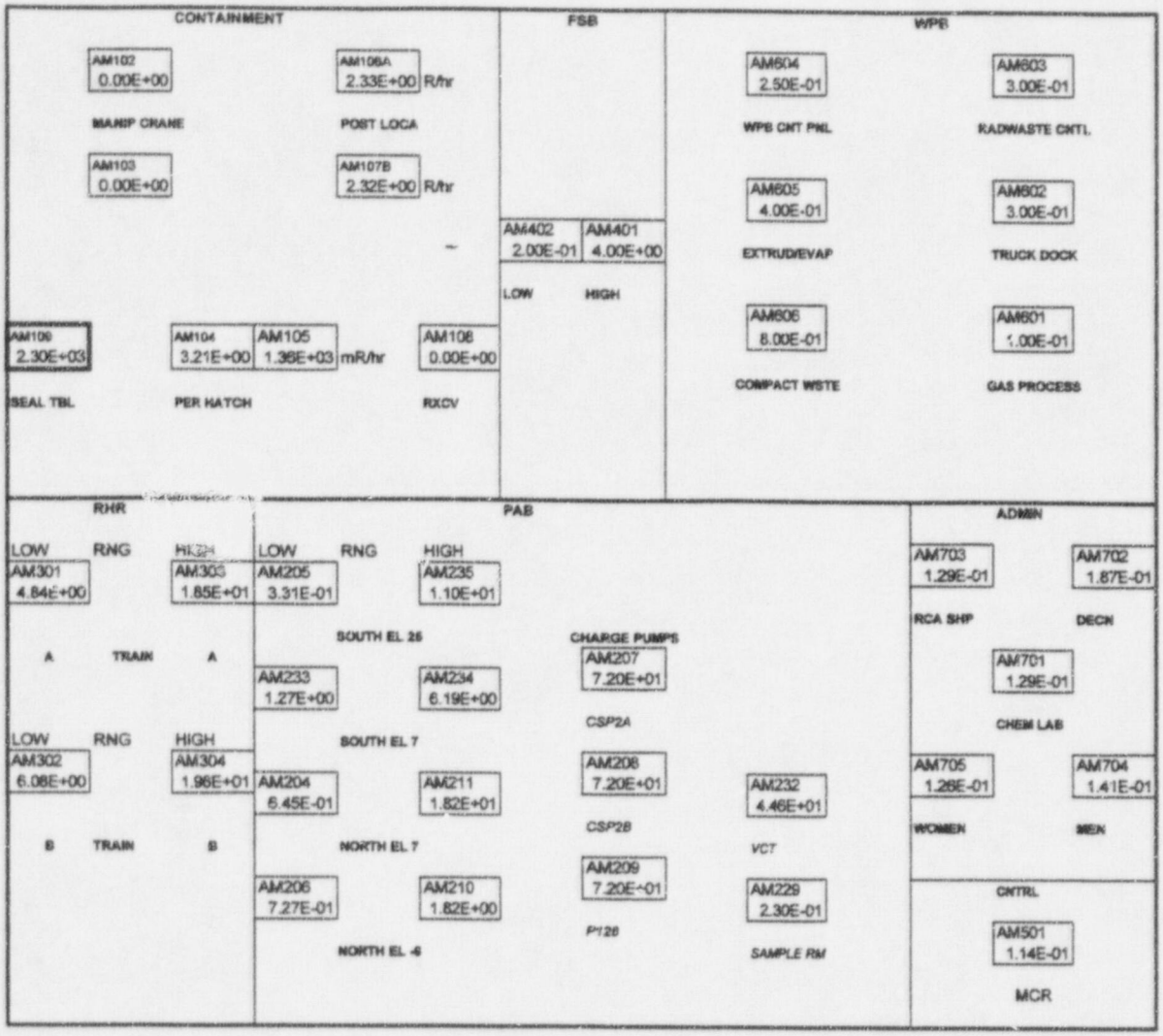
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

0946 - 1000



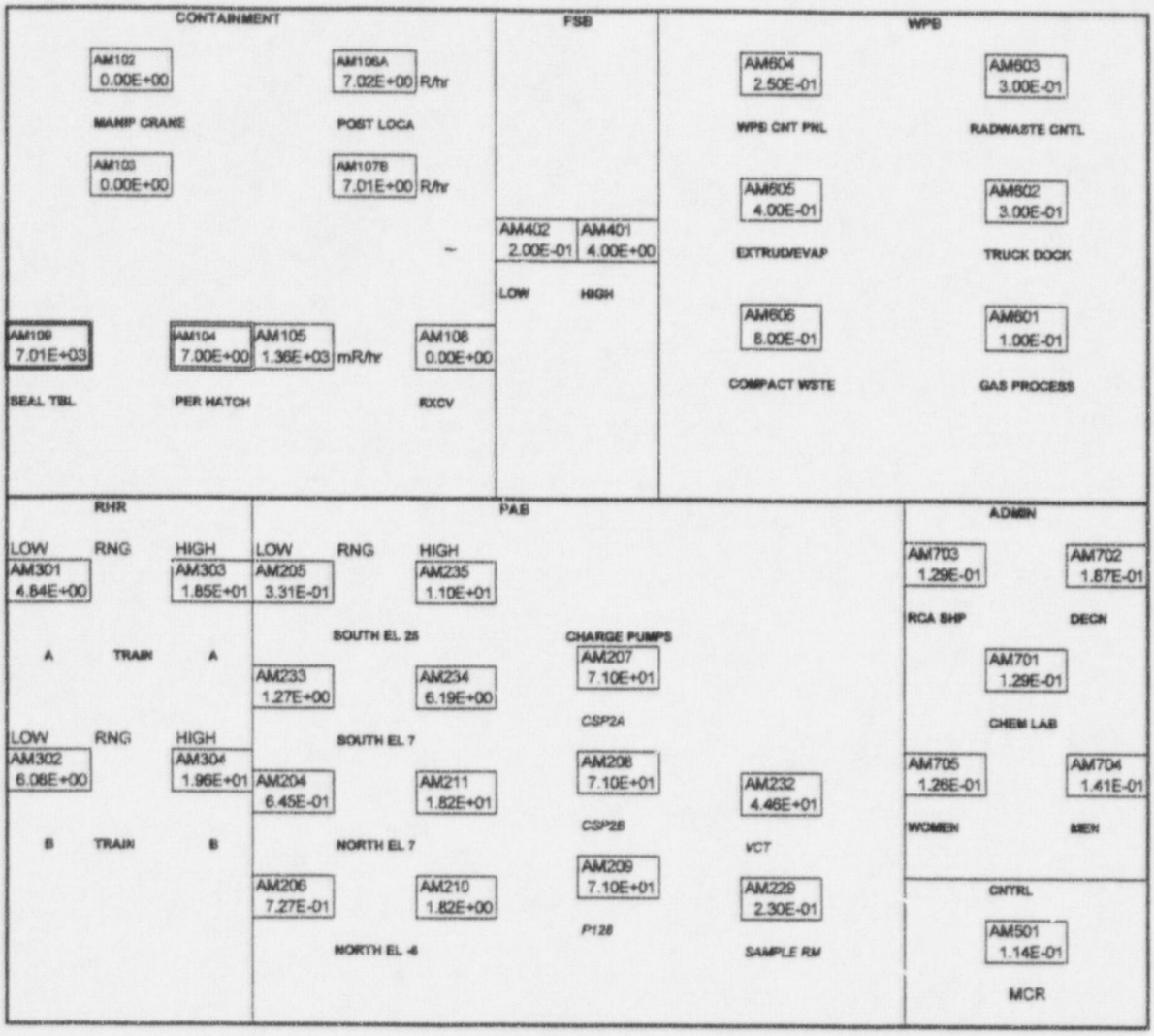
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

1001 - 1015

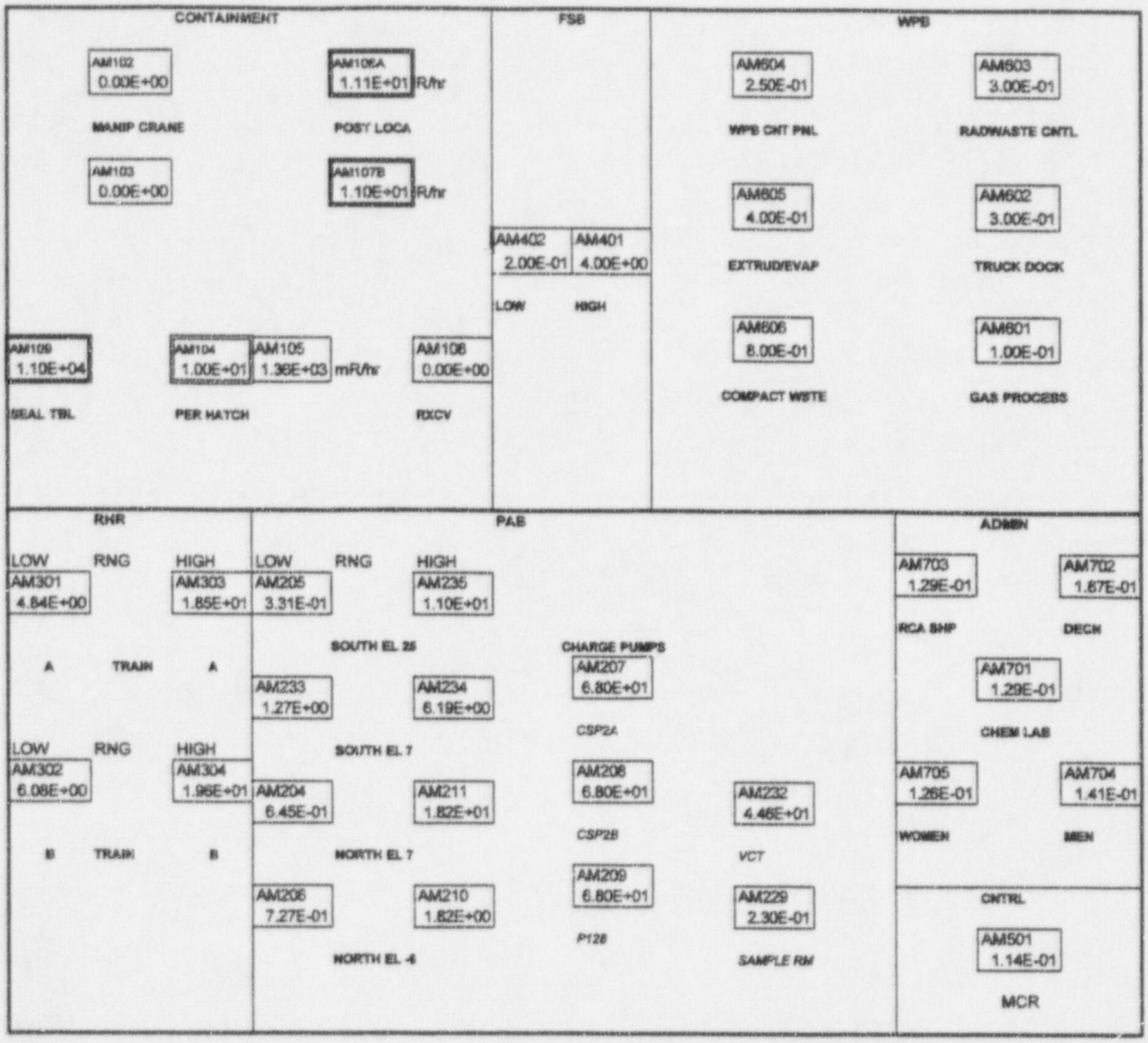


FLOWING FILTER ADVANCING PURGING CHECKSOURCE GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

1016 - 1030



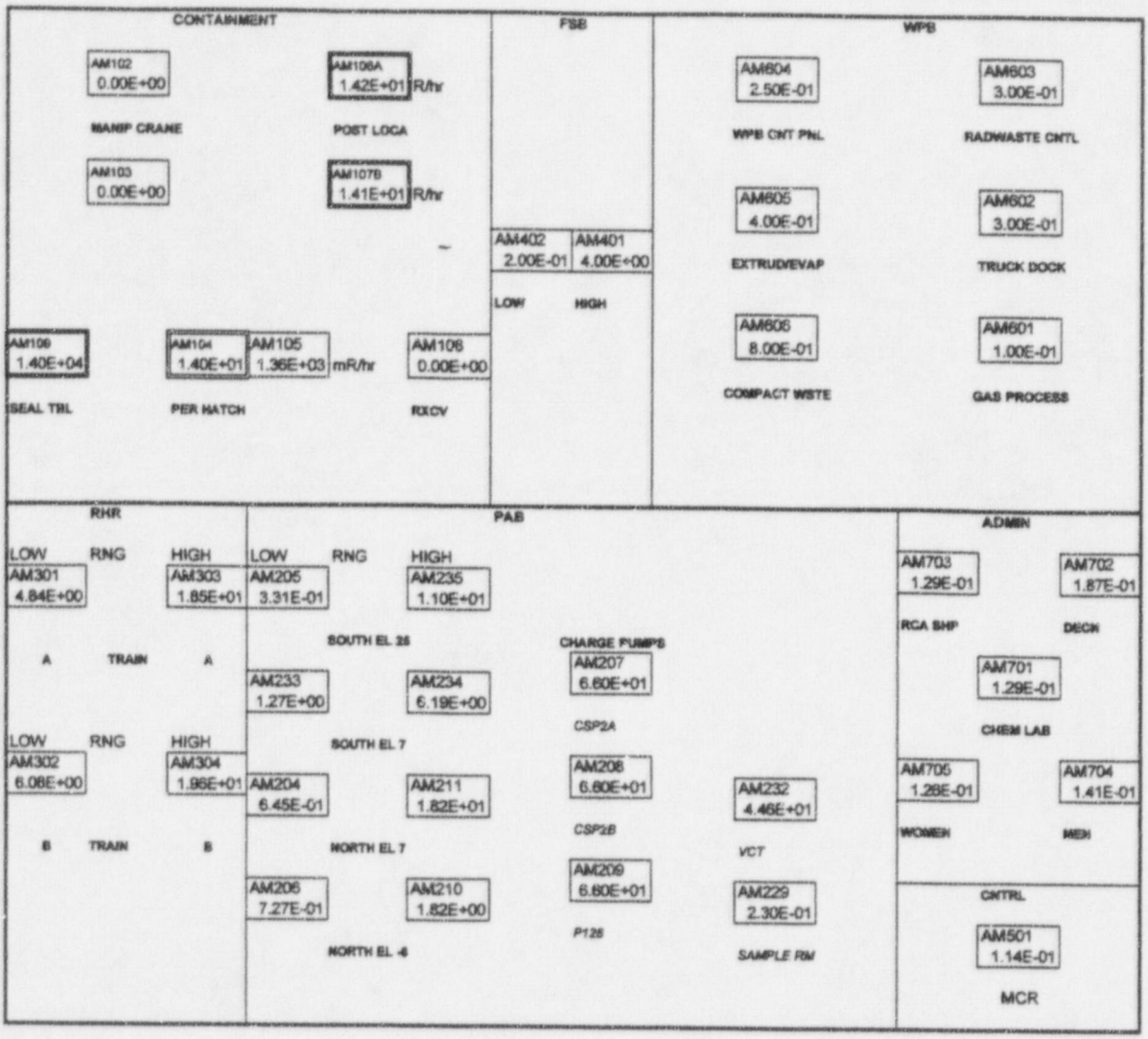
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

1031 - 1045

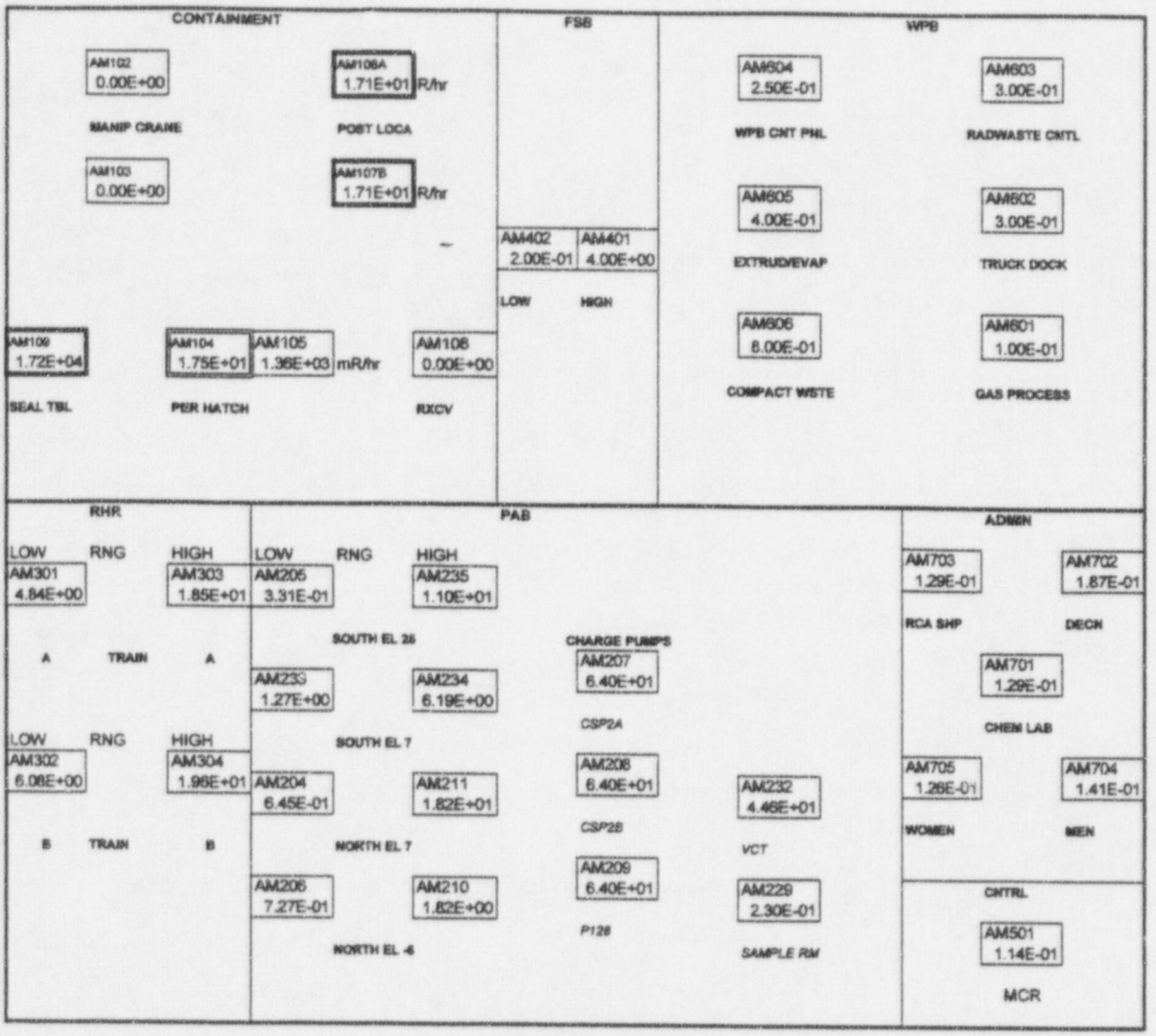


FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED



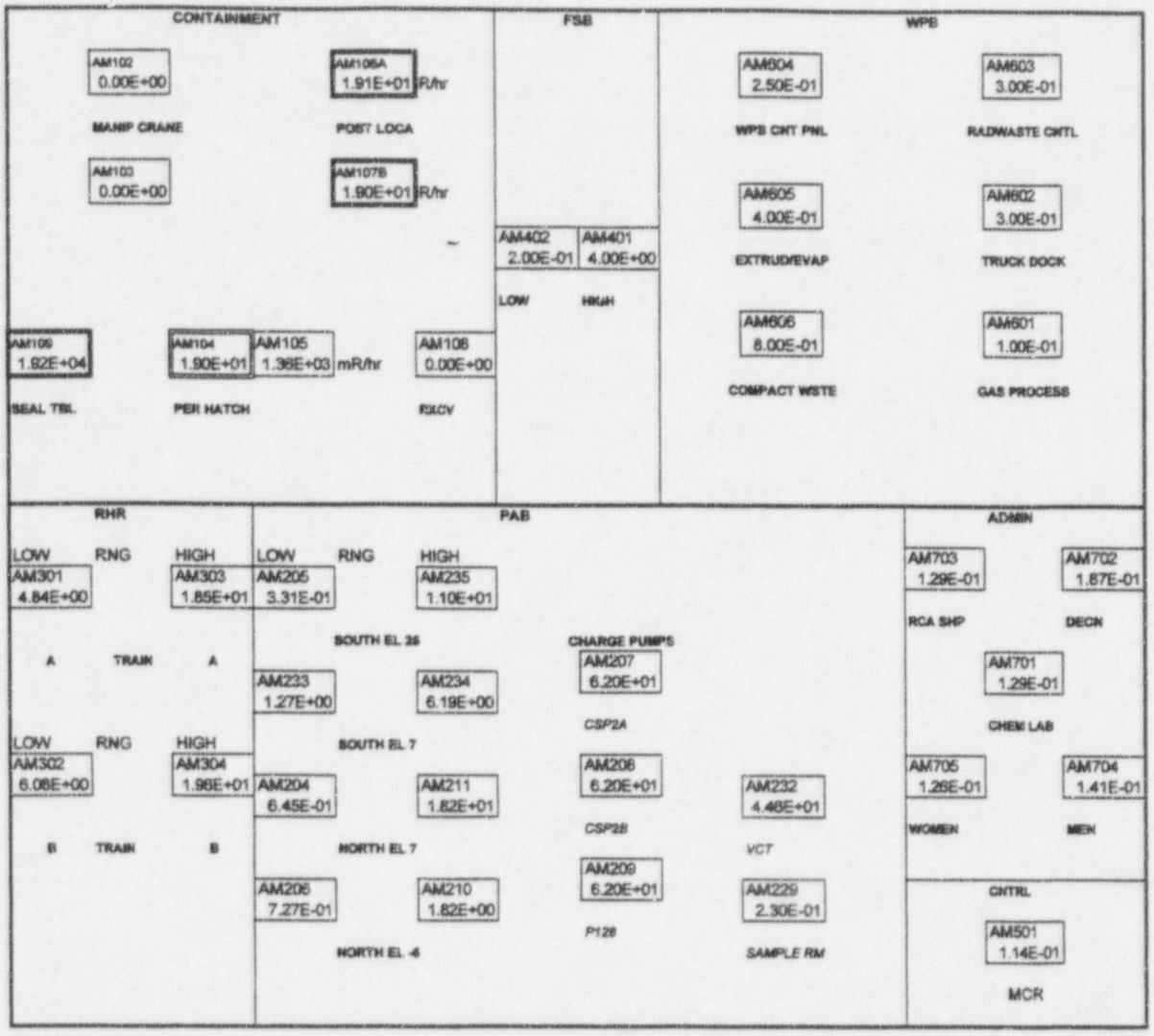
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

1101 - 1115



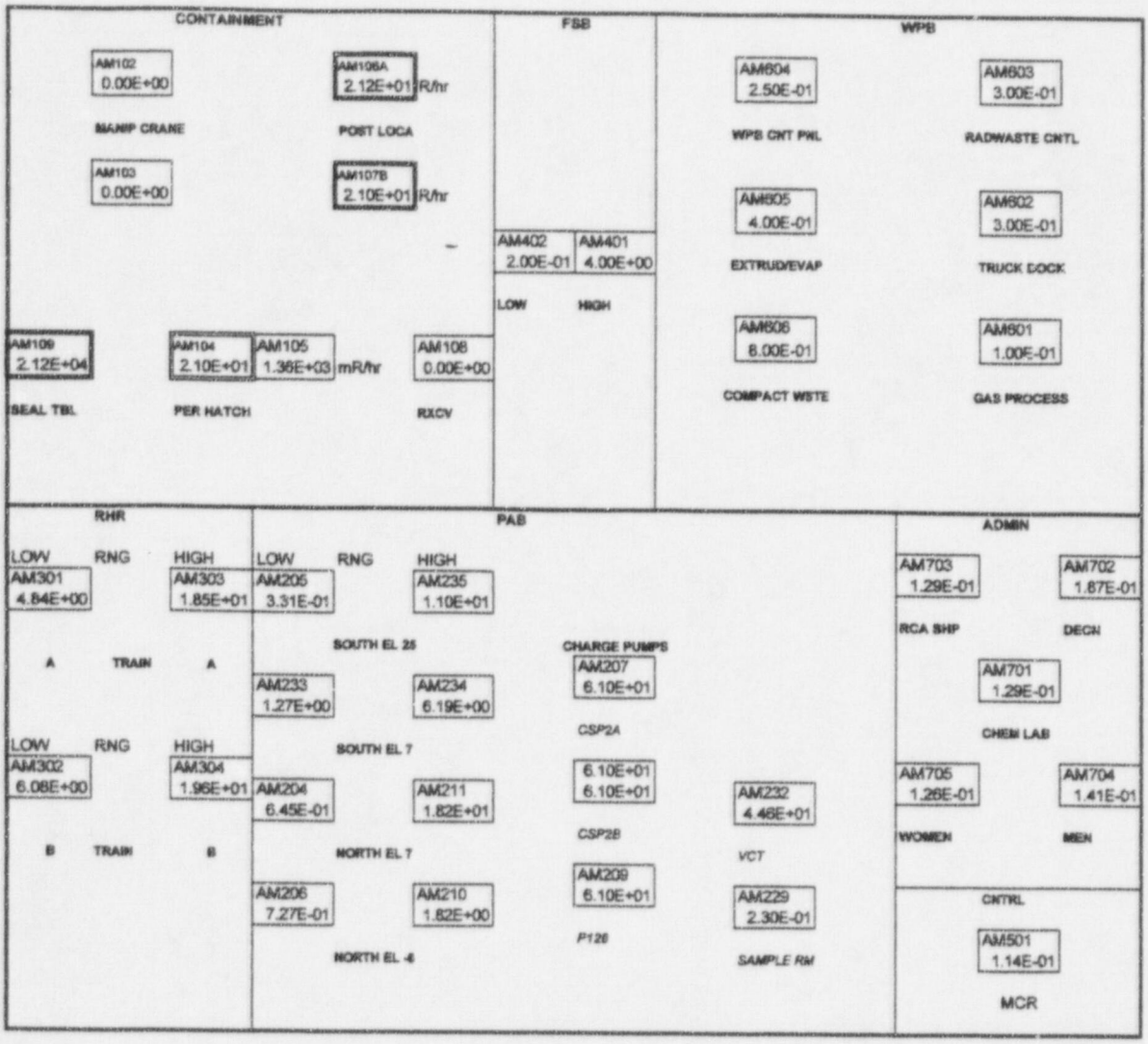
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

1116 - 1130



FLOWING FILTER ADVANCING PURGING CHECKSOURCE

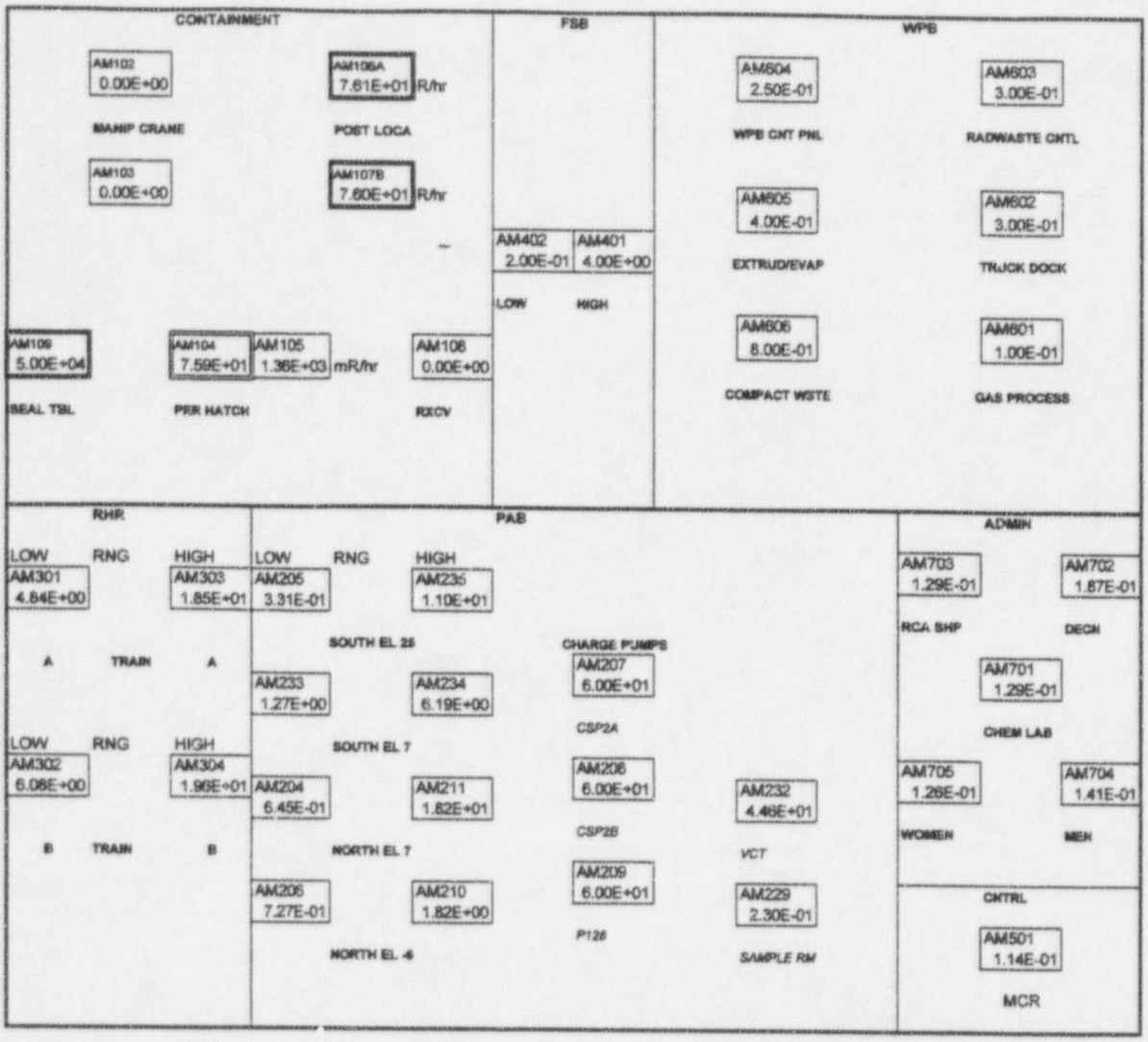
GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

Area Monitors

1131 - 1145



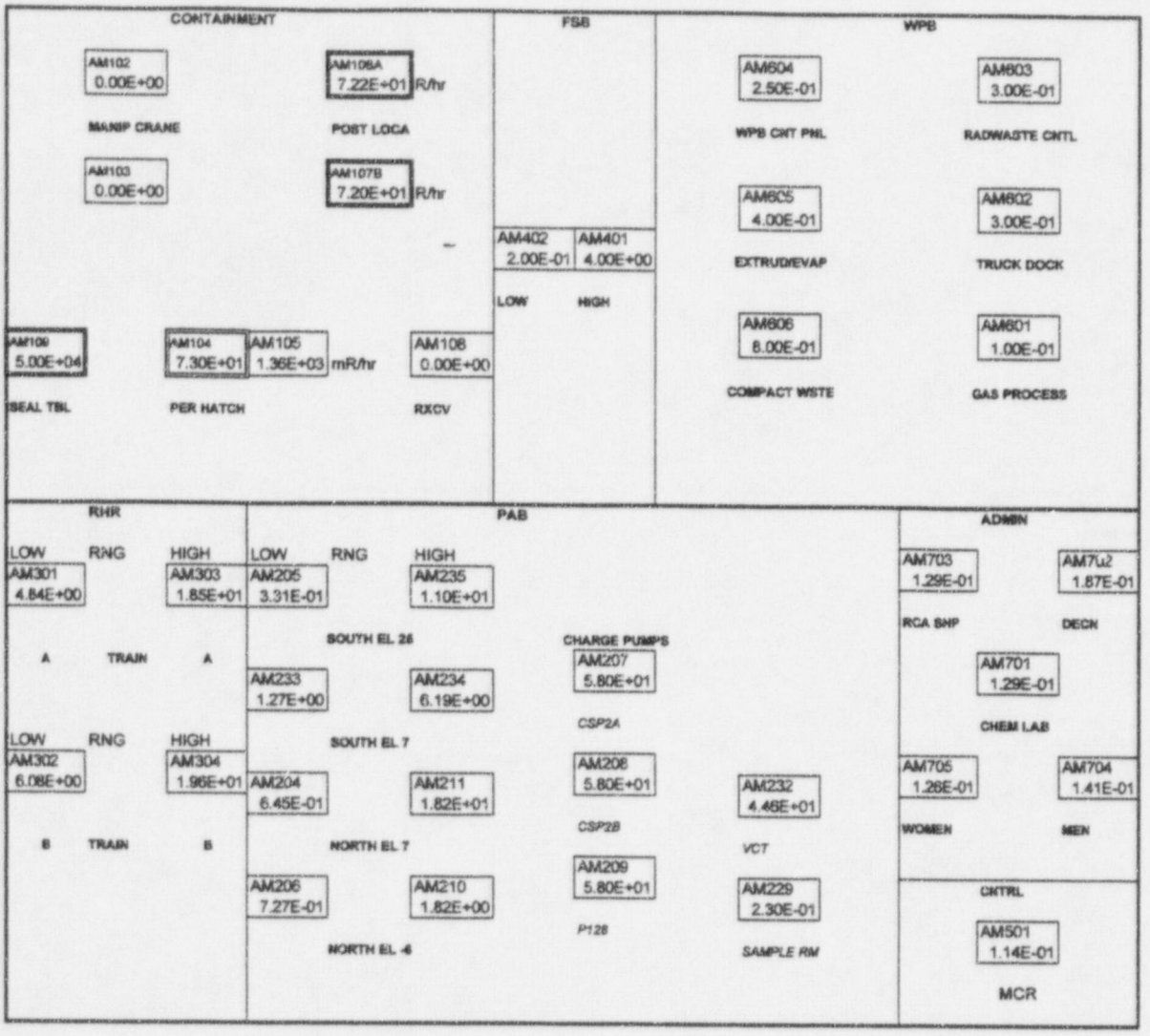
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

1146 - 1200



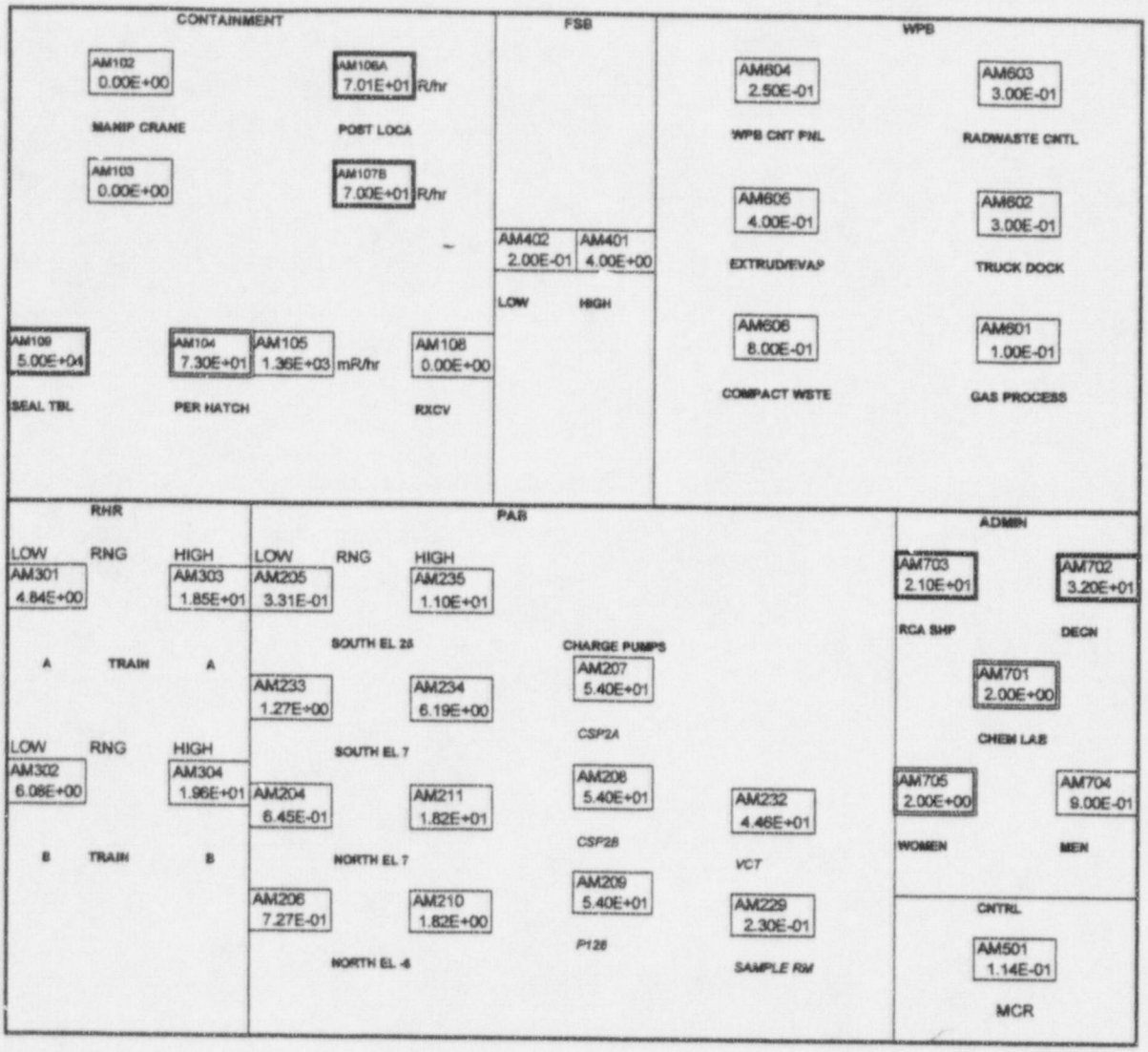
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

1201 - 1207



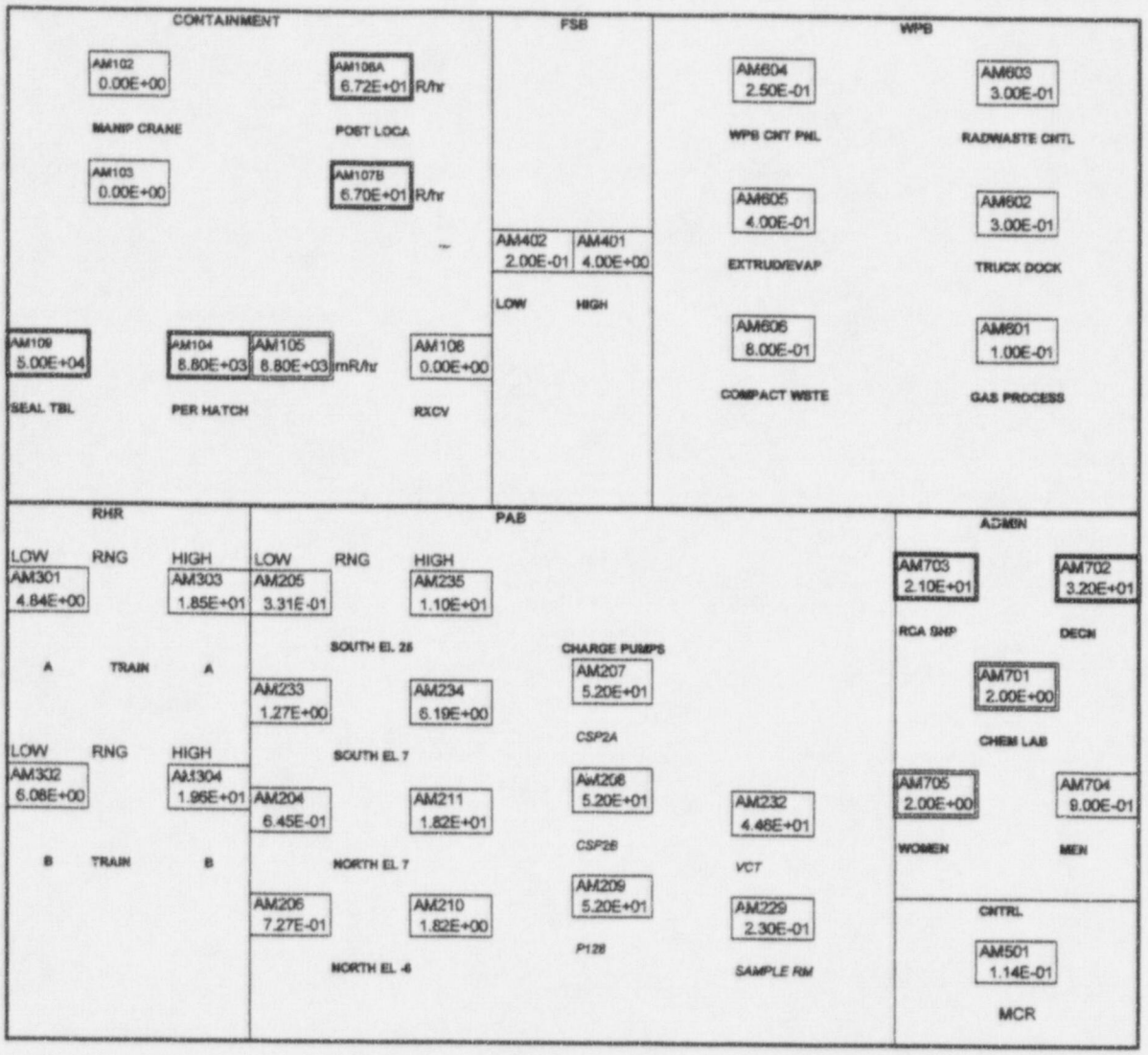
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

1208 - 1230



FLOWING FILTER ADVANCING PURGING CHECKSOURCE

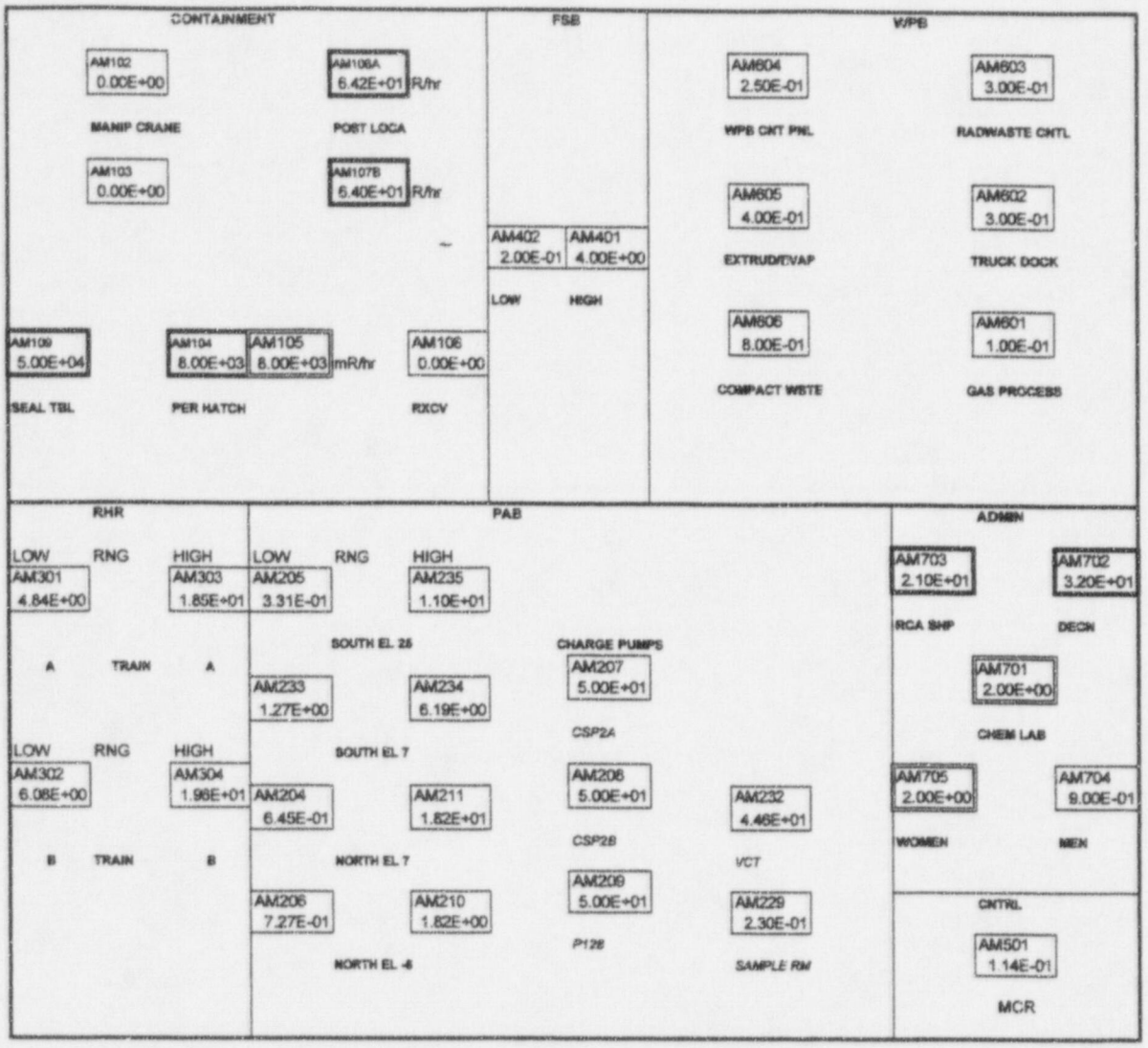
GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

Area Monitors

1231 - 1245

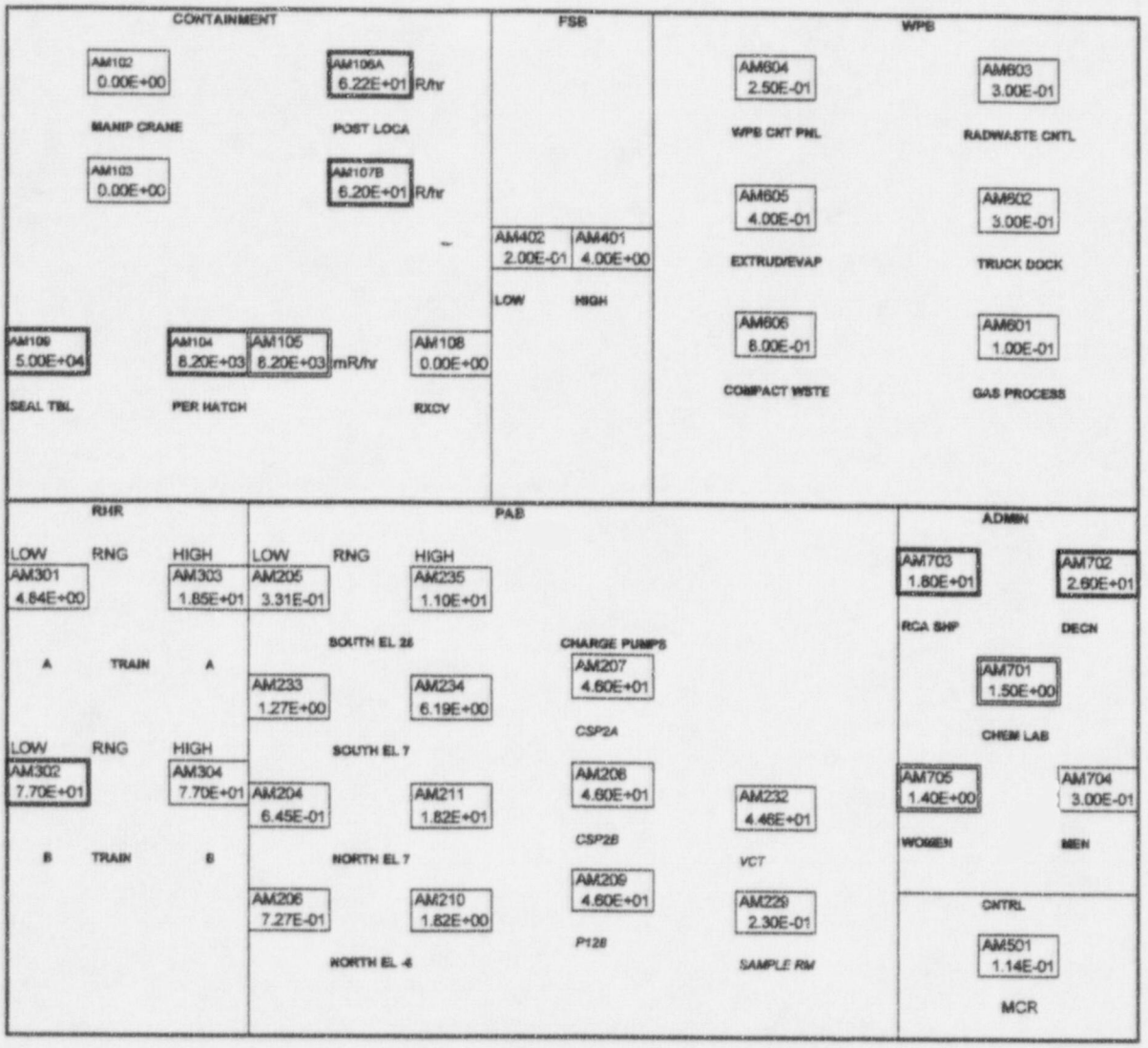


FLOWING FILTER ADVANCING PURGING CHECKSOURCE GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

Area Monitors



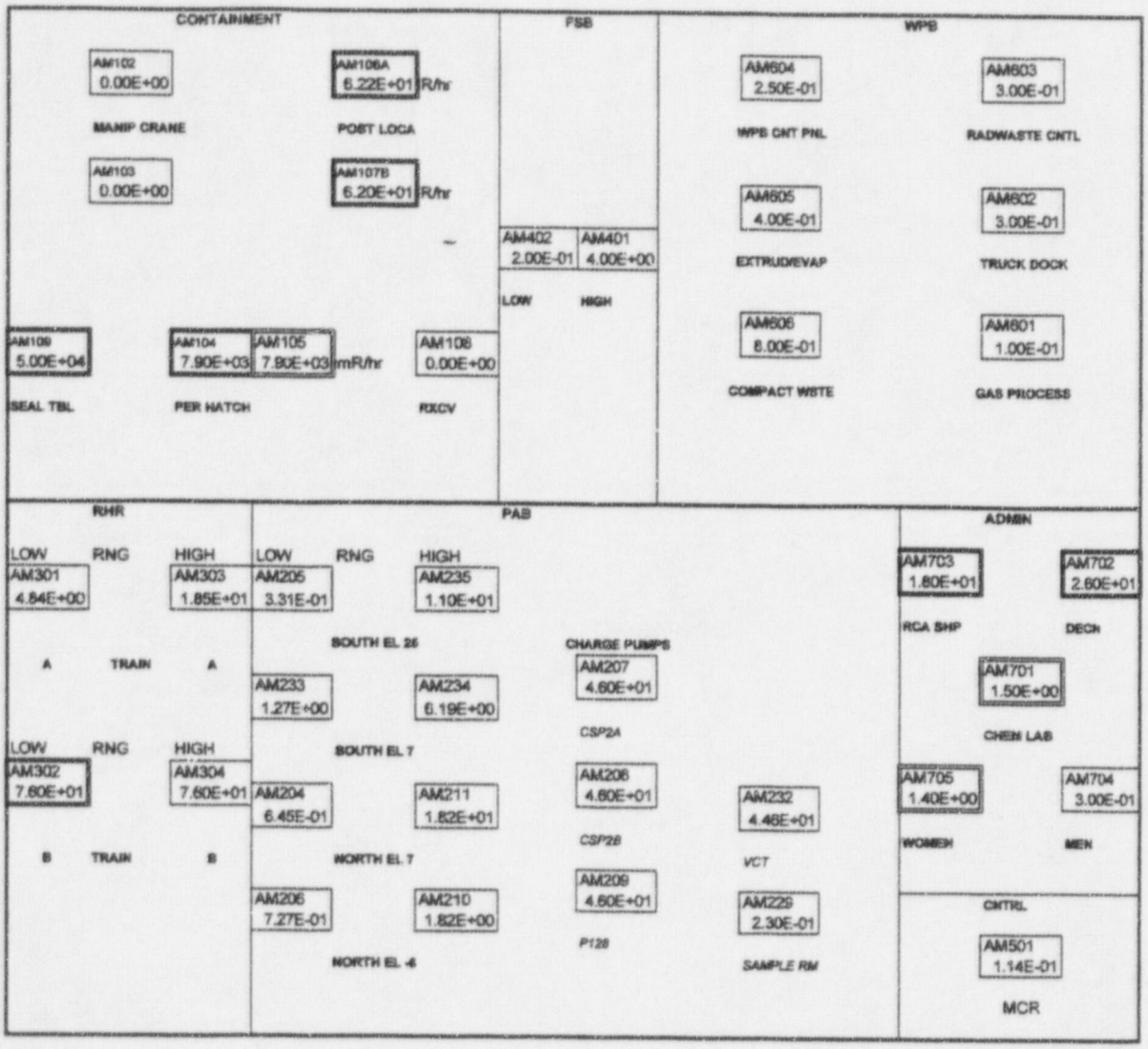
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

Dose Rates in "A" RHR Vault will be the same as in "B" Vault when "A" CBS pump is repaired/started.



FLOWING FILTER ADVANCING PURGING CHECKSOURCE

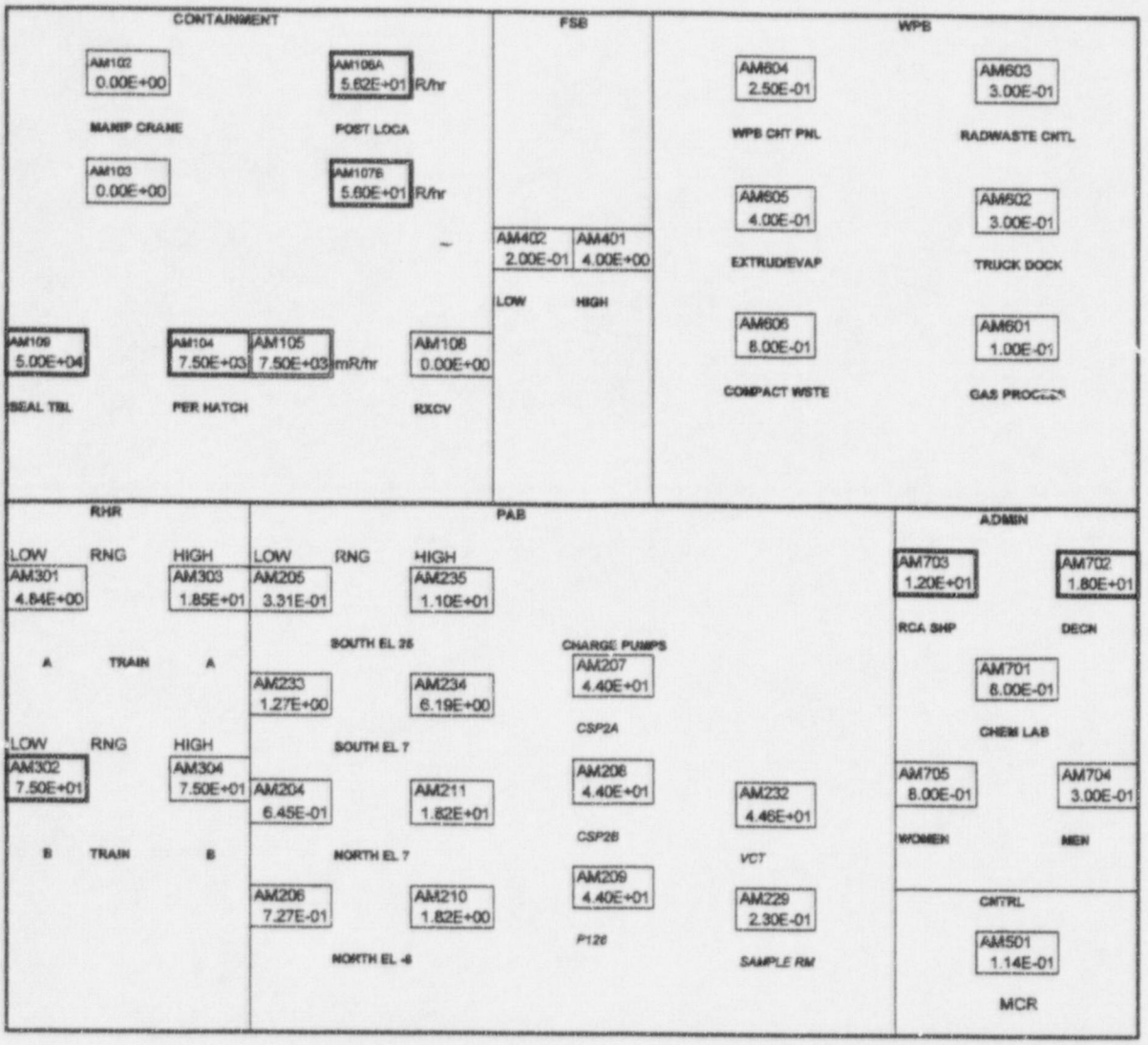
GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

Dose Rates in "A" RHR Vault will be the same as in "B" Vault when "A" CBS pump is repaired/started.

1316 - 1330



FLOWING FILTER ADVANCING PURGING CHECKSOURCE

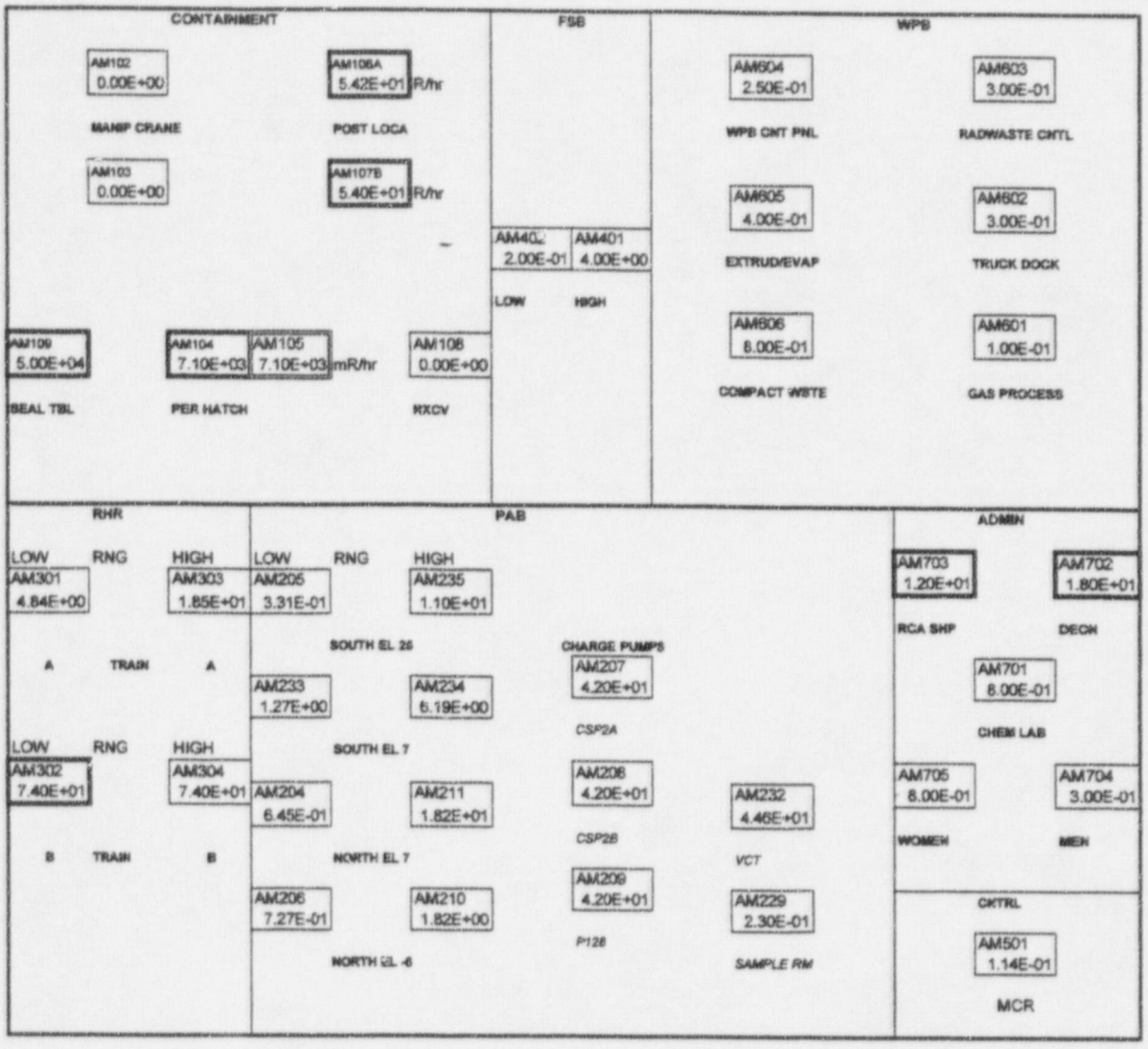
GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

Dose Rates in "A" RHR Vault will be the same as in "B" Vault when "A" CBS pump is repaired/started.

1331 - 1345



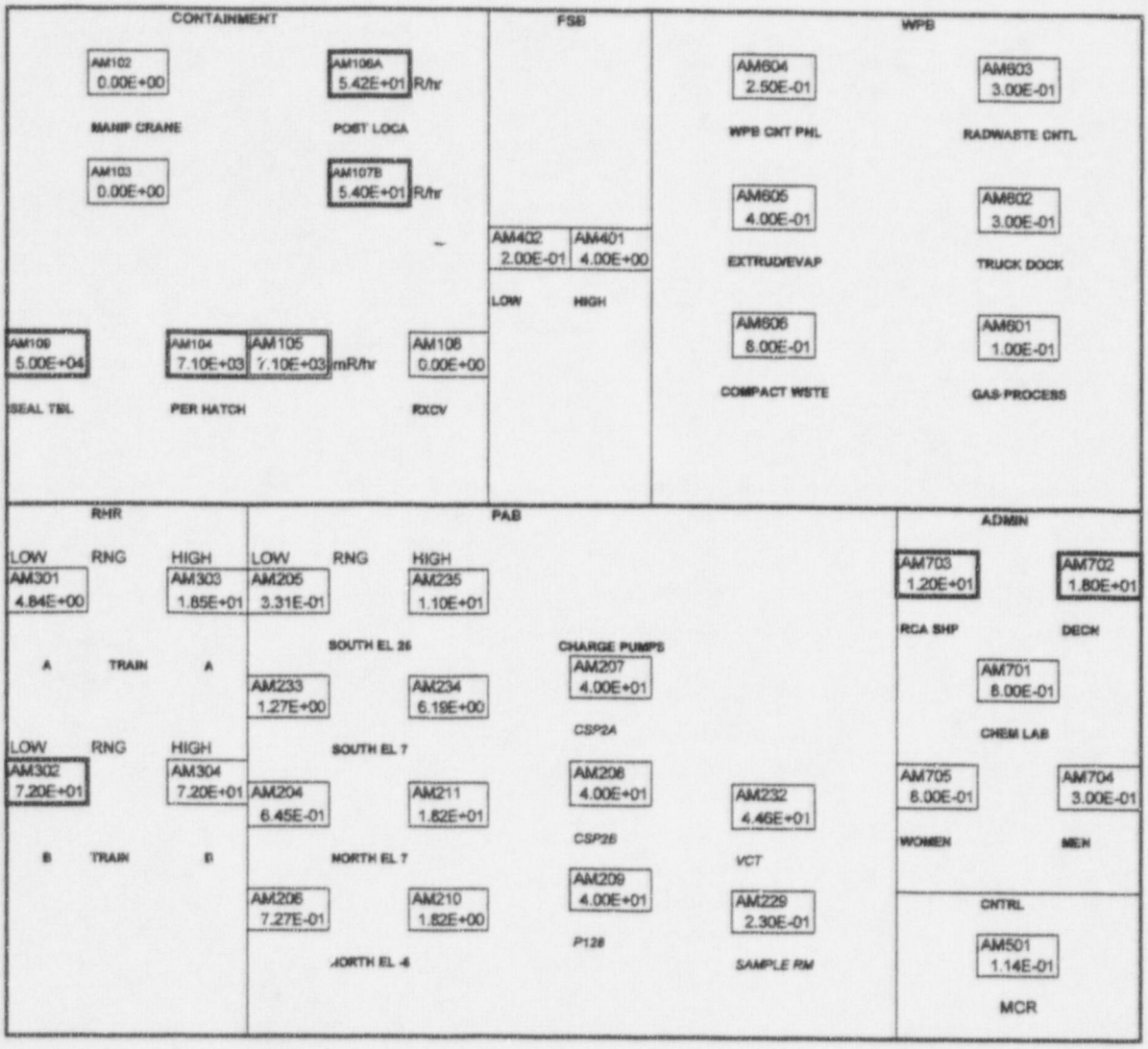
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

Dose Rates in "A" RHR Vault will be the same as in "B" Vault when "A" CBS pump is repaired/started.



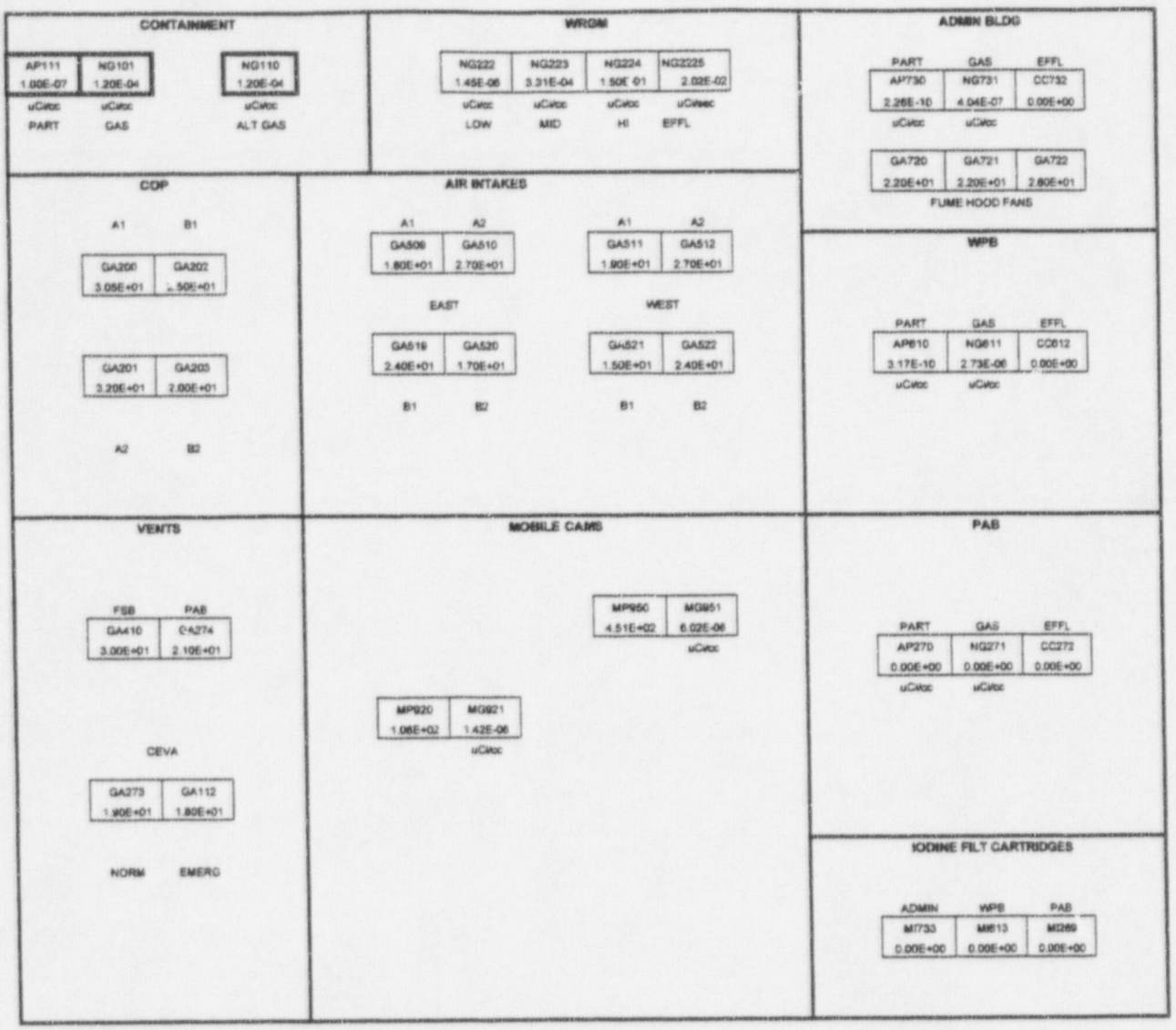
FLOWING FILTER ADVANCING PURGING CHECKSOURCE GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

ALL DOSE RATES IN MR/HR UNLESS OTHERWISE INDICATED

Dose Rates in "A" RHR Vault will be the same as in "B" Vault when "A" CBS pump is repaired/started.

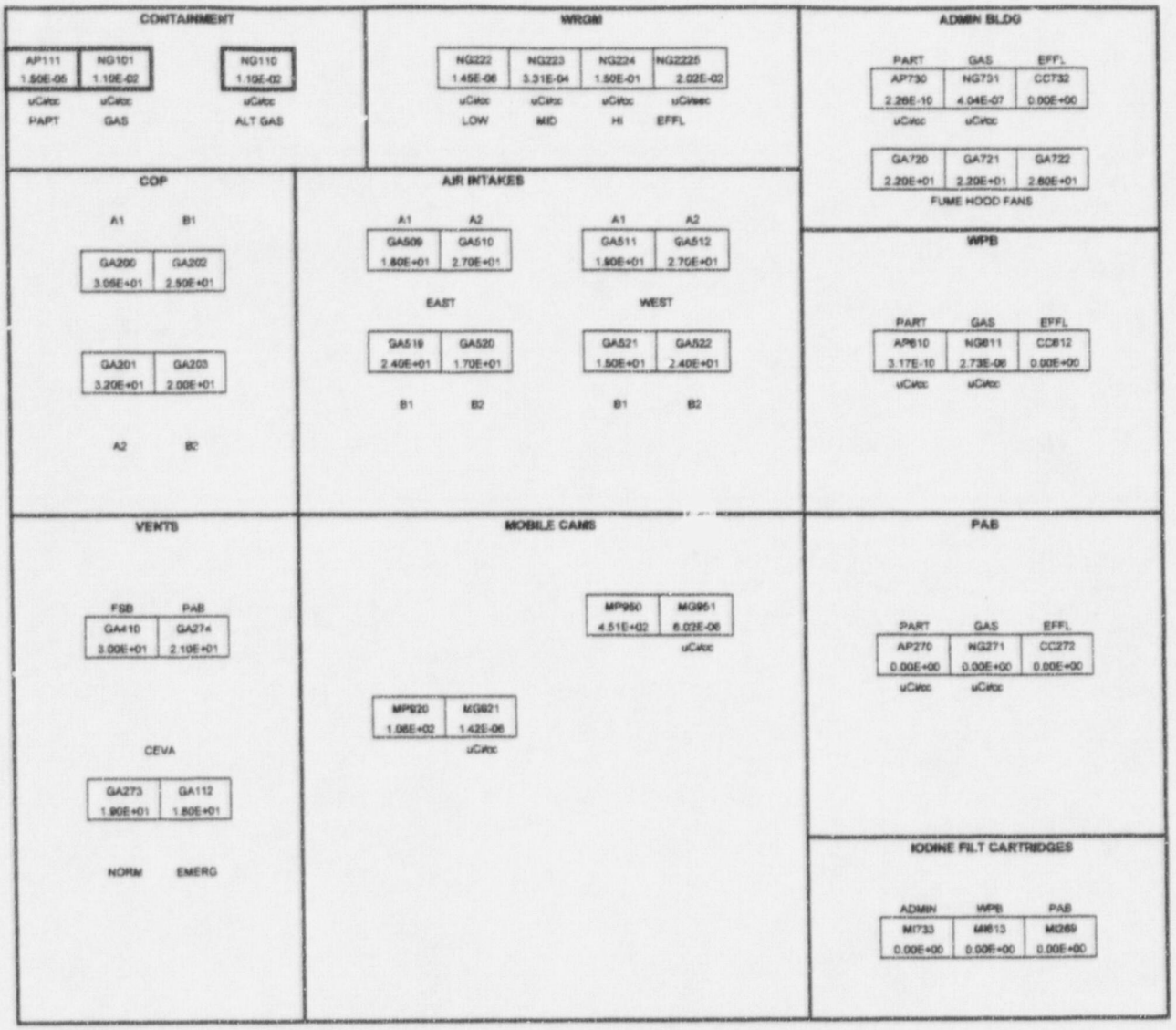
0800 - 0830



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

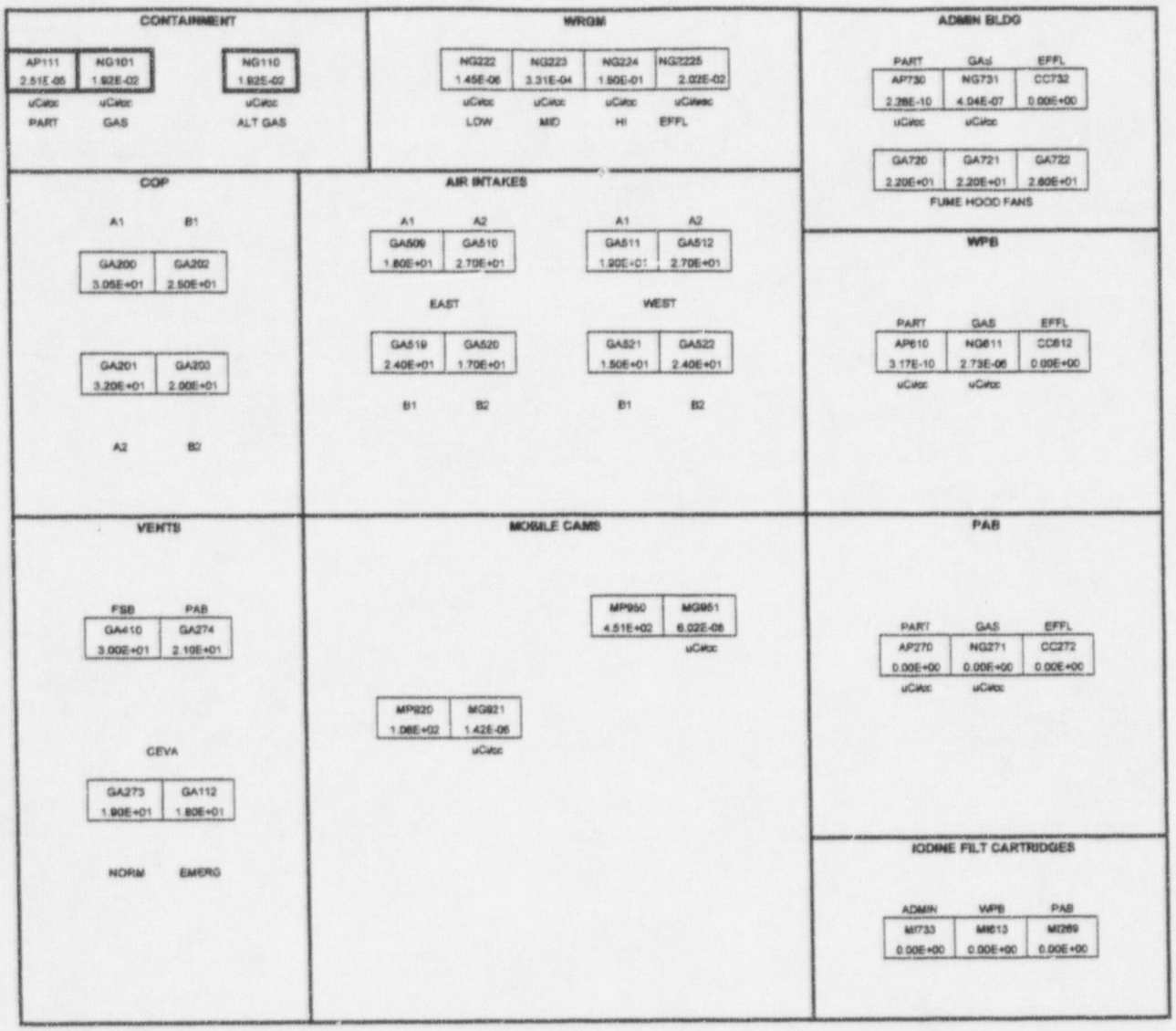
0831 - 0845



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

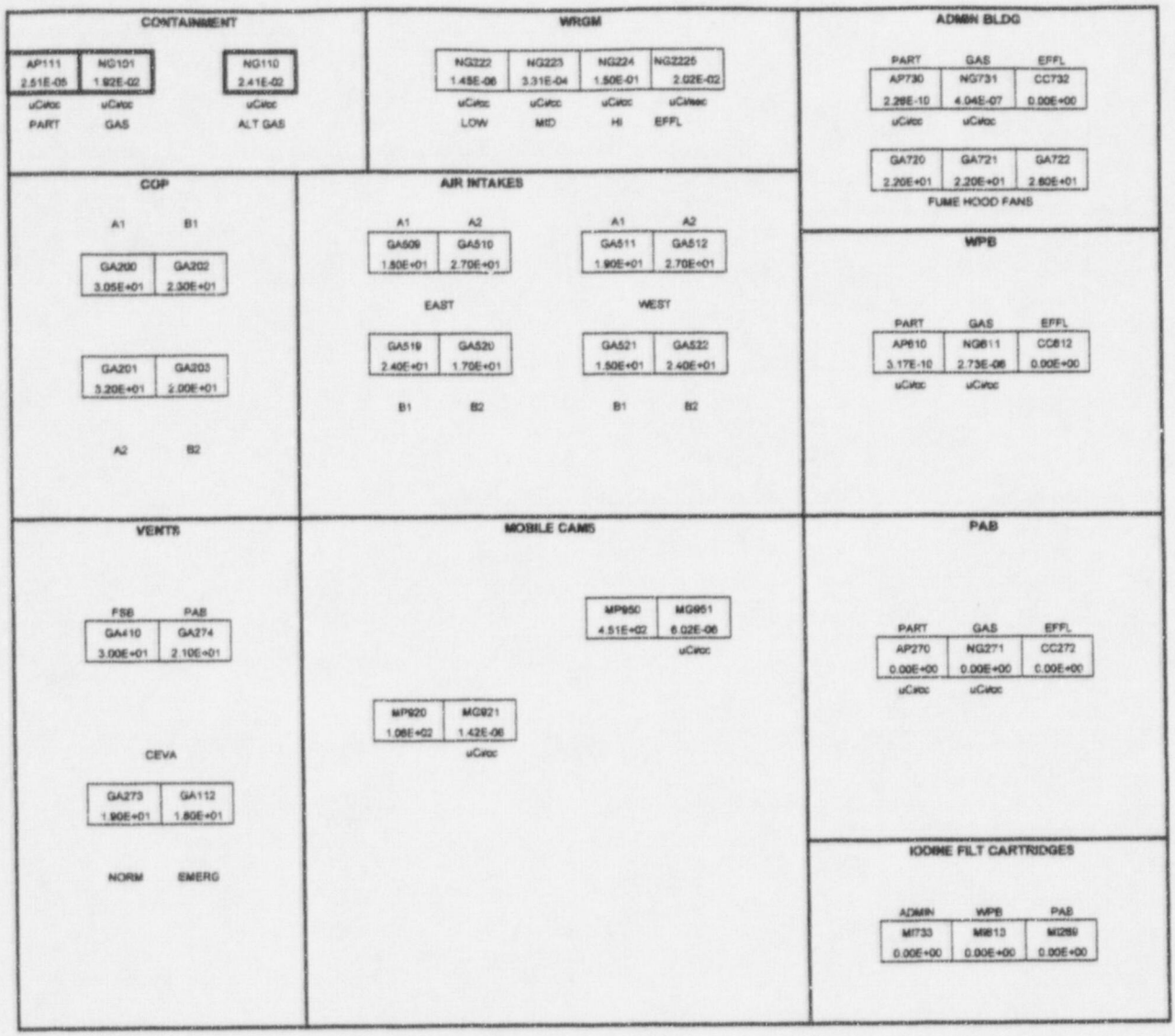
0846 - 0900



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

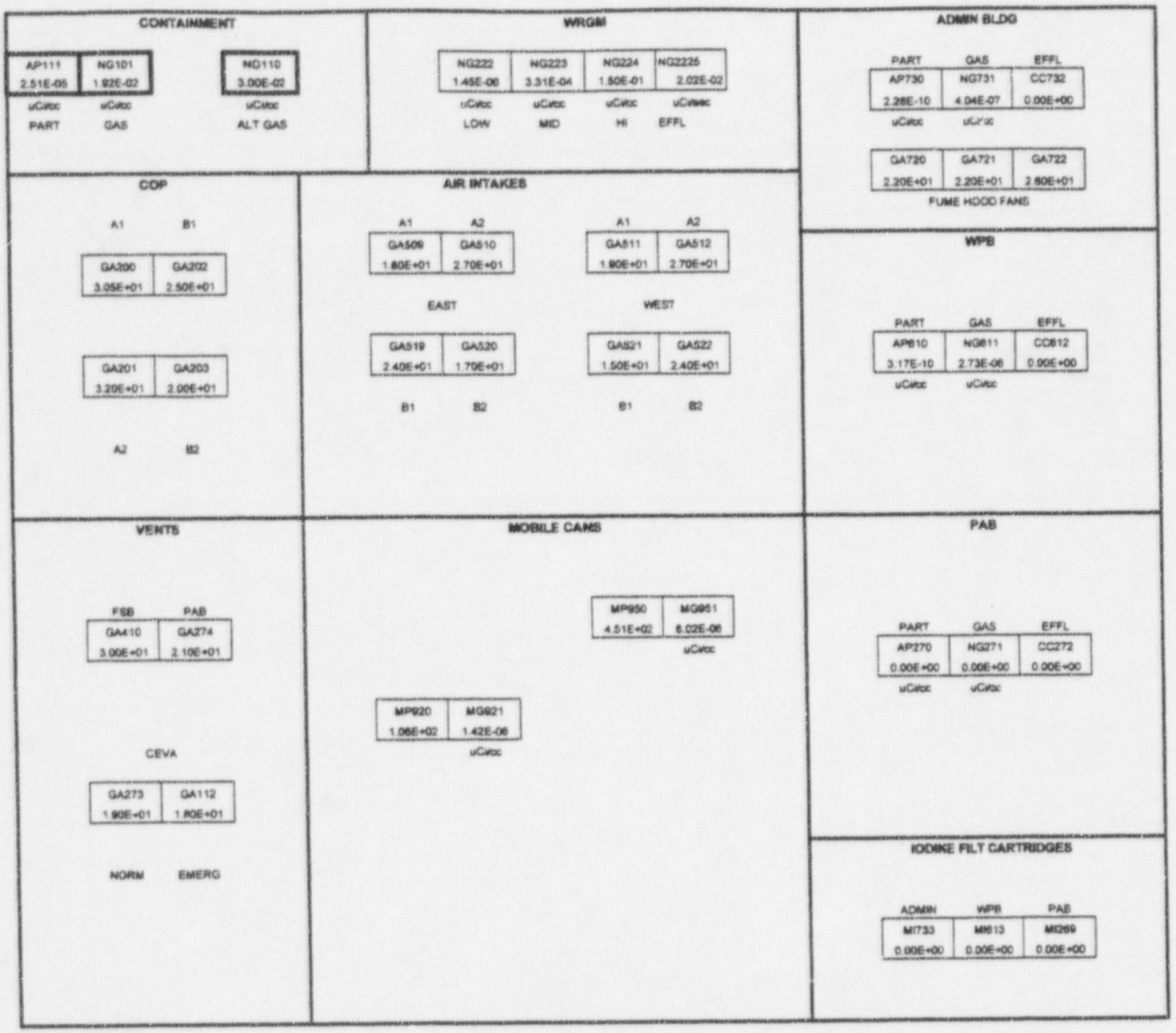
0901 - 0915



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

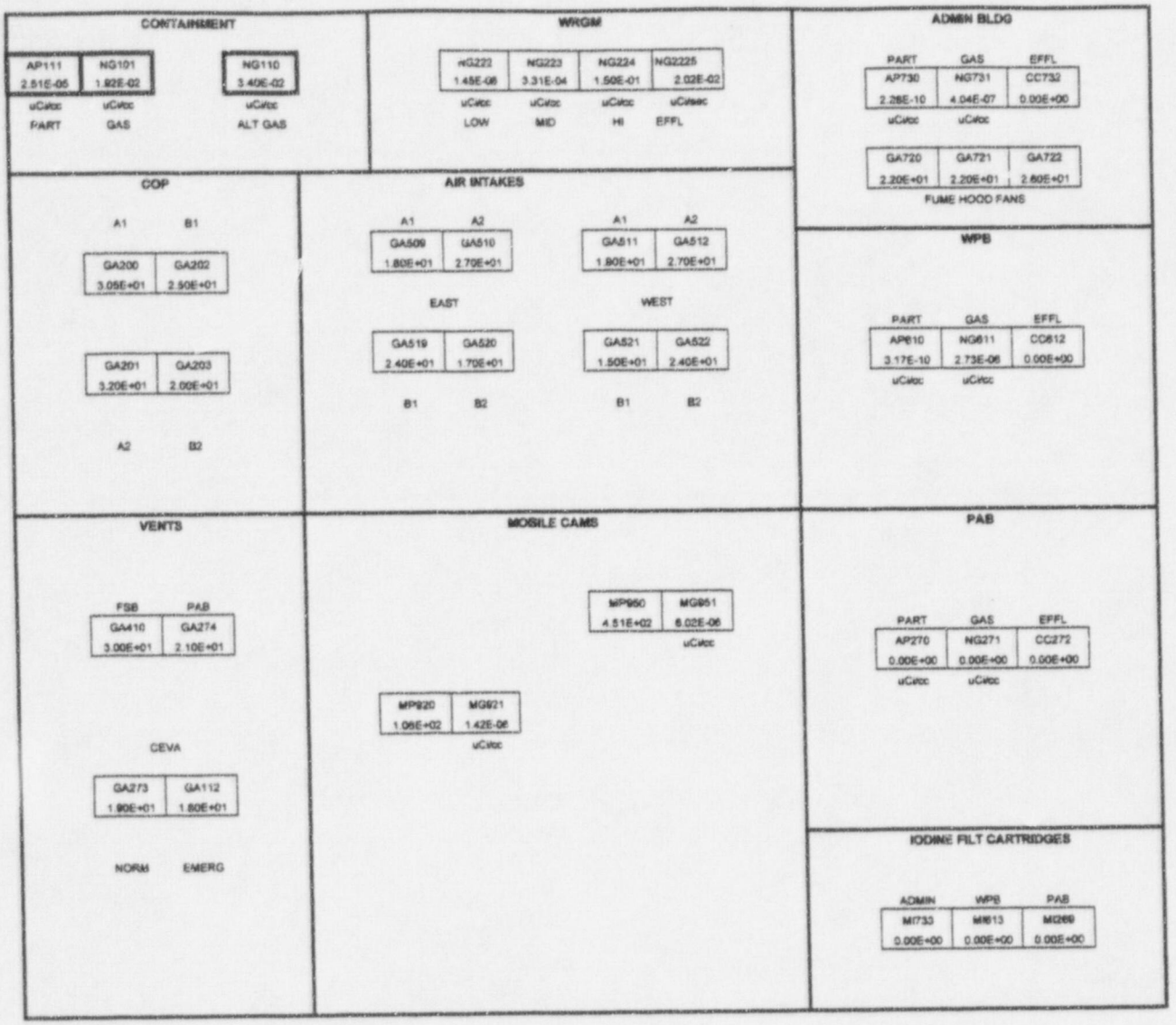
0916 - 0930



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

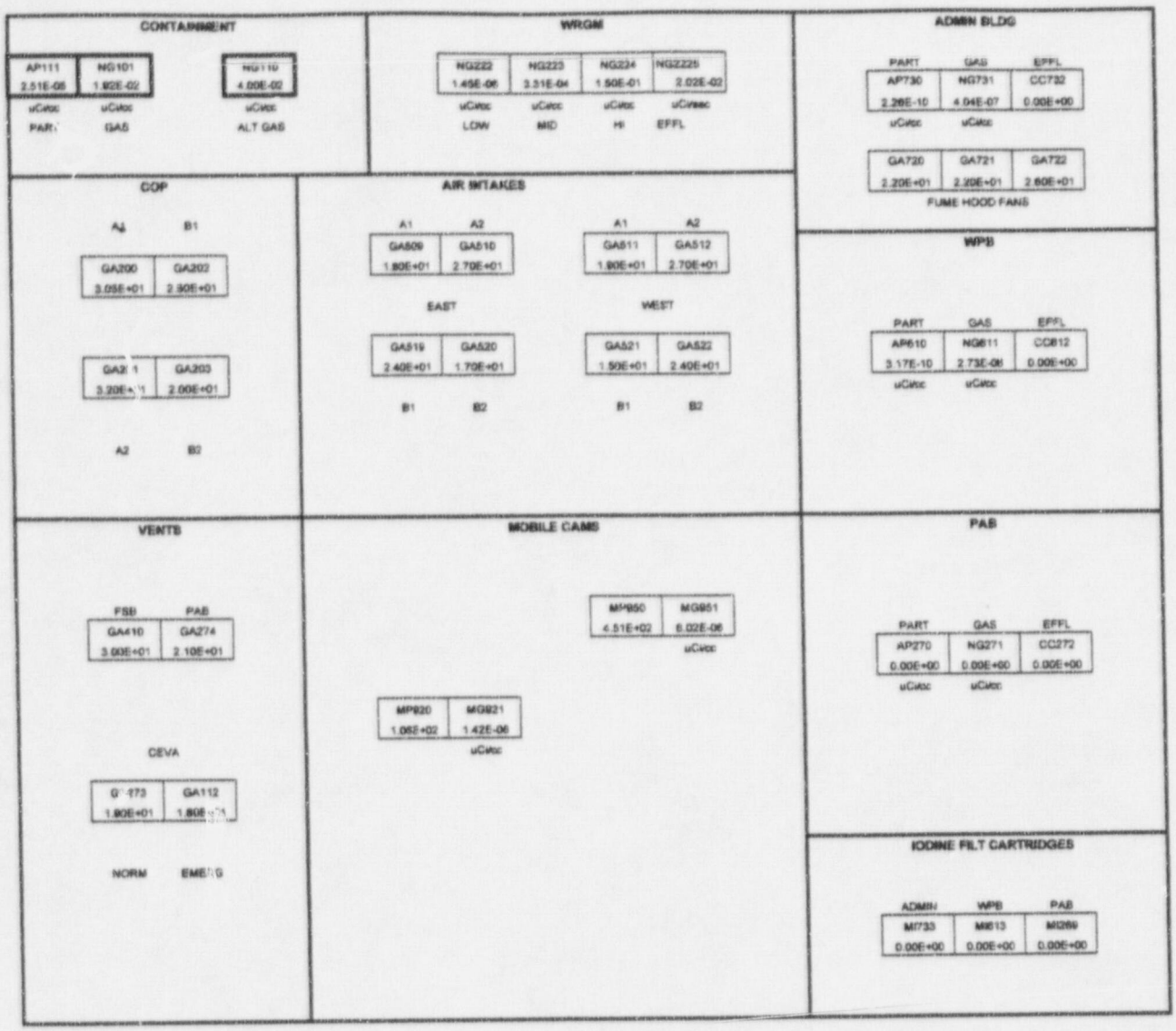
0931 - 0945



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

0946 - 1000

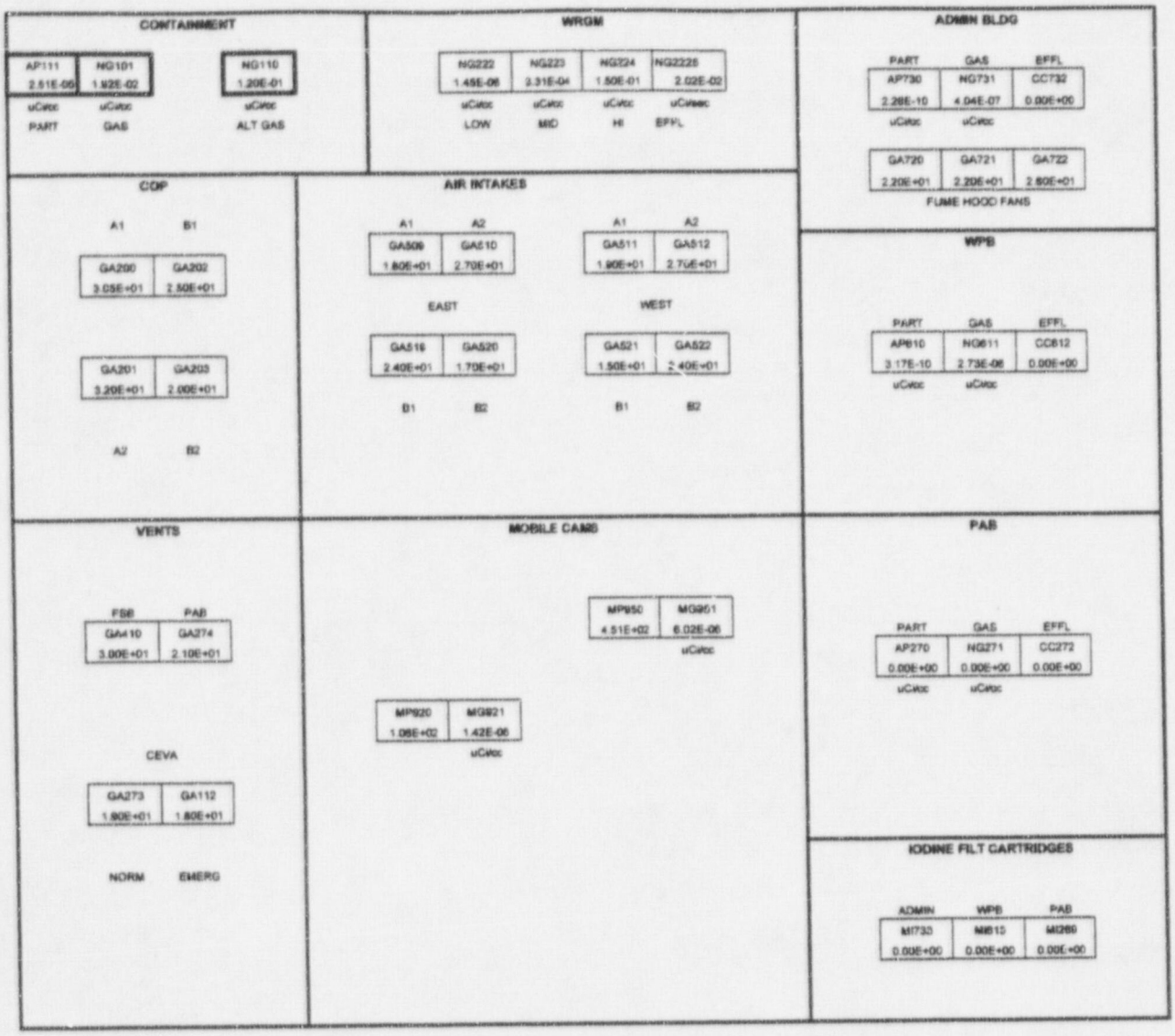


TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

Airborne Monitors

1001 - 1015

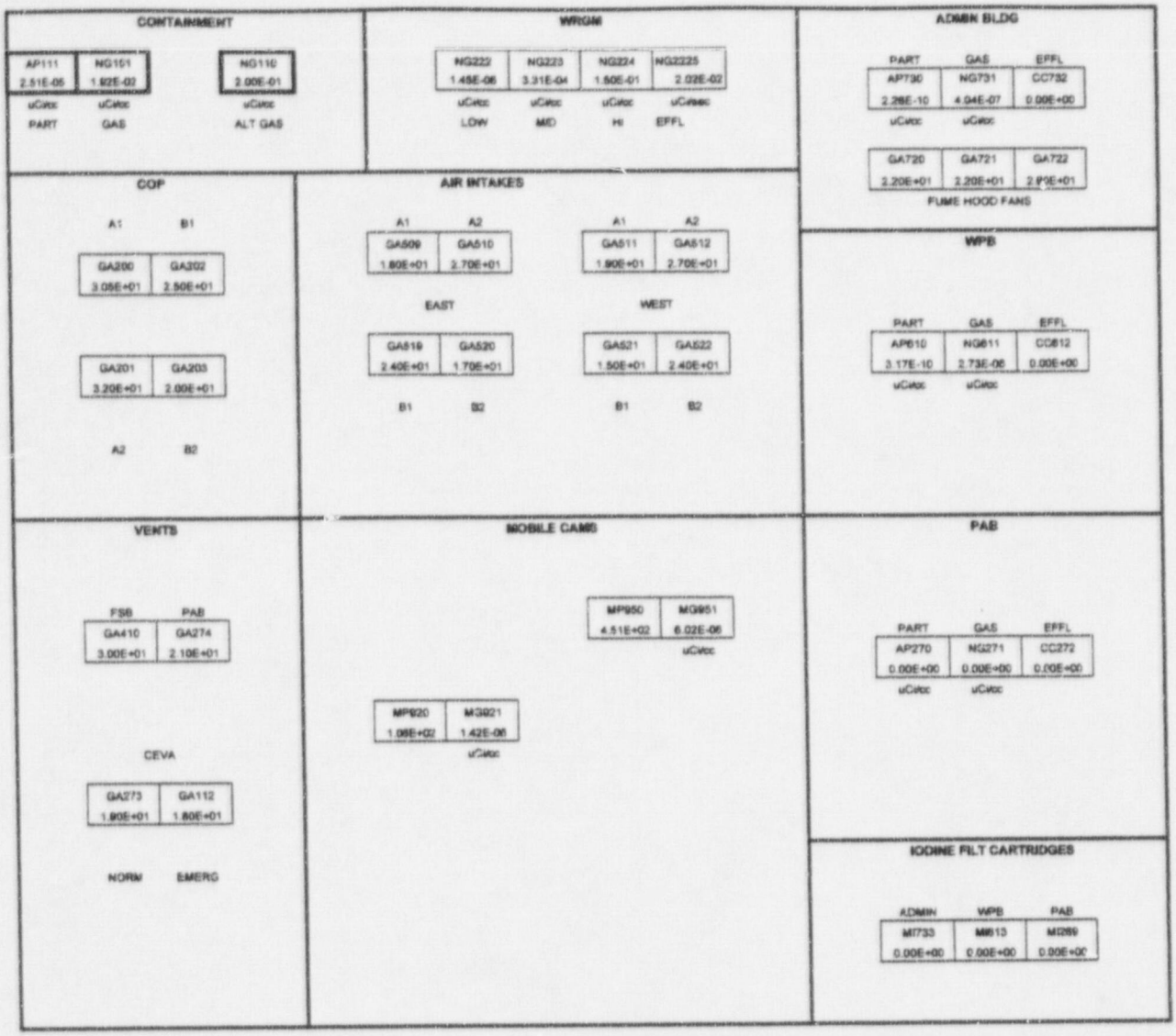


TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

Airborne Monitors

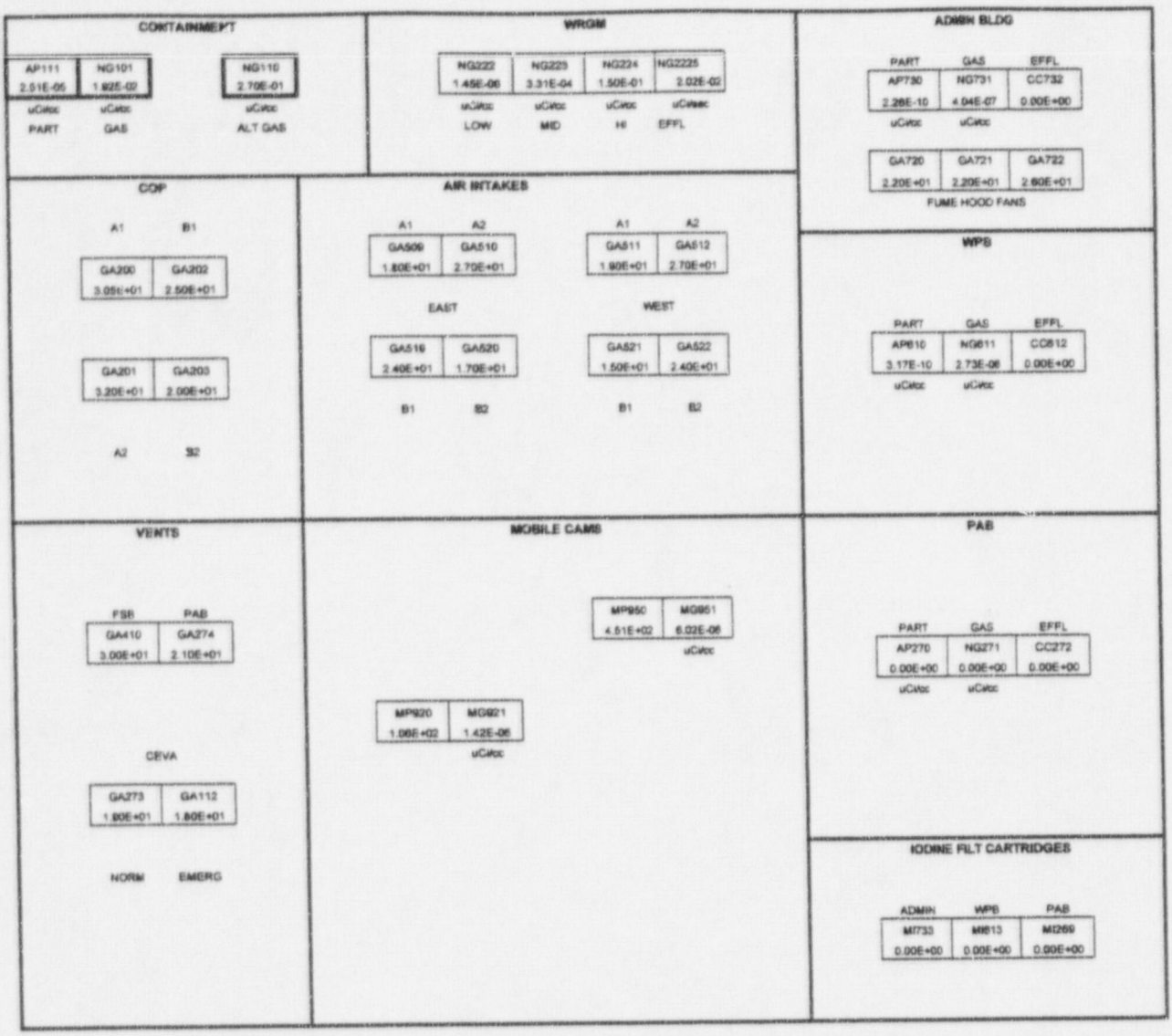
1016 - 1030



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

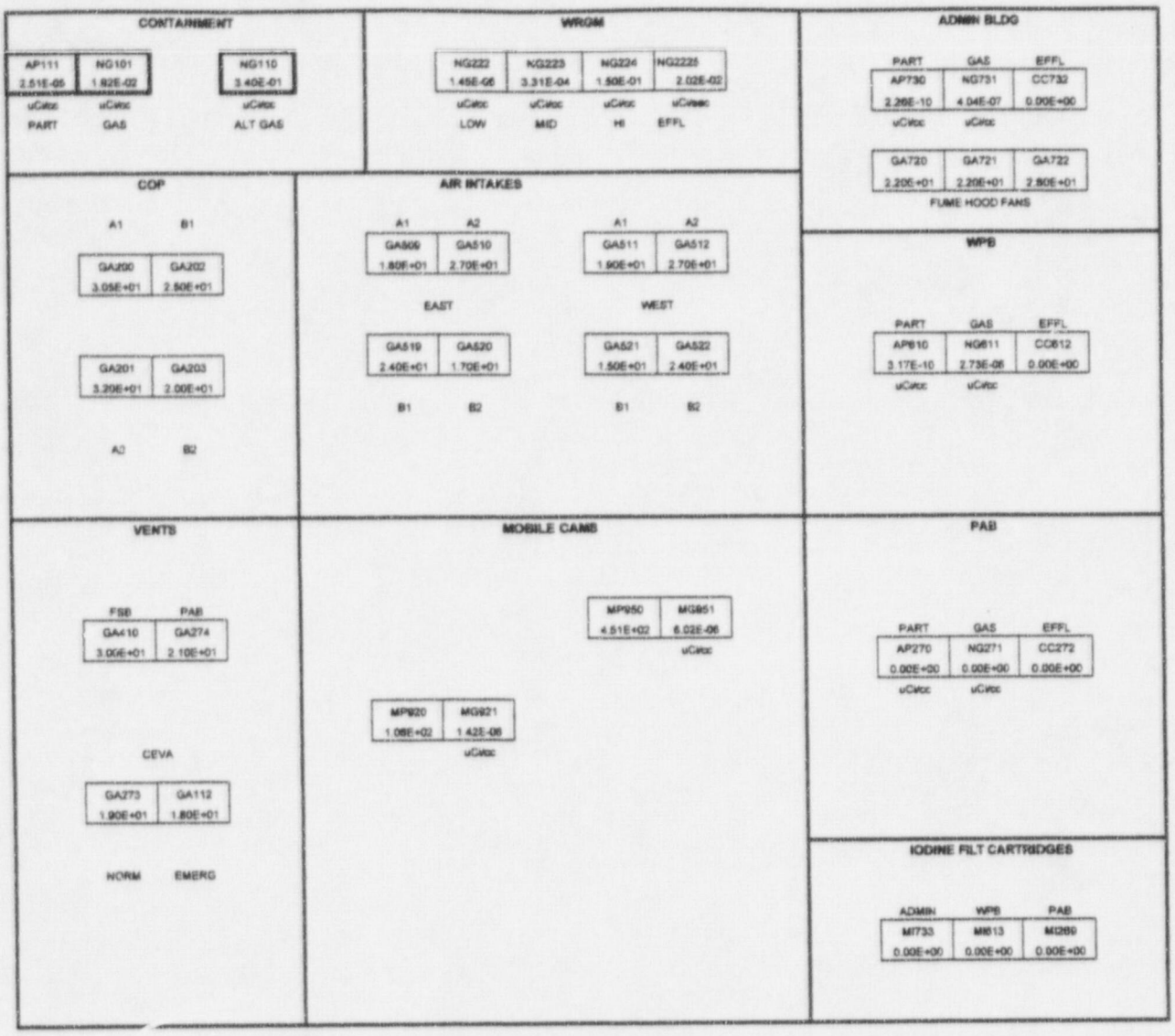
1031 - 1045



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

1046 - 1100

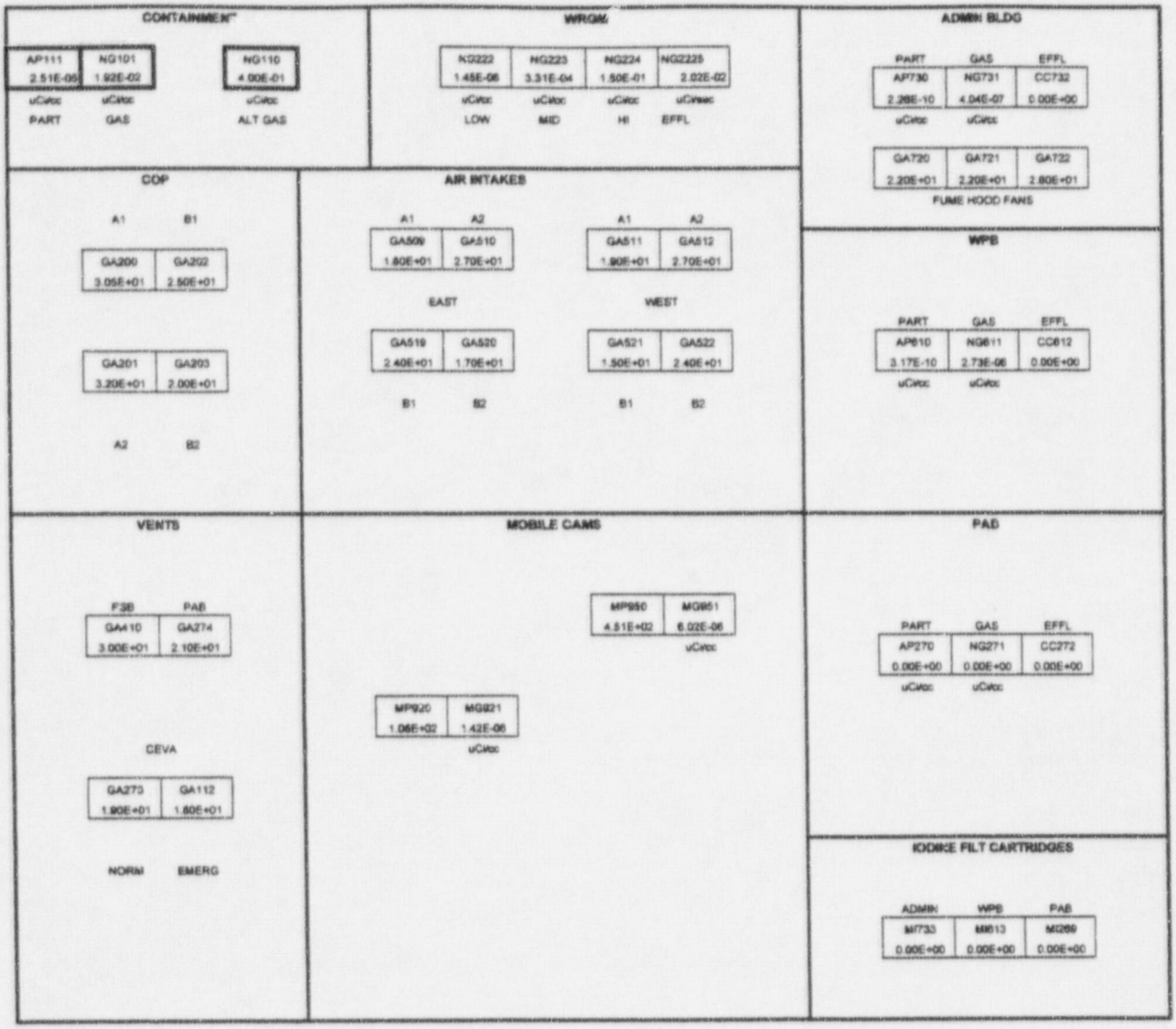


TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

Airborne Monitors

1101 - 1115

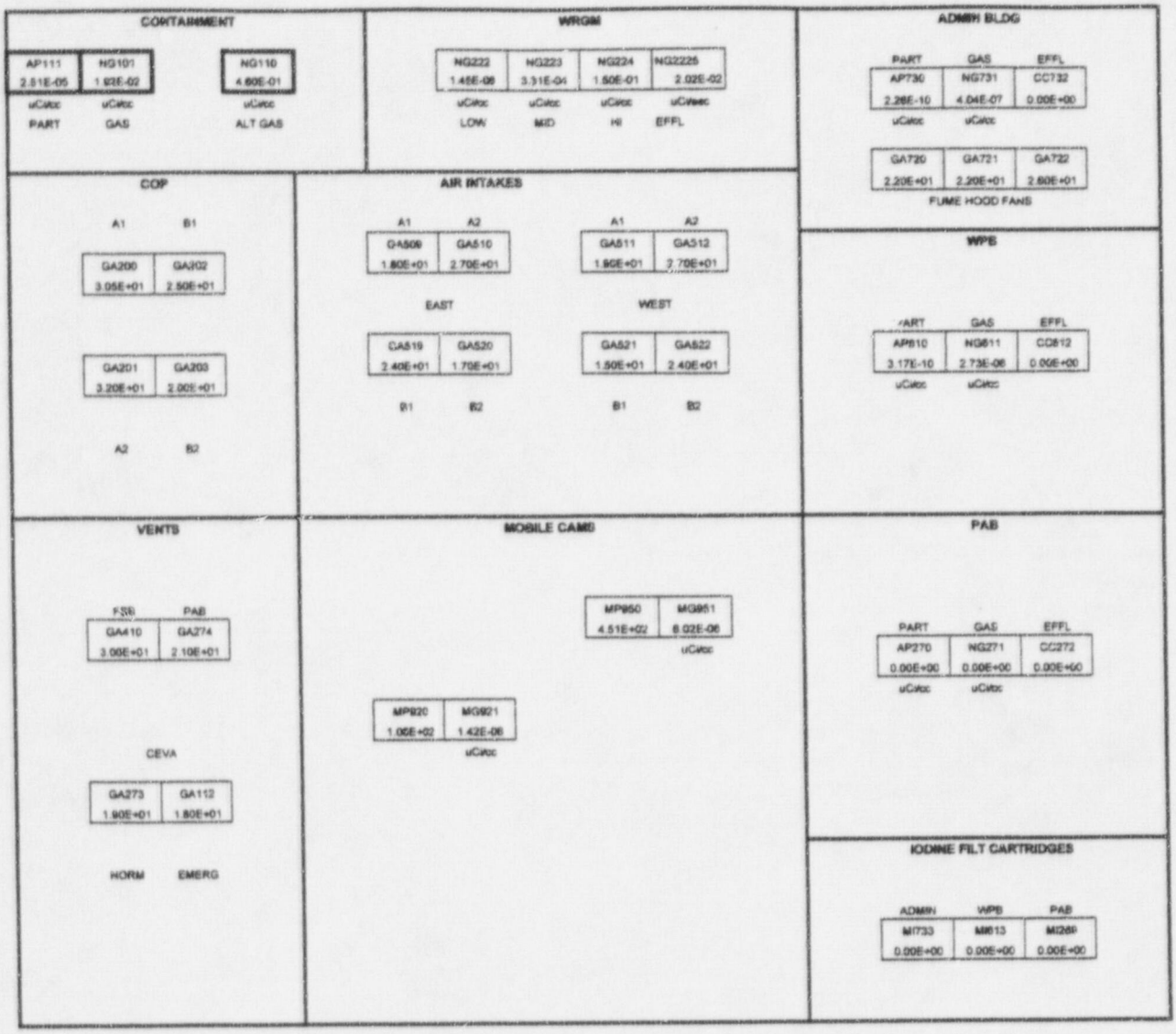


TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

Airborne Monitors

1116 - 1130

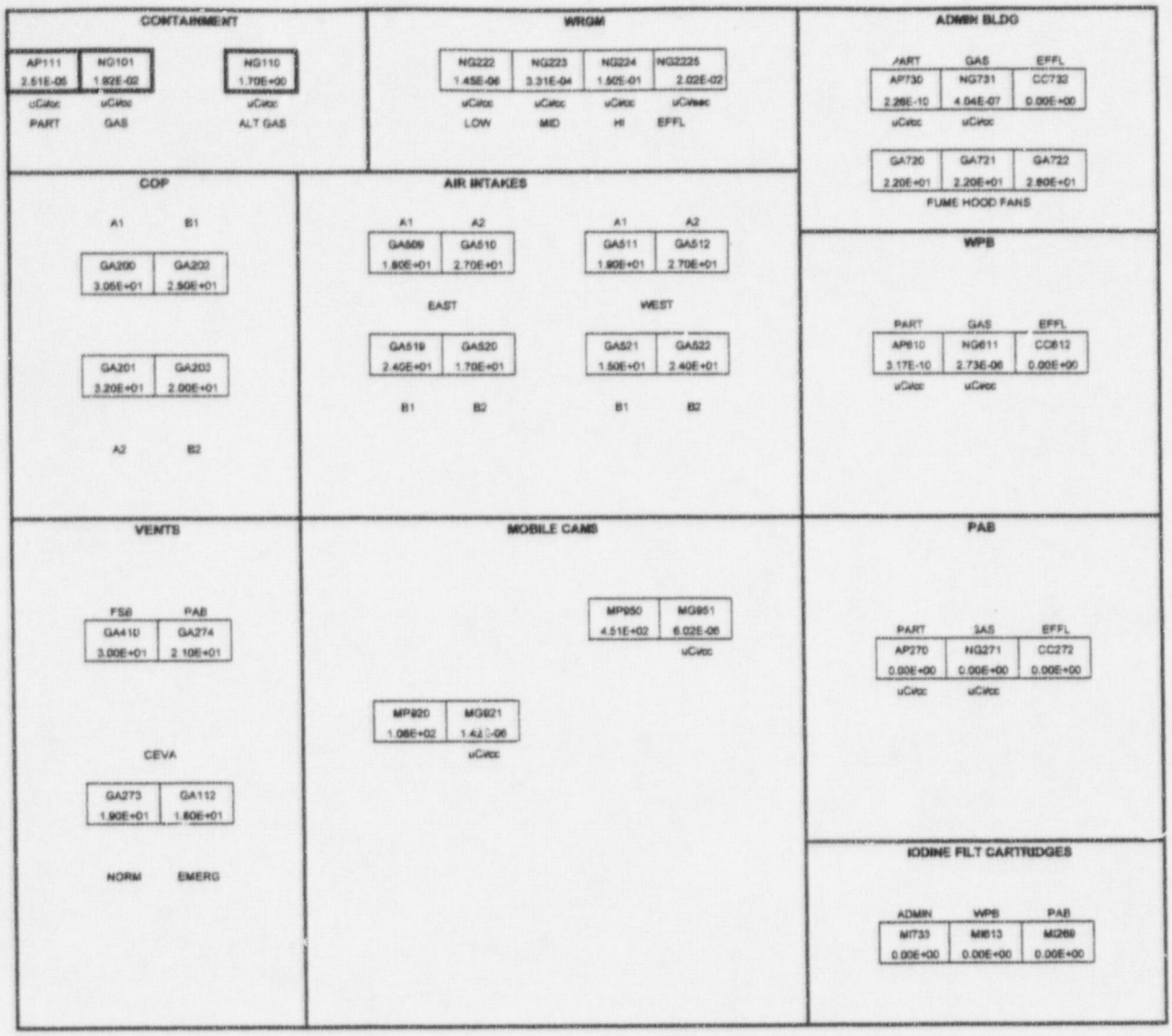


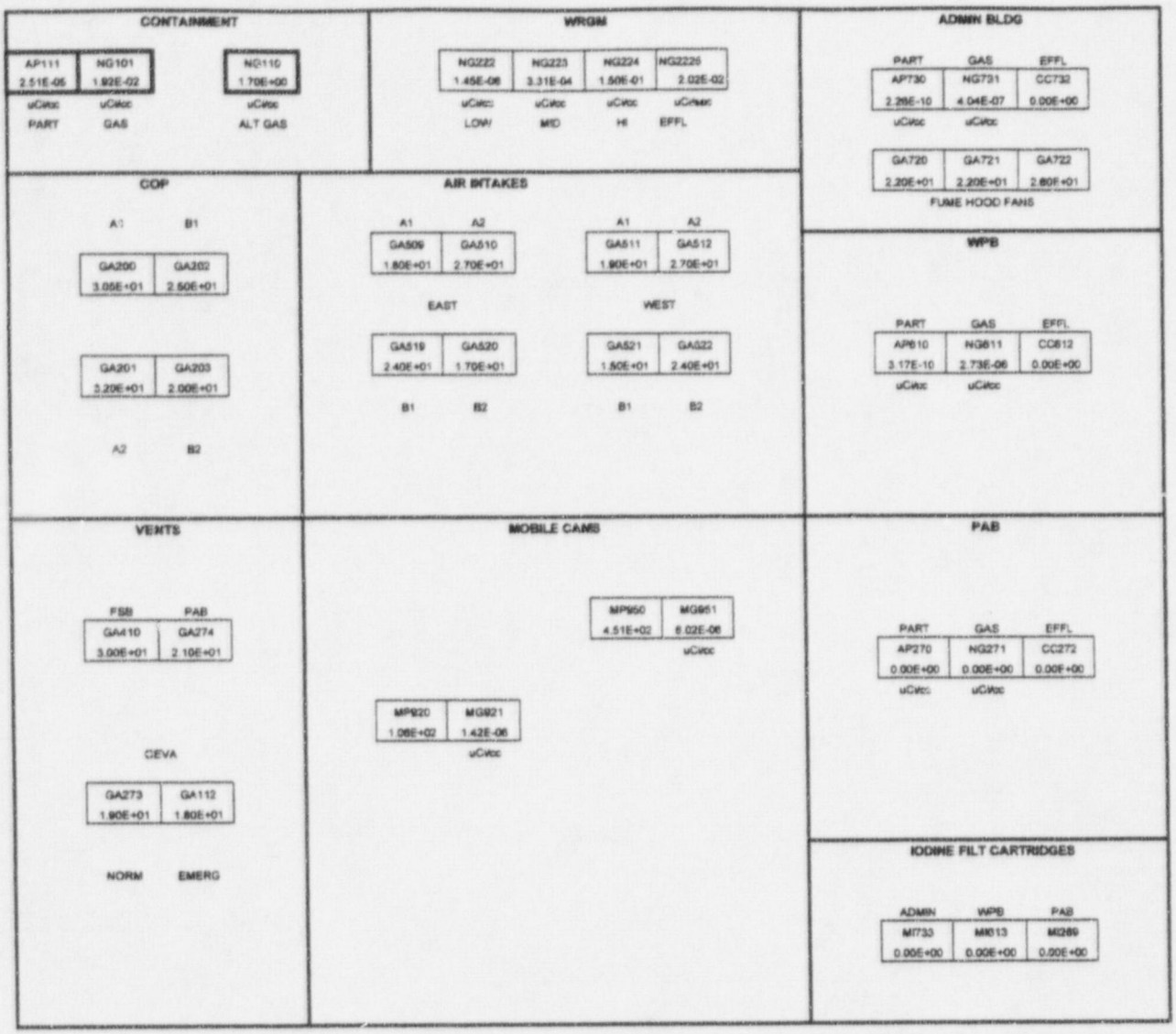
TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

Airborne Monitors

1131 - 1145

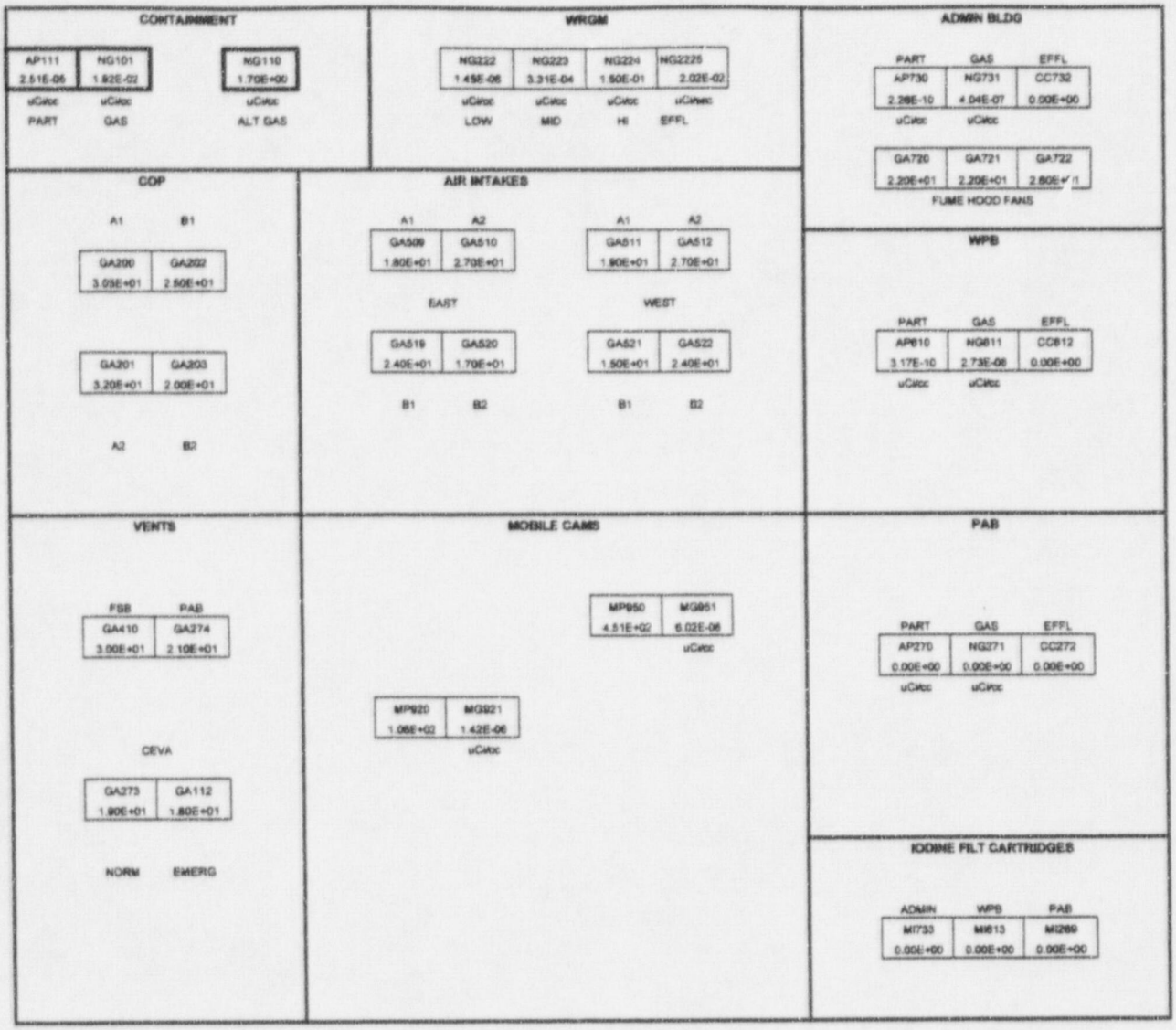

CONTAINMENT
AP111 2.51E-05 uCi/cc PART
NG101 1.82E-02 uCi/cc GAS
NG110 1.70E+00 uCi/cc ALT GAS
WRGM
NG222 1.45E-06 uCi/cc LOW
NG223 3.31E-04 uCi/cc MID
NG224 1.50E-01 uCi/cc HI
NG2225 2.02E-02 uCi/cc EFFL
ADMIN BLDG
PART AP730 2.26E-10 uCi/cc
GAS NG731 4.04E-07 uCi/cc
EFFL CC732 0.00E+00
GA720 2.20E+01
GA721 2.20E+01
GA722 2.50E+01
FUME HOOD FANS
COP
A1 B1
GA200 3.05E+01
GA202 2.50E+01
GA201 3.20E+01
GA203 2.00E+01
A2 B2
AIR INTAKES
A1 A2
GA509 1.80E+01
GA510 2.70E+01
EAST
GA519 2.40E+01
GA520 1.70E+01
B1 B2
A1 A2
GA511 1.90E+01
GA512 2.70E+01
WEST
GA521 1.50E+01
GA522 2.40E+01
B1 B2
WPB
PART AP810 3.17E-10 uCi/cc
GAS NG811 2.73E-06 uCi/cc
EFFL CC812 0.00E+00
VENTS
FSB GA410 3.00E+01
PAB GA274 2.10E+01
CEVA
GA273 1.90E+01
GA112 1.80E+01
NORM EMERG
MOBILE CAMS
MP850 4.51E+02
MG851 6.02E-06 uCi/cc
MP820 1.08E+02
MG821 1.42E-06 uCi/cc
PAB
PART AP270 0.00E+00 uCi/cc
GAS NG271 0.00E+00 uCi/cc
EFFL CC272 0.00E+00
IODINE FLT CARTRIDGES
ADMIN MI733 0.00E+00
WPB MI813 0.00E+00
PAB MI269 0.00E+00
FLOWING
FILTER ADVANCING
PURGING
CHECKSOURCE
GRIDS BB BB BB WW WW WW
TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL
AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

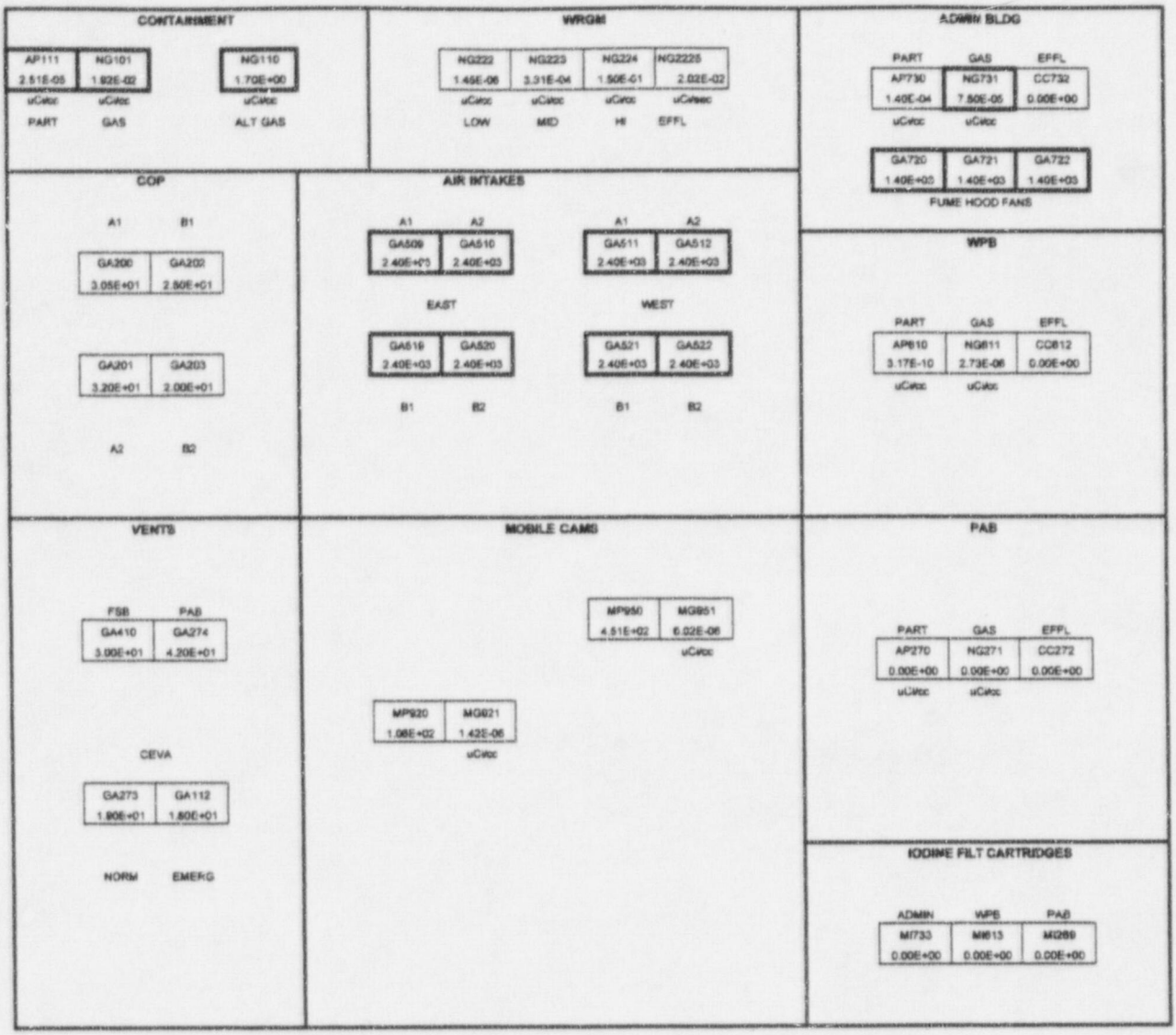
1201 - 1207



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

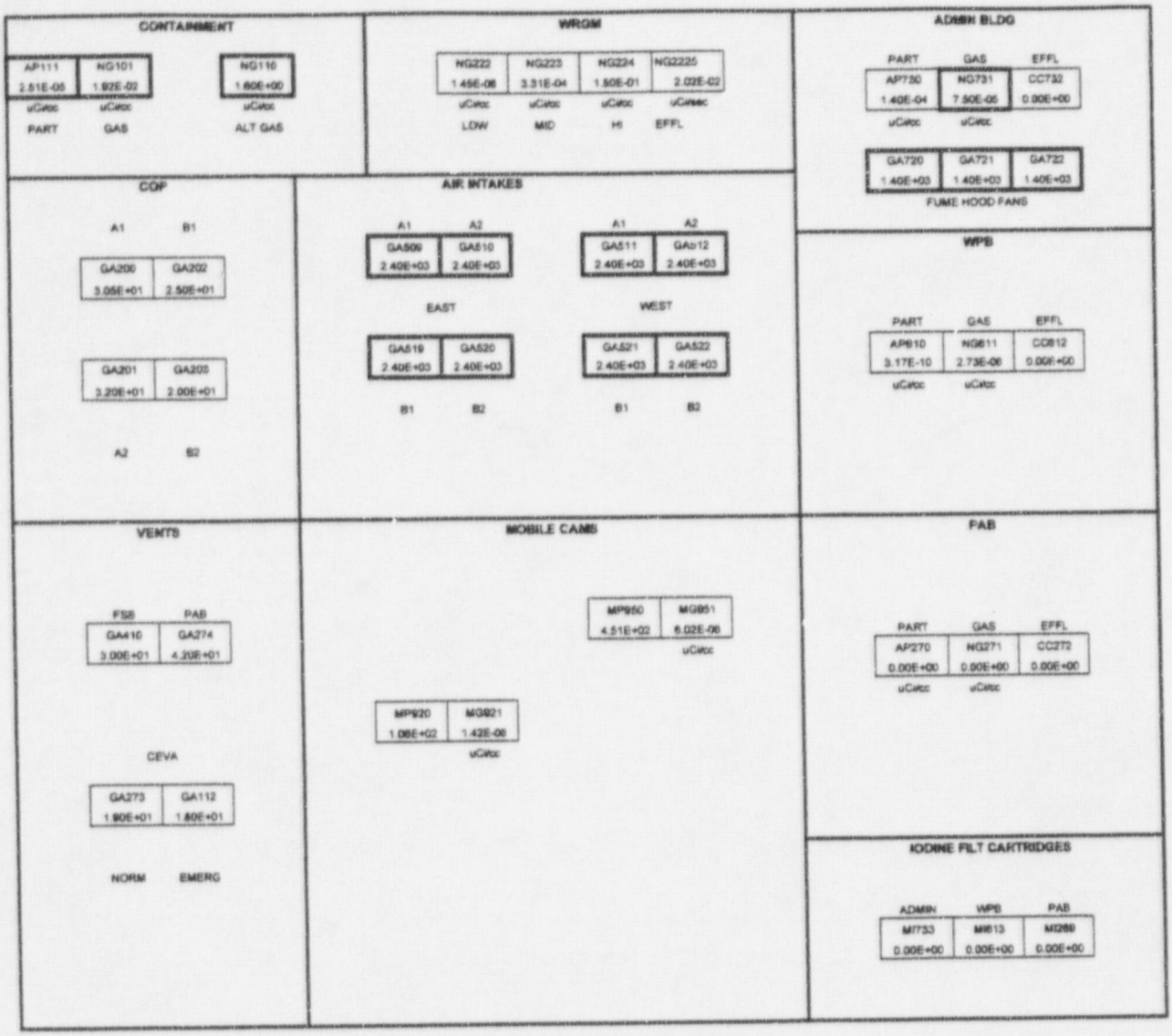
1208 - 1230



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

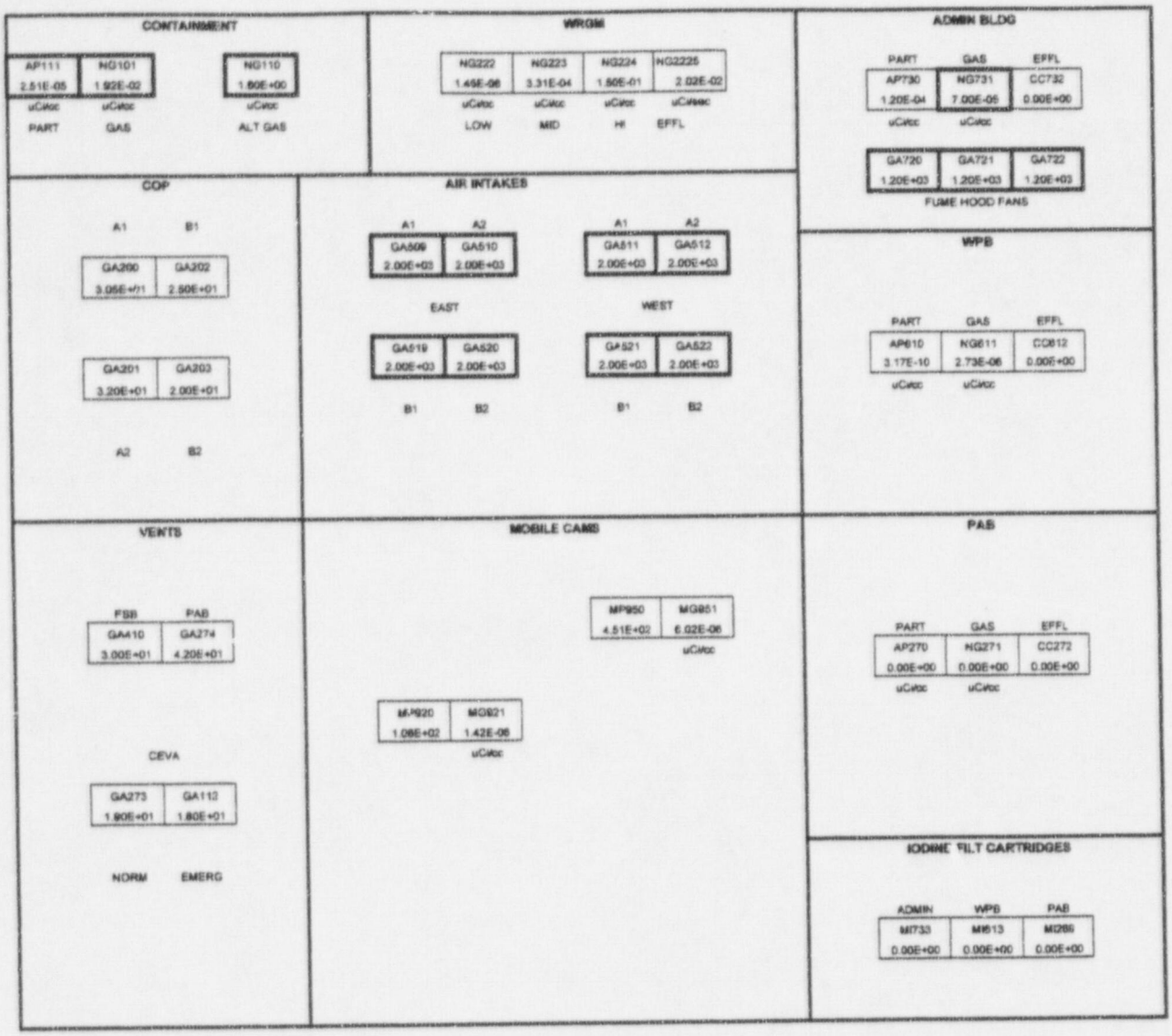
1231 - 1245



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

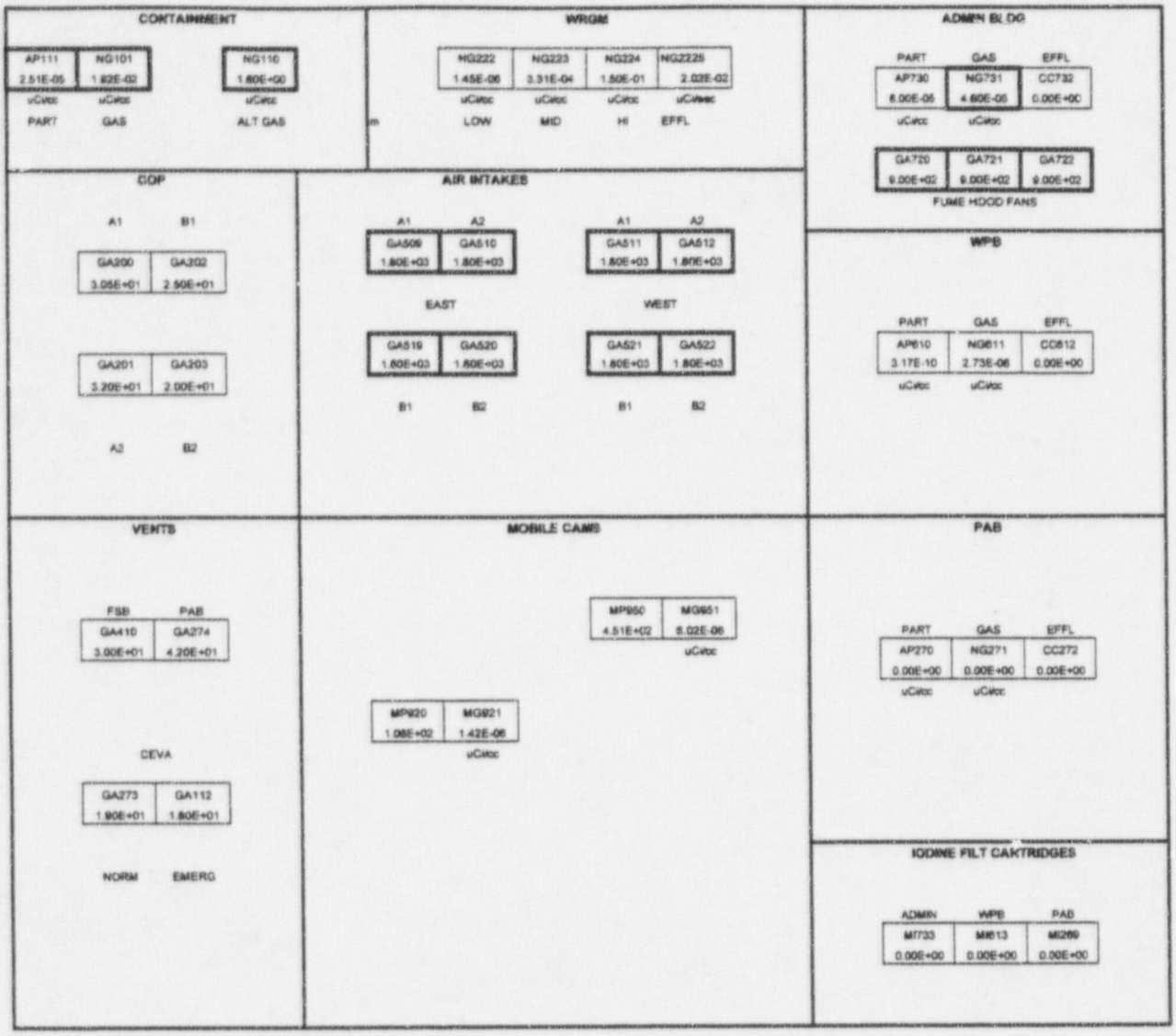
1246 - 1300



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

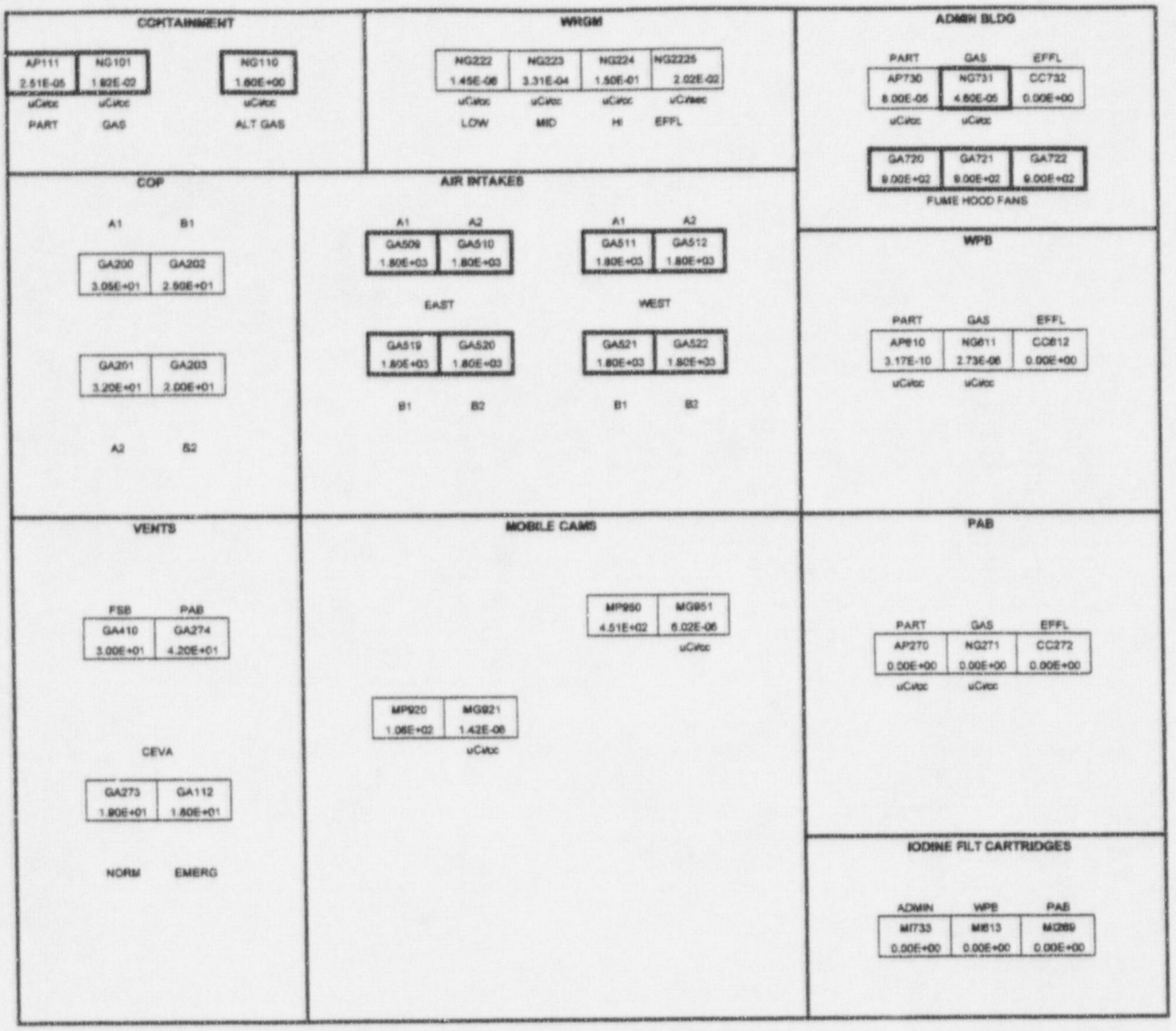
AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

1301 - 1315



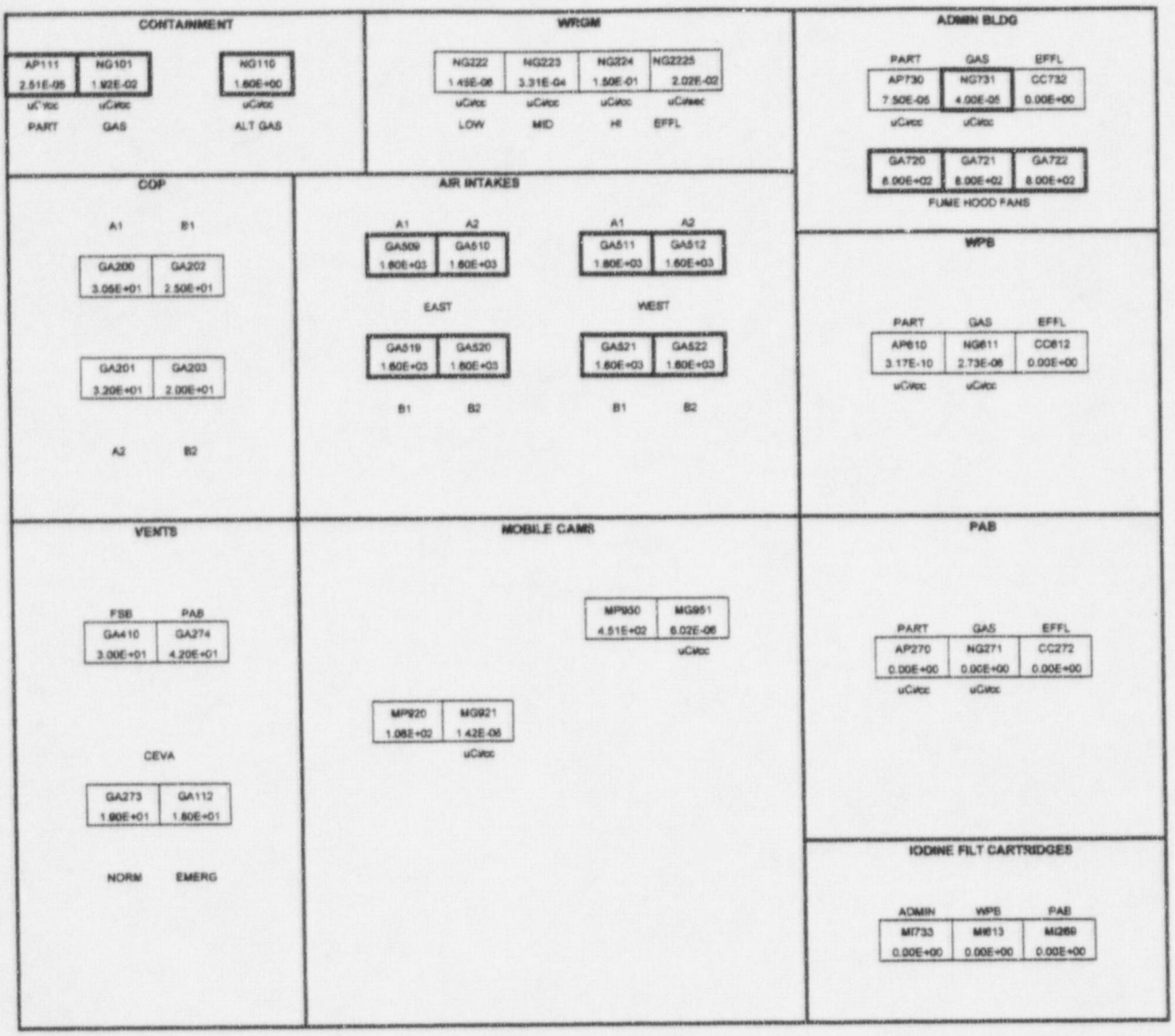
Airborne Monitors

1316 - 1330



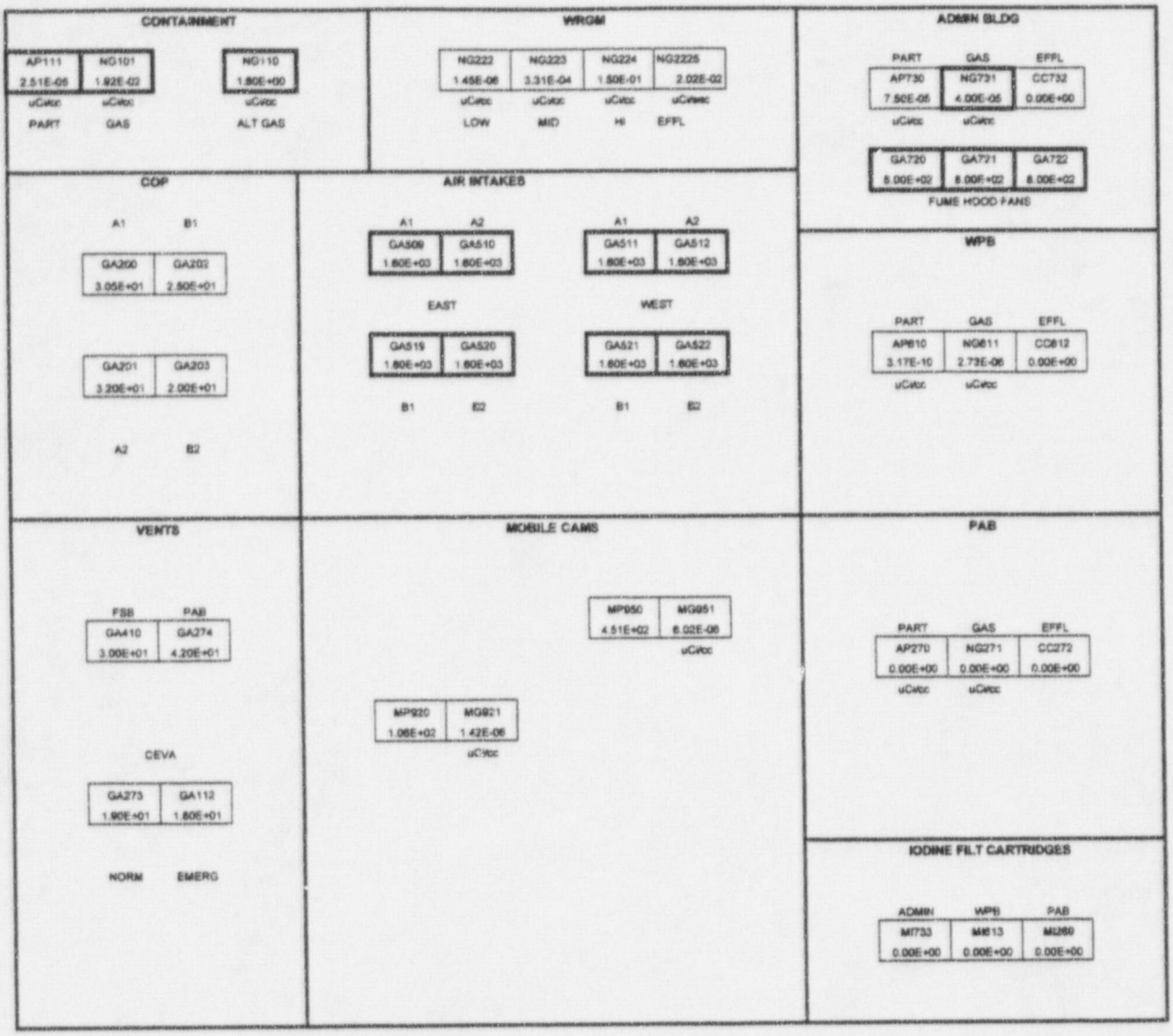
TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

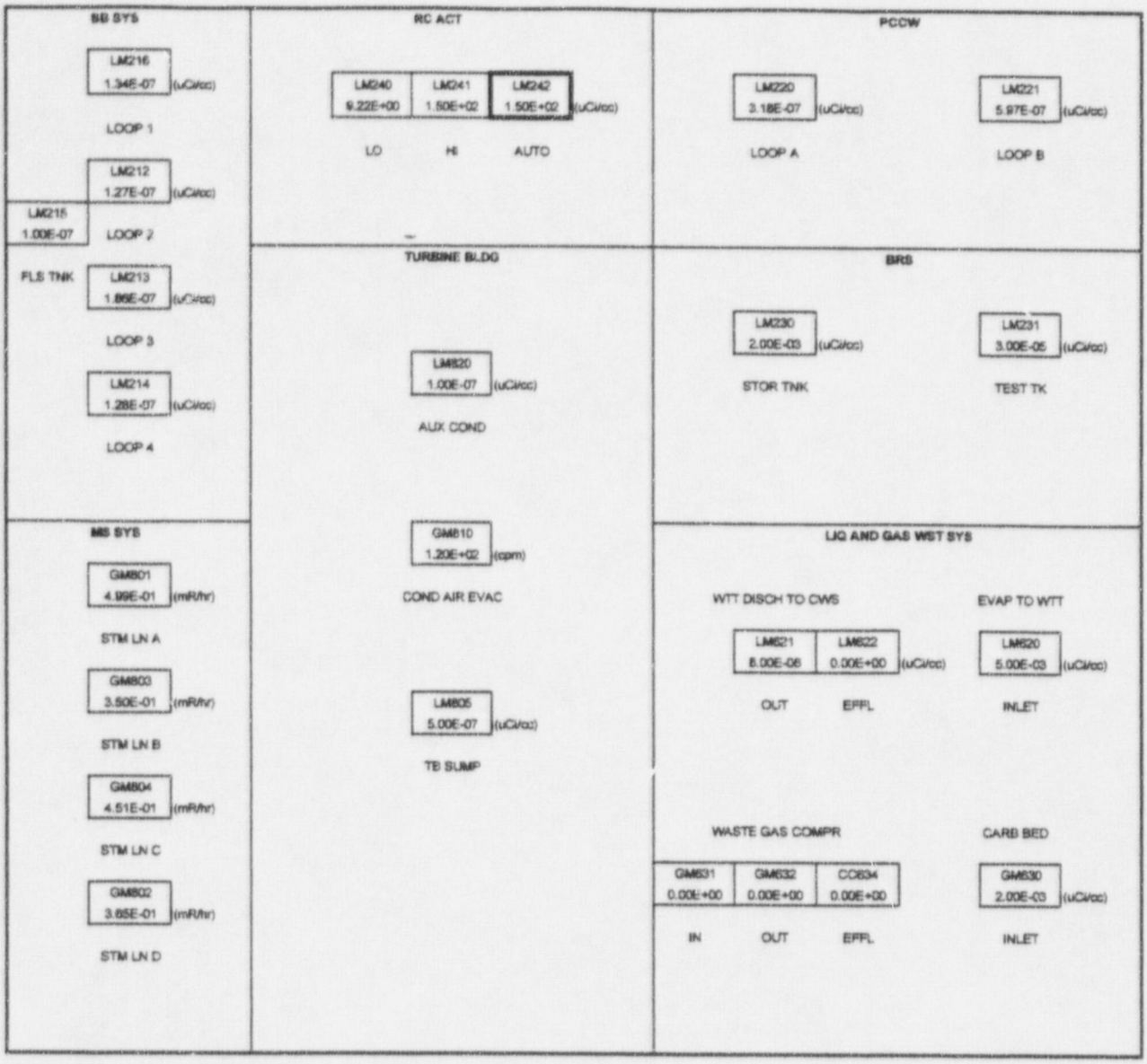
AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

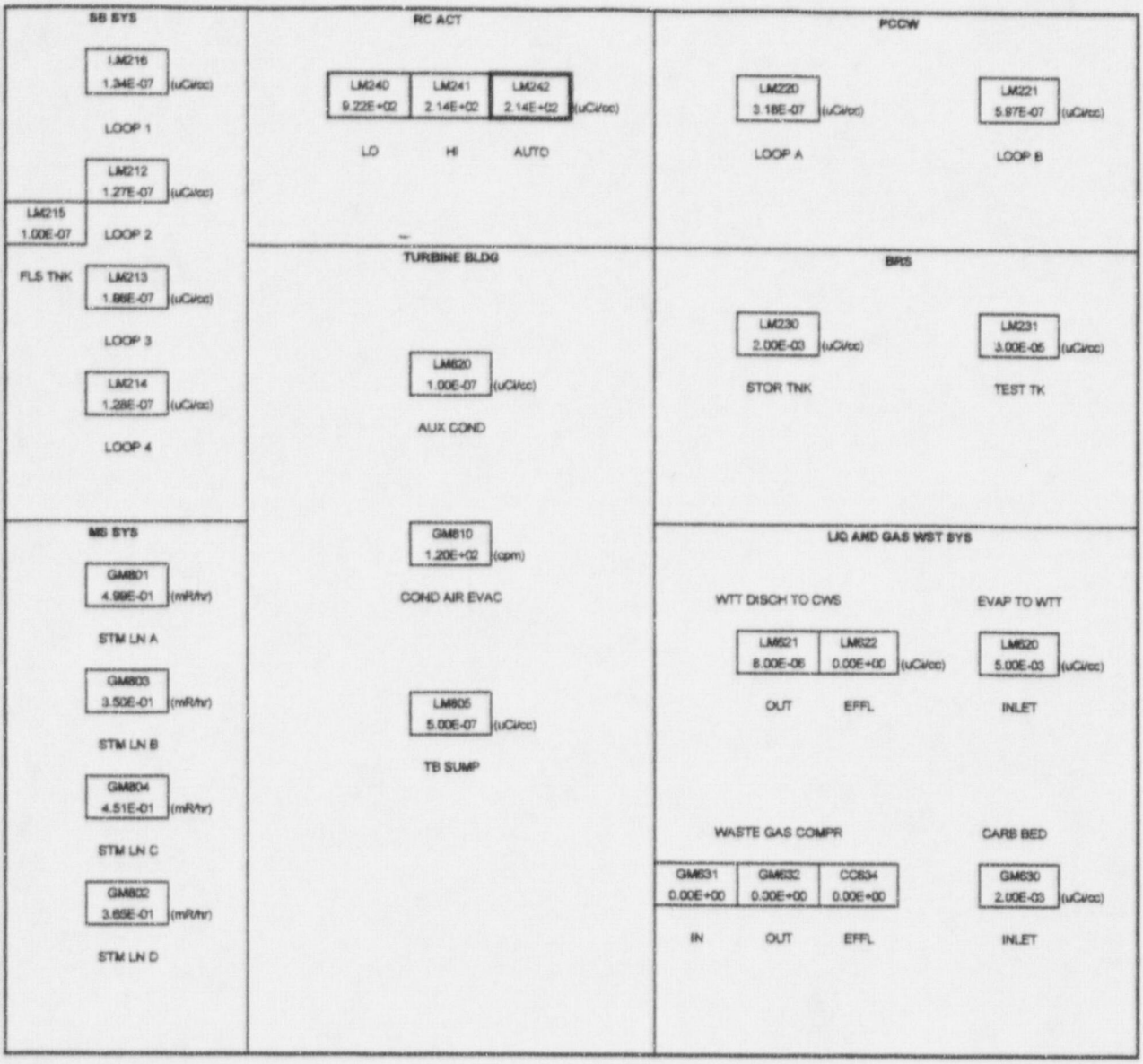
AIR ACTIVITY IN CPM UNLESS OTHERWISE INDICATED

0800 - 0845



Process Monitors

0846 - 0900



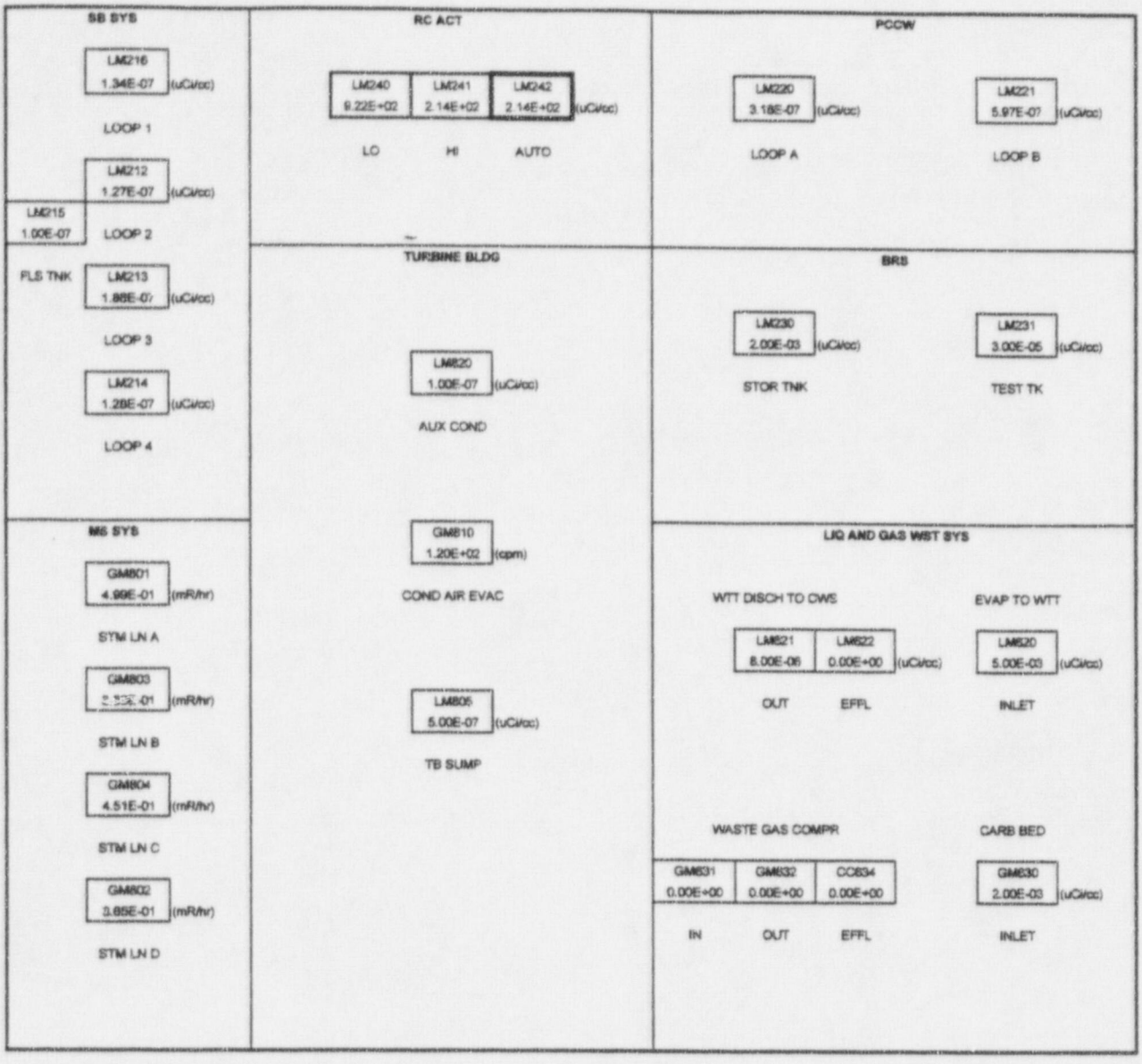
FLOWING FILTER ADVANCING PURGING CHECKSOURCE

GRIDS BB BB BB WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

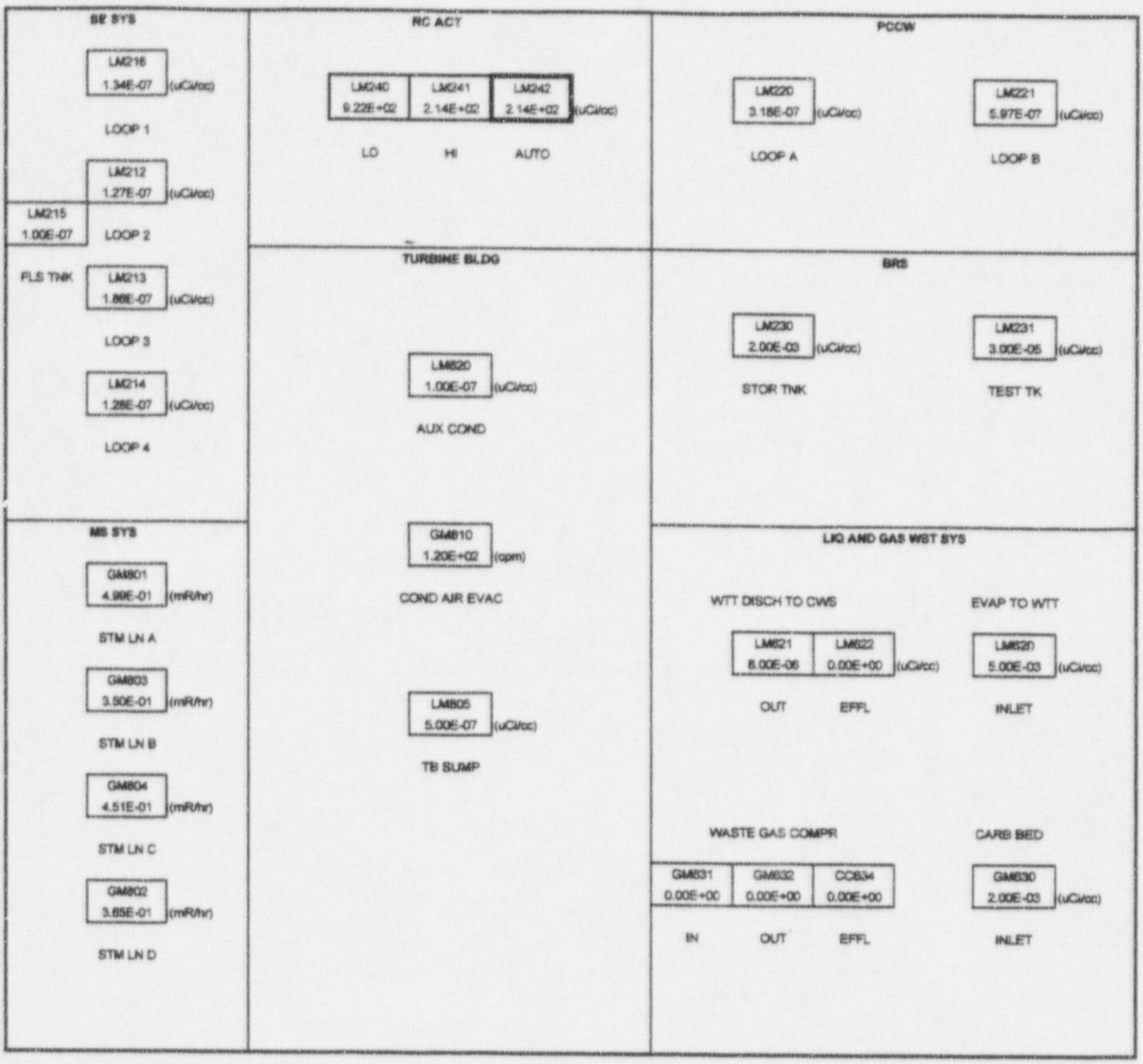
Process Monitors

0901 - 0915



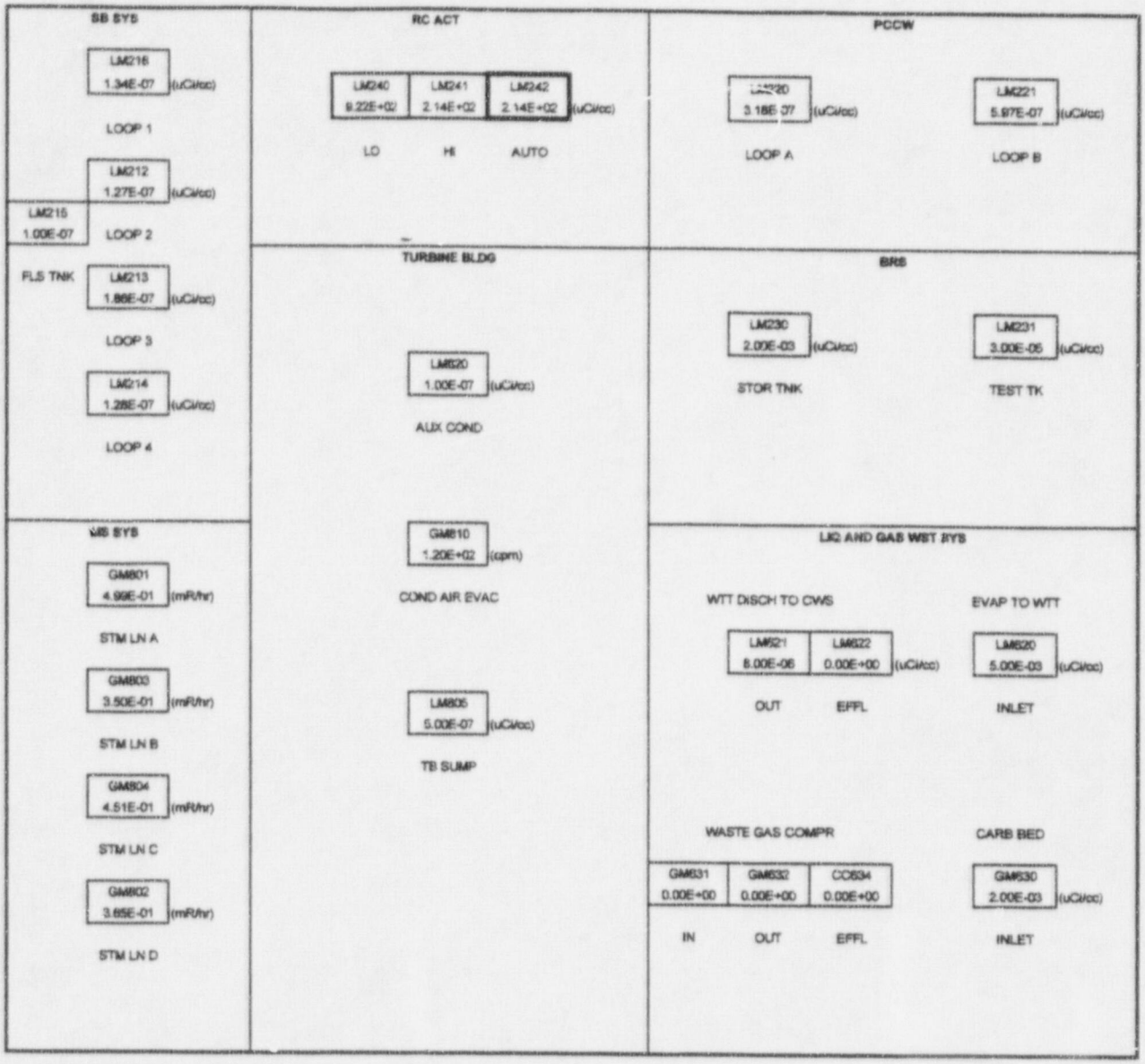
Process Monitors

0916 - 1930



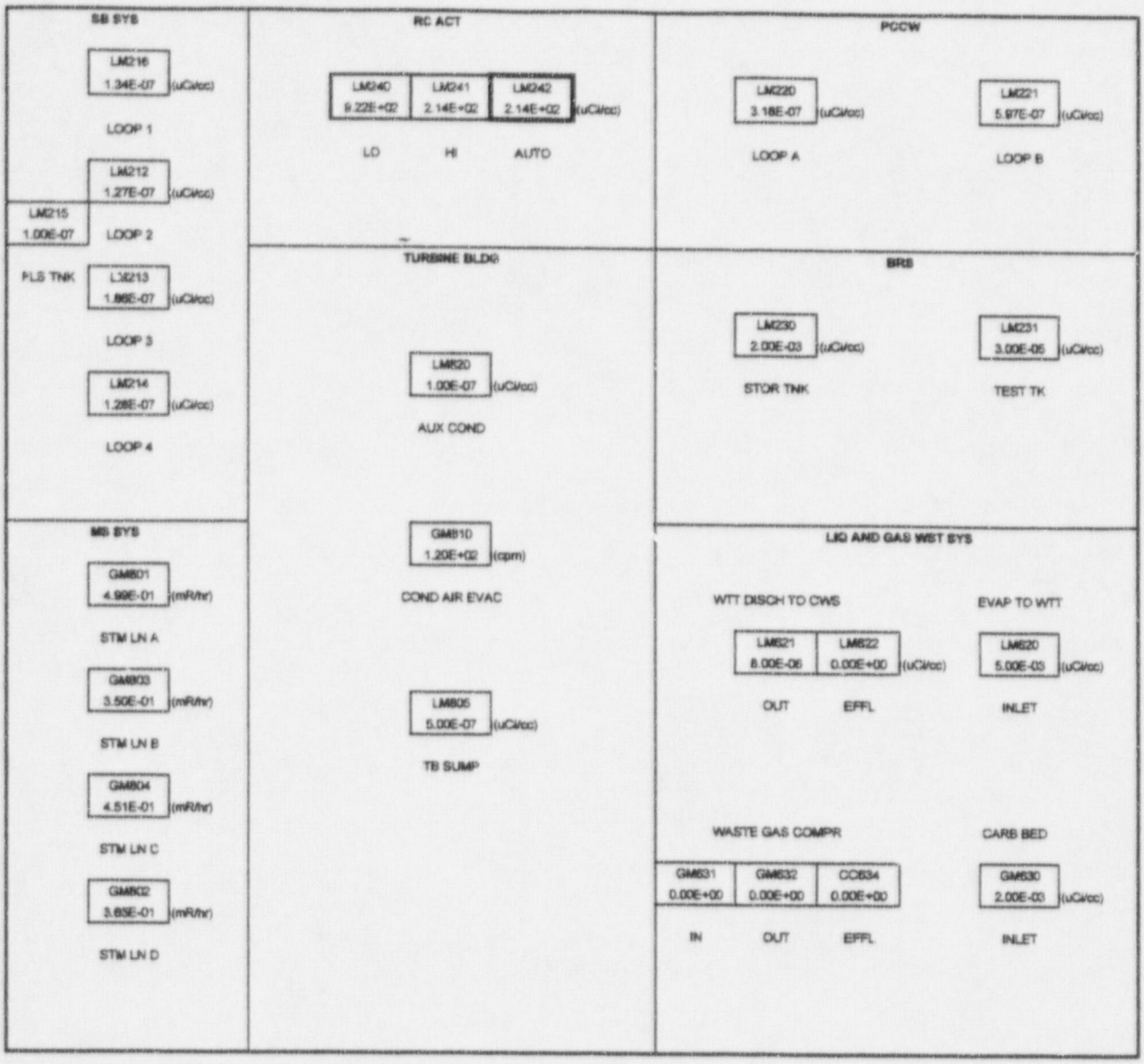
Process Monitors

0931 - 0945



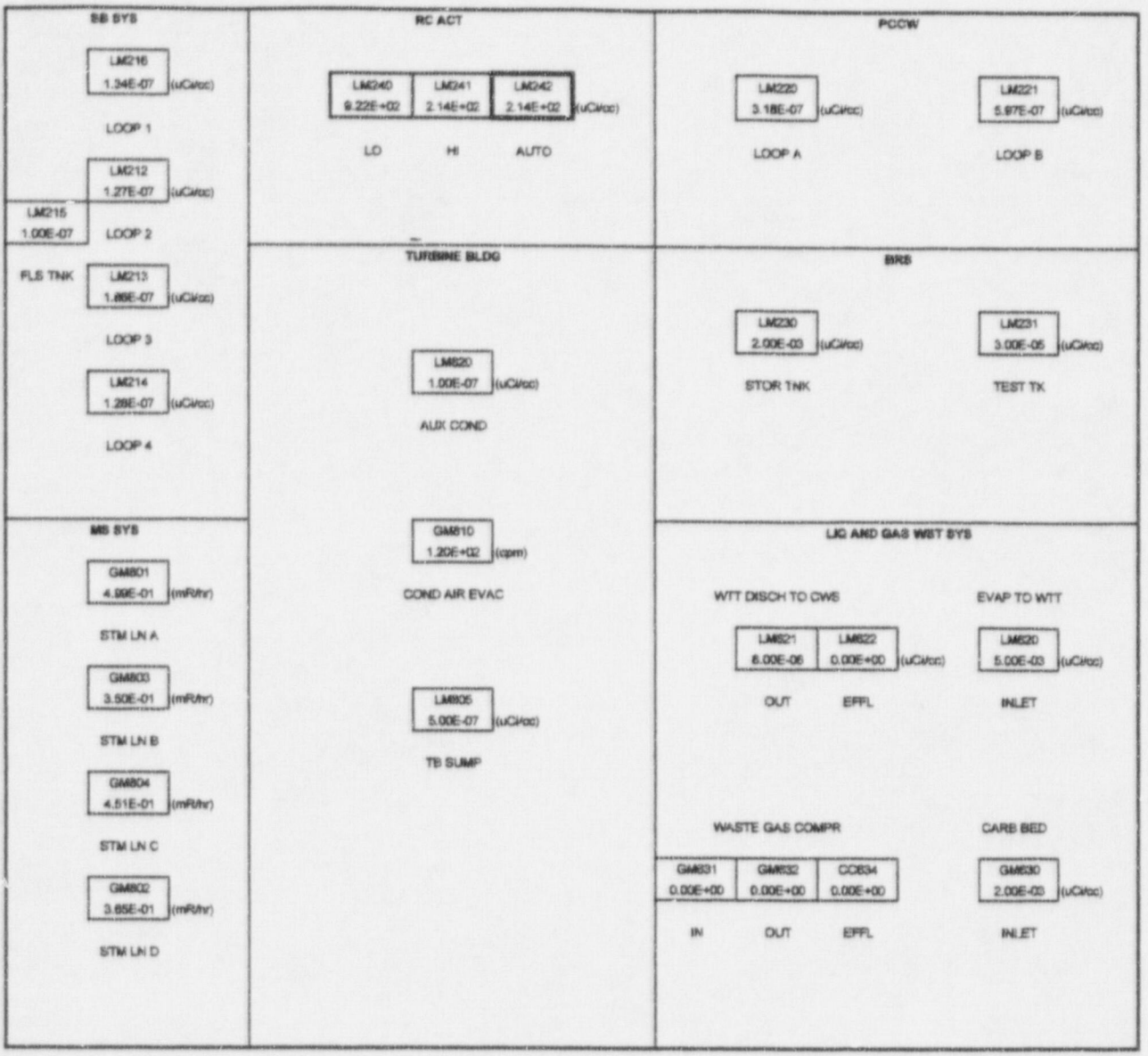
Process Monitors

0946 - 1000



Process Monitors

1001 - 1015



FLOWING FILTER ADVANCING PURGING CHECKSOURCE

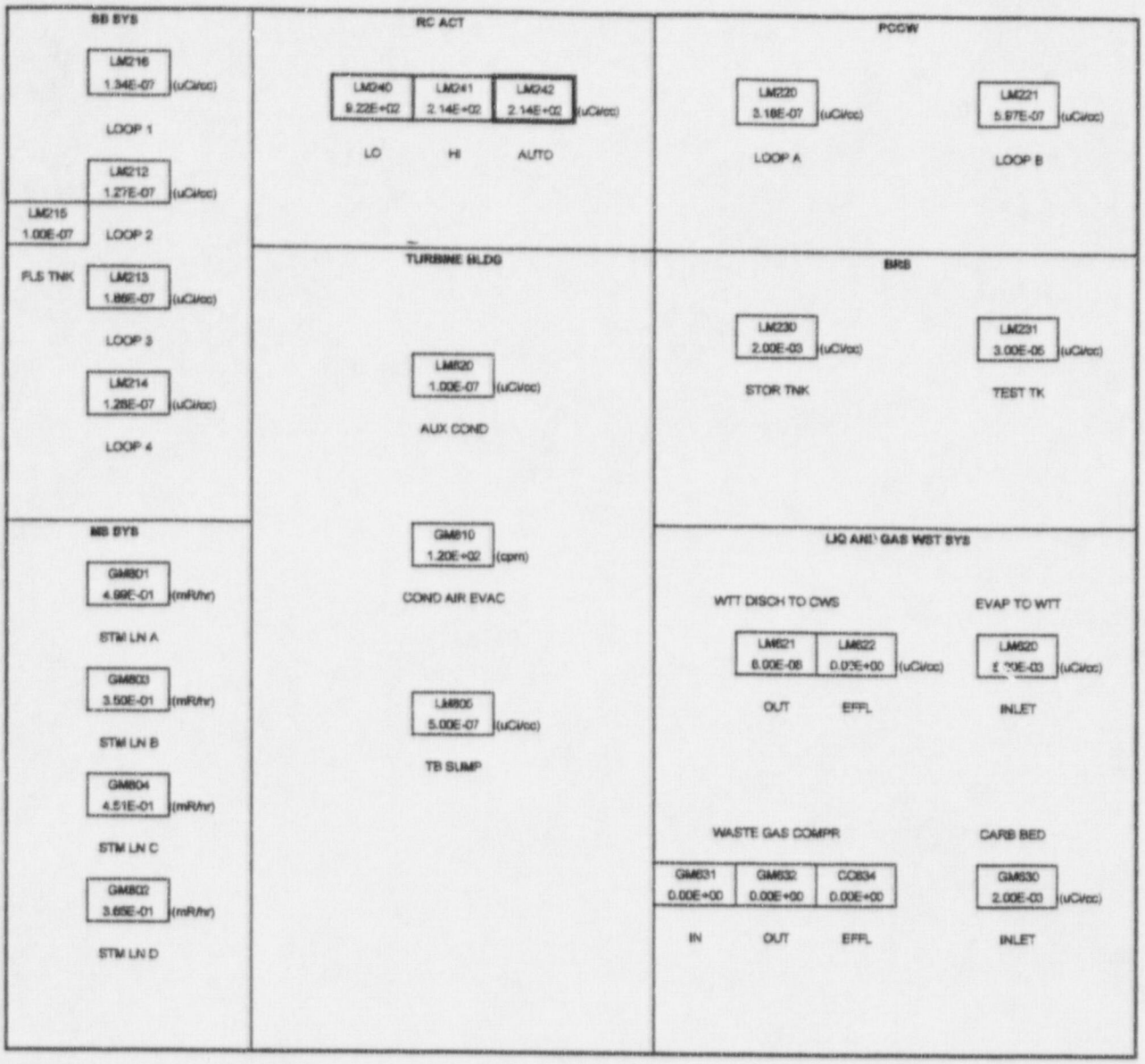
GRIDS BB BB BB

WW WW WW

TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

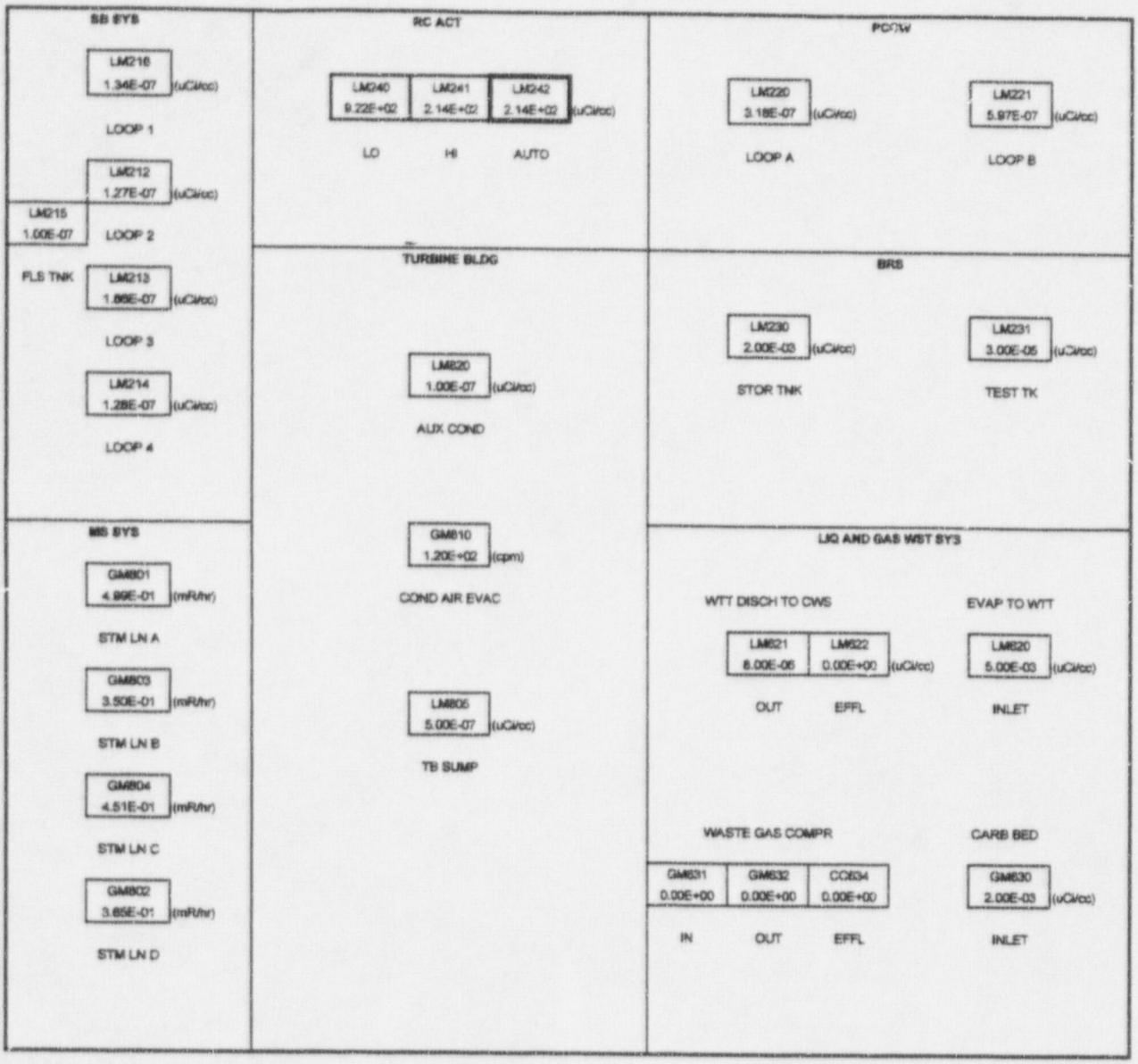
Process Monitors

1016 - 1030



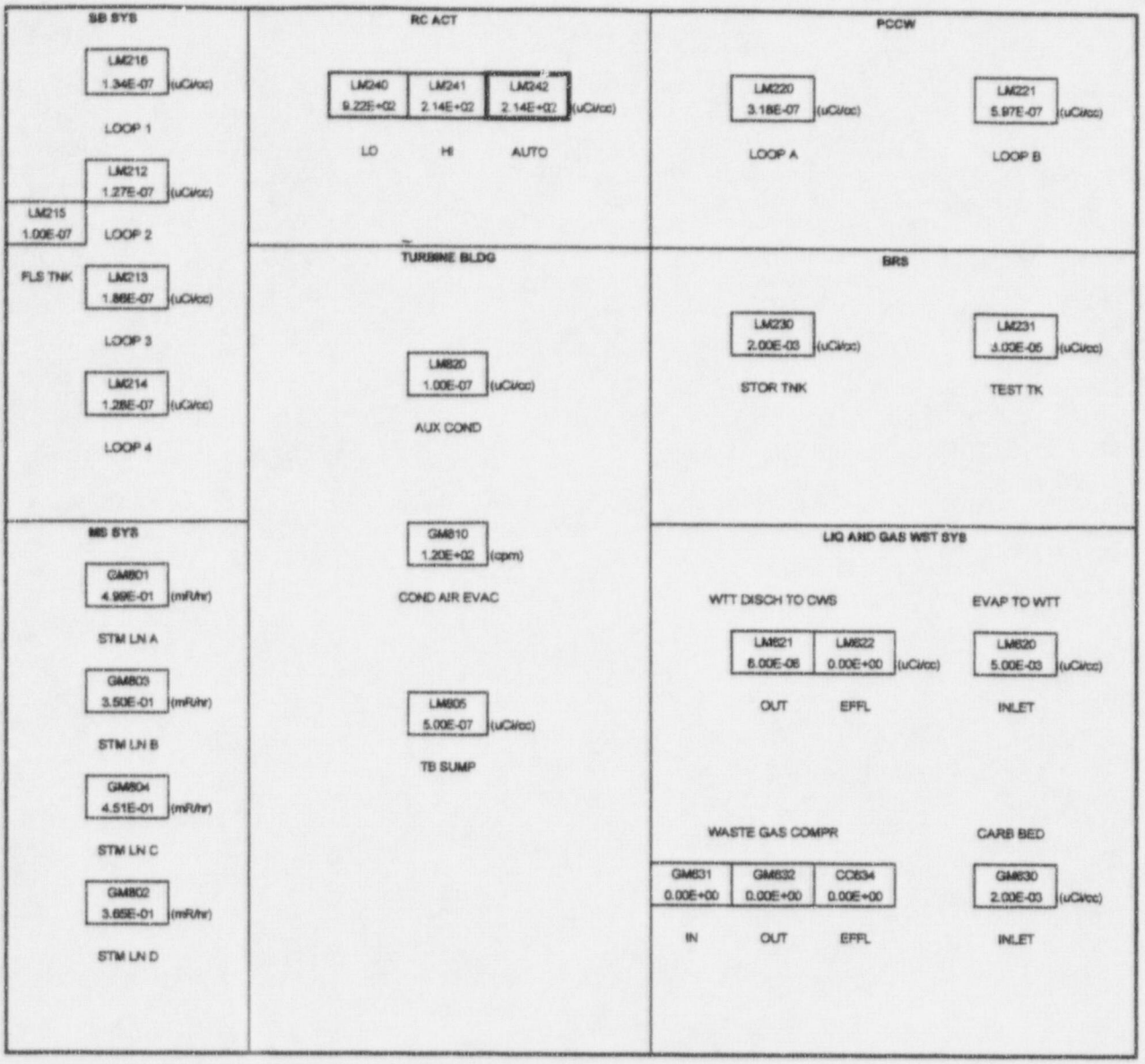
Process Monitors

1031 - 1045



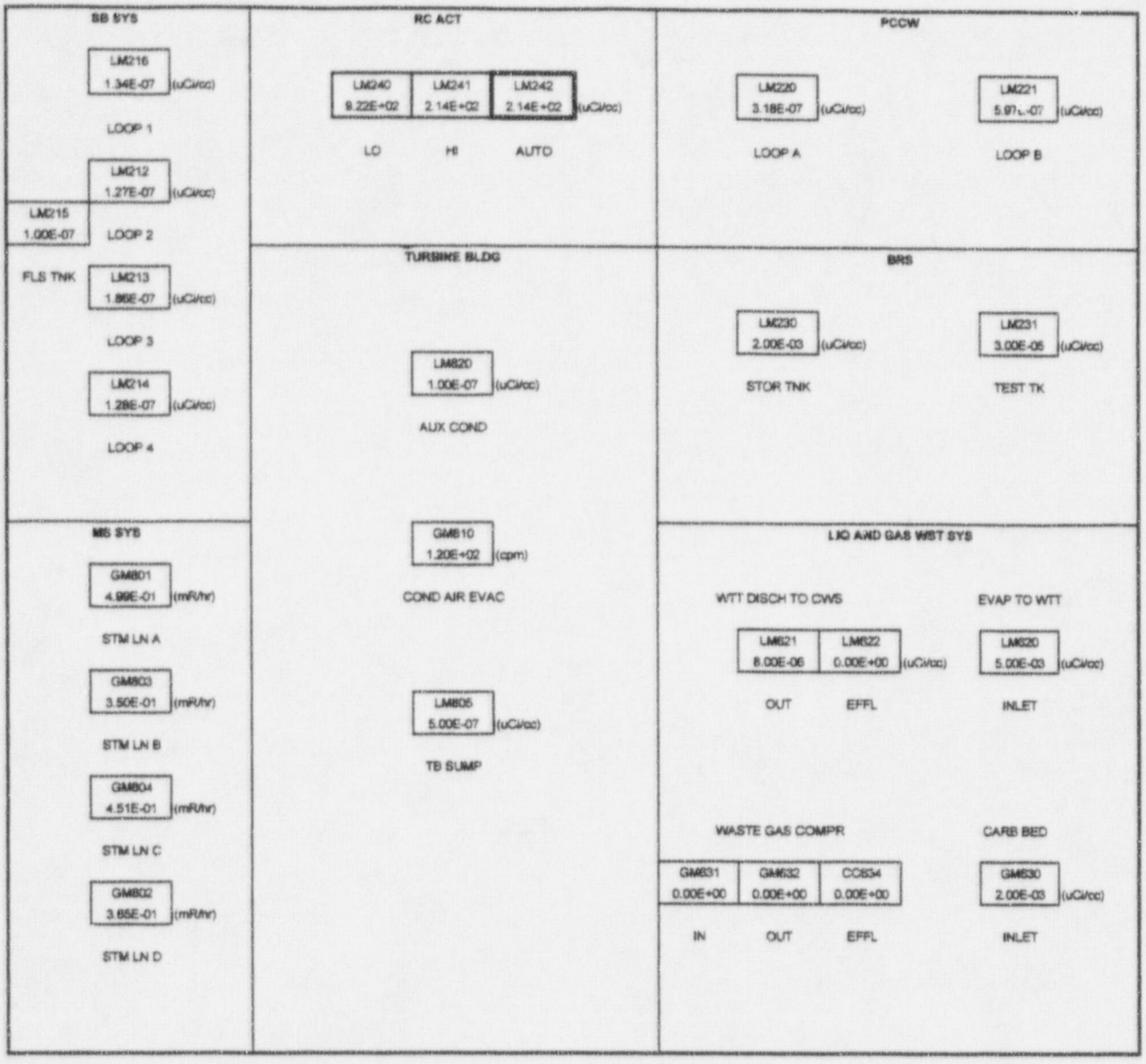
Process Monitors

1046 - 1100

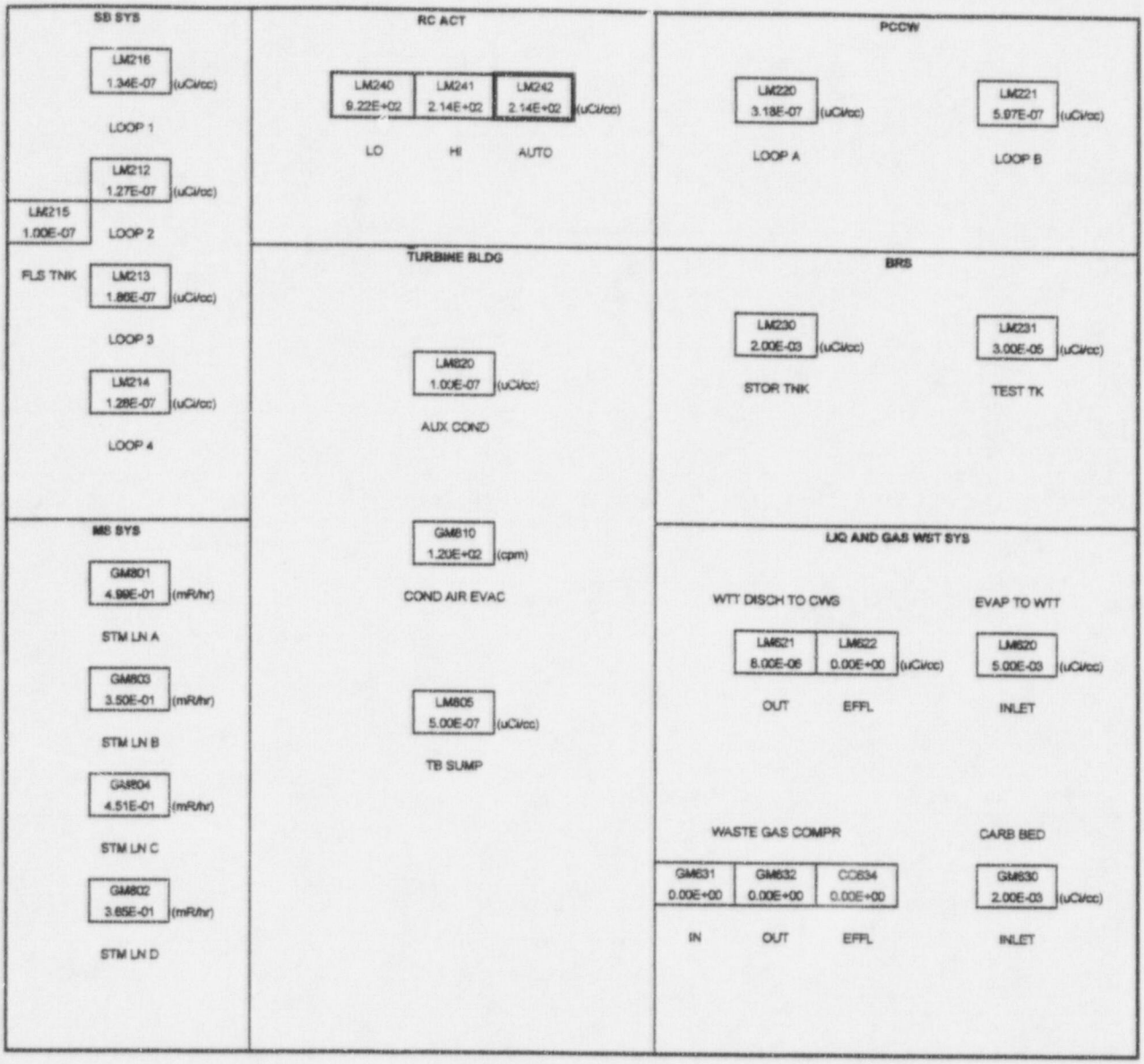


Process Monitors

1101 - 1115

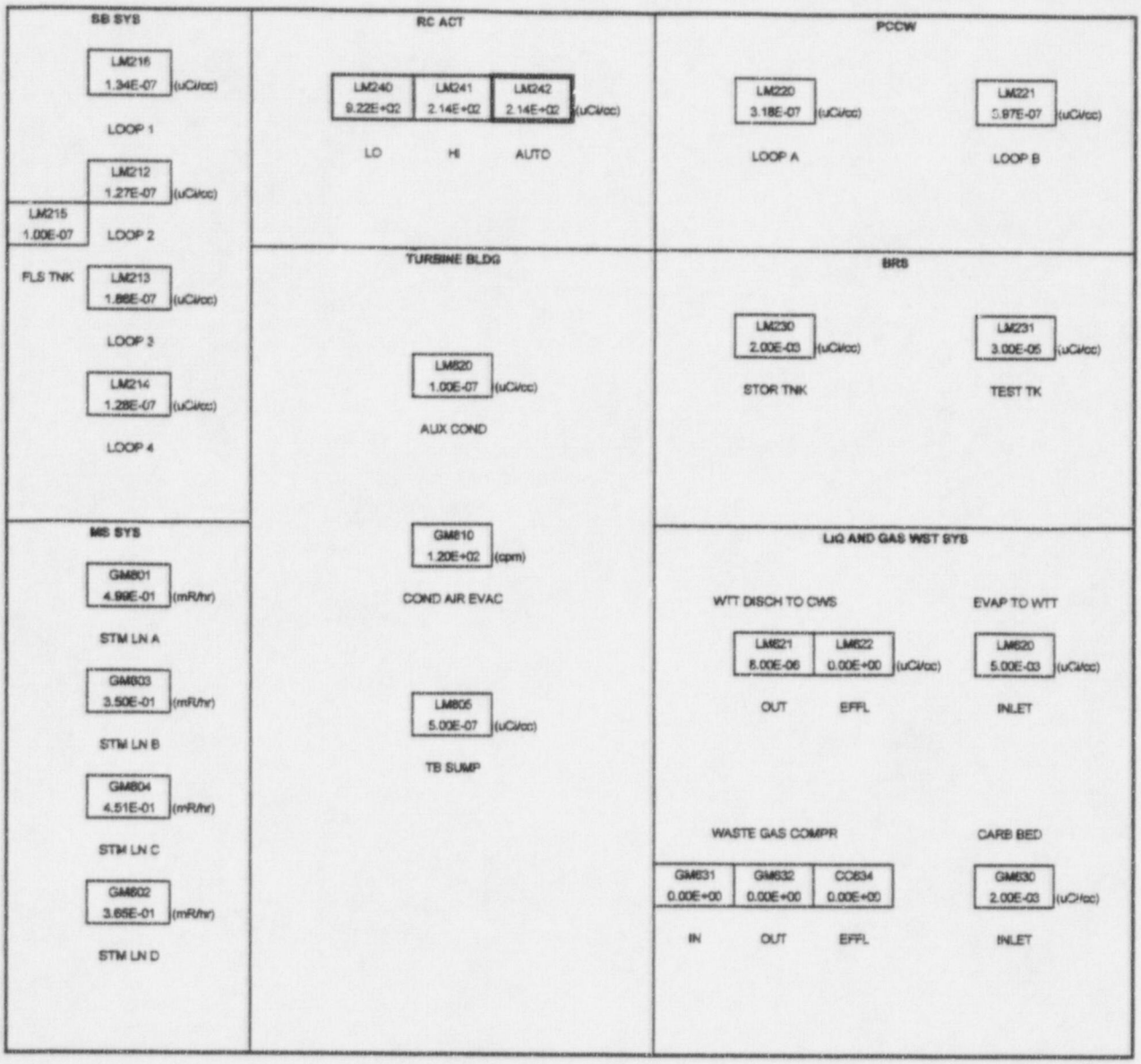


Process Monitors



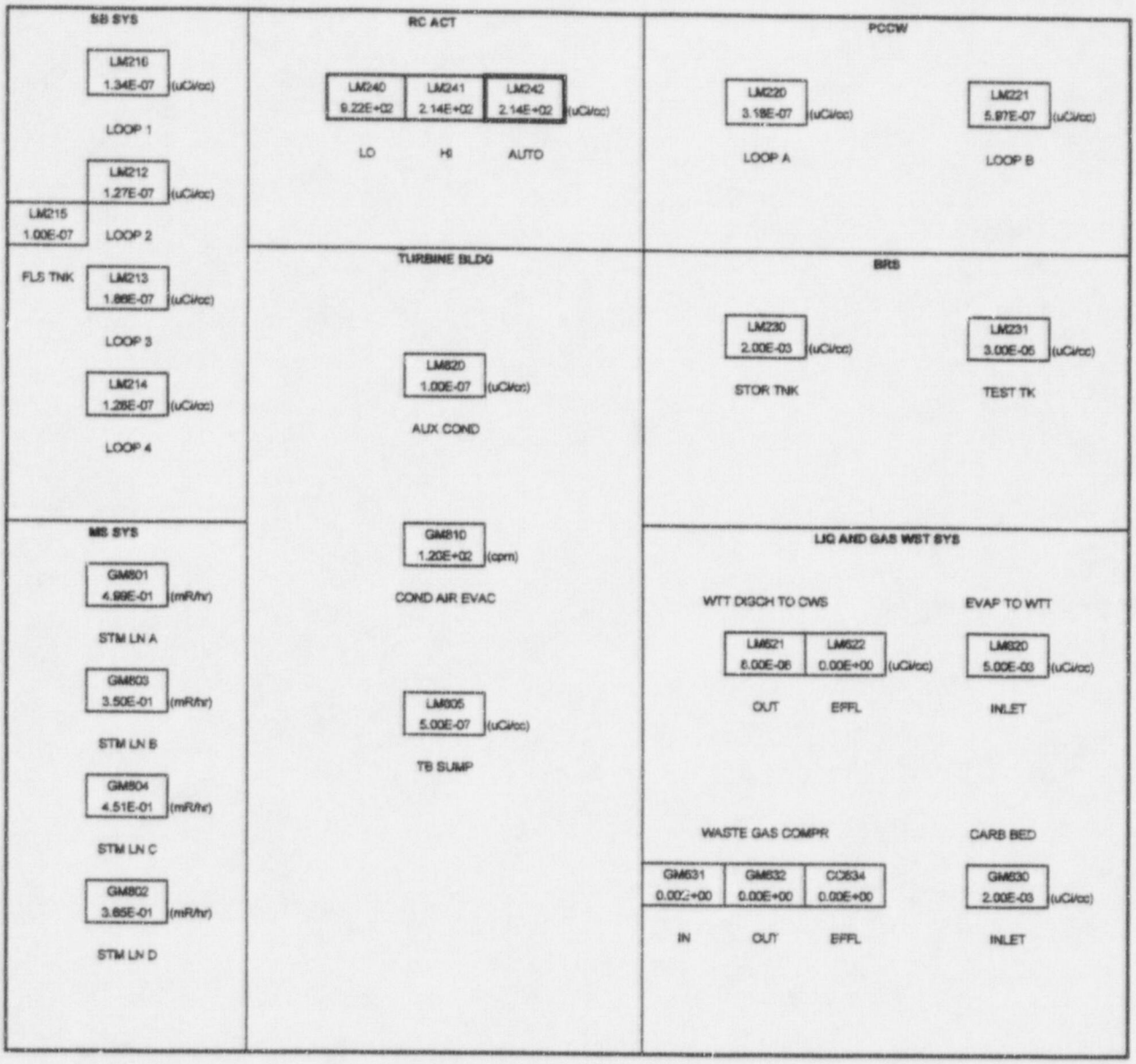
Process Monitors

1131 - 1145



Process Monitors

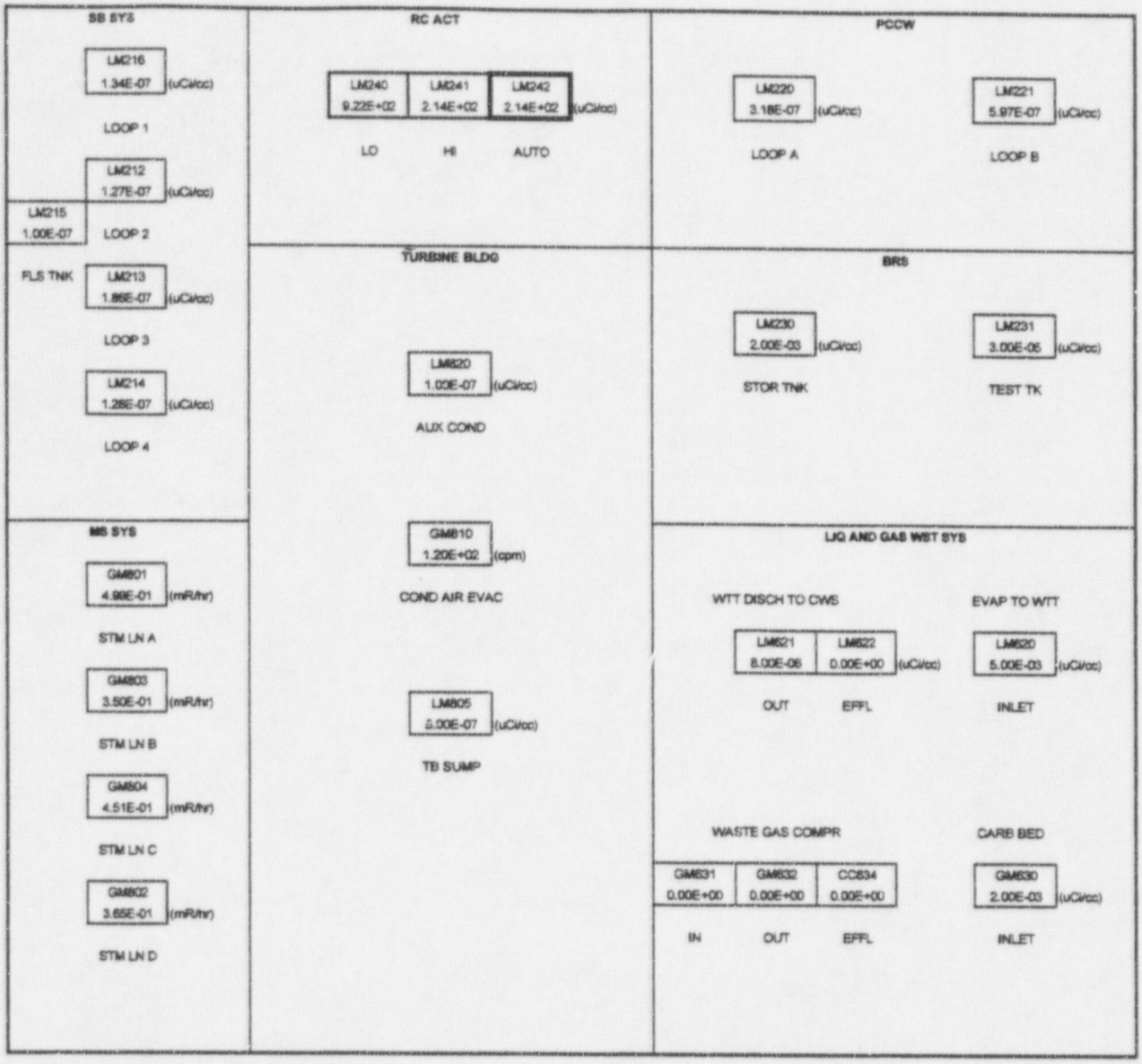
1146 - 1200



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

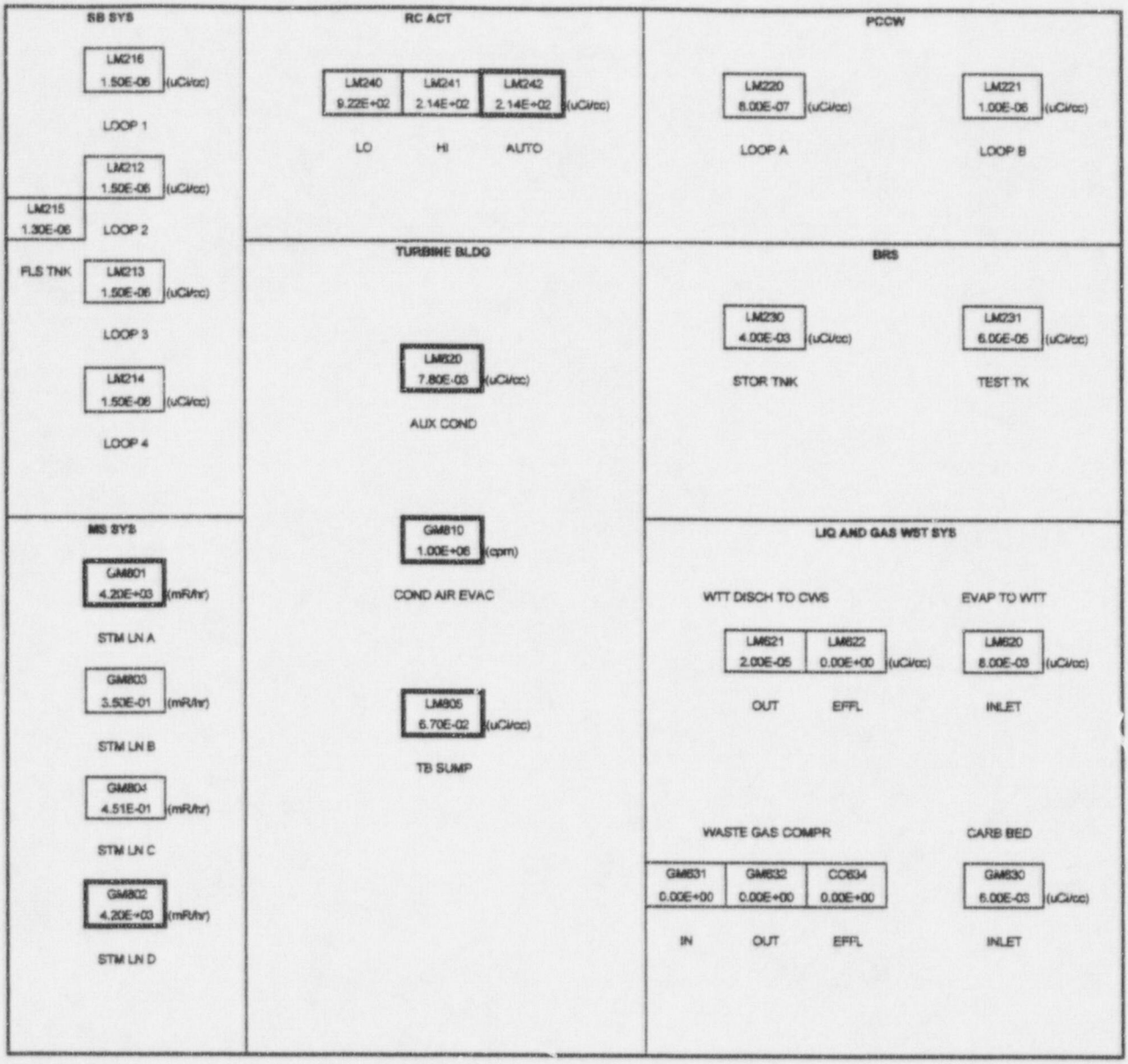
Process Monitors

1201 - 1207



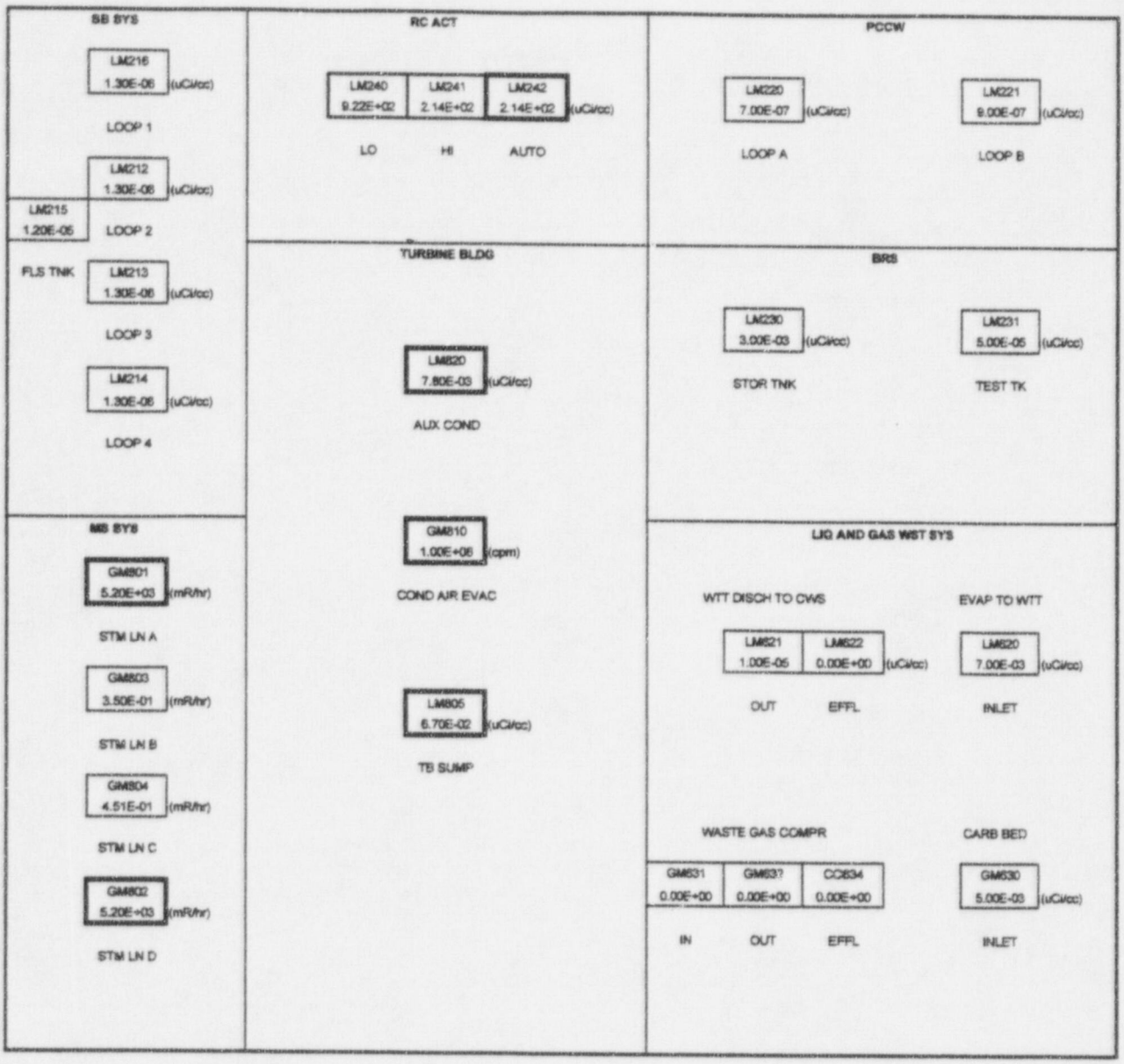
Process Monitors

1208 - 1230



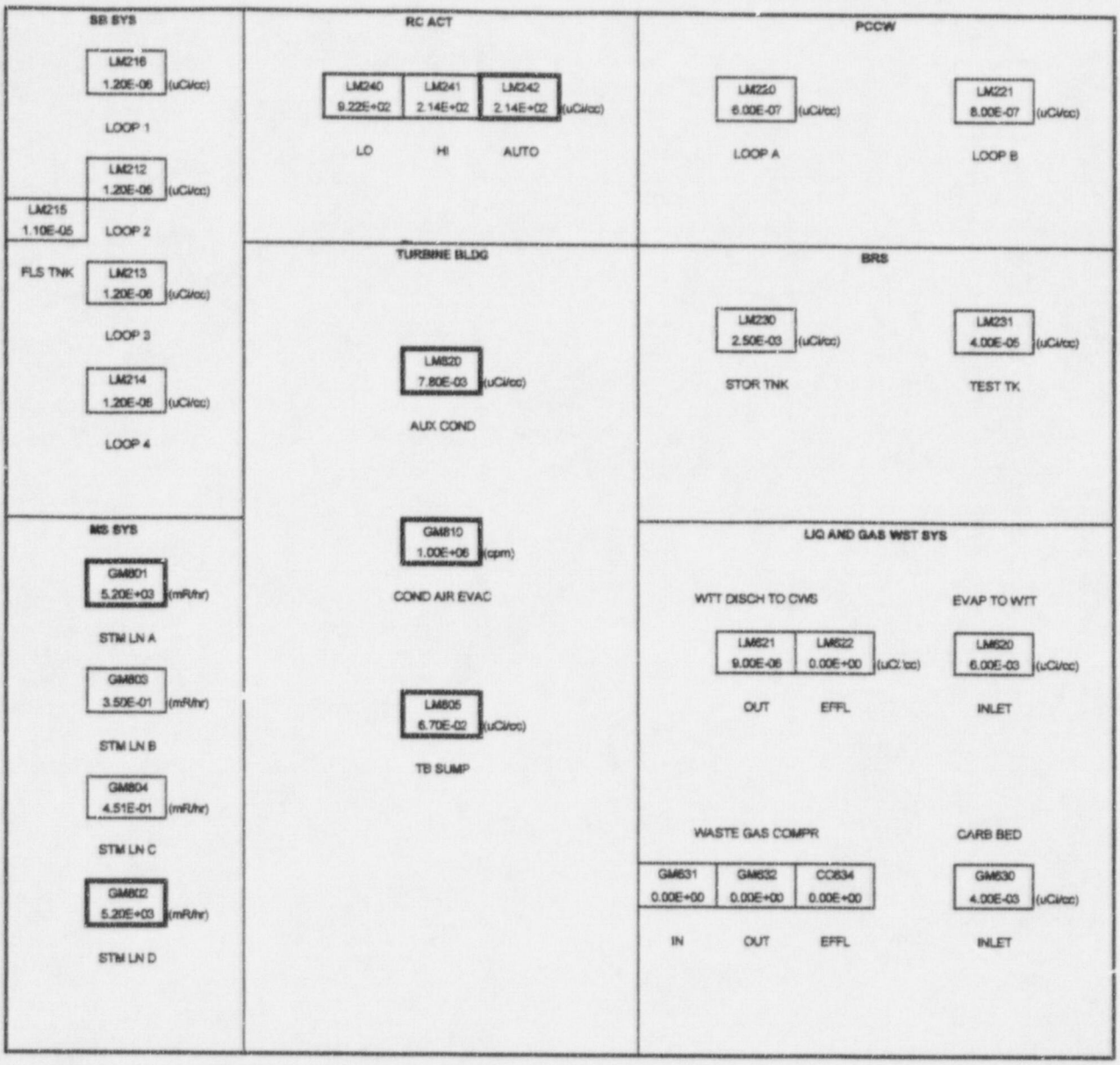
Process Monitors

1231 - 1245



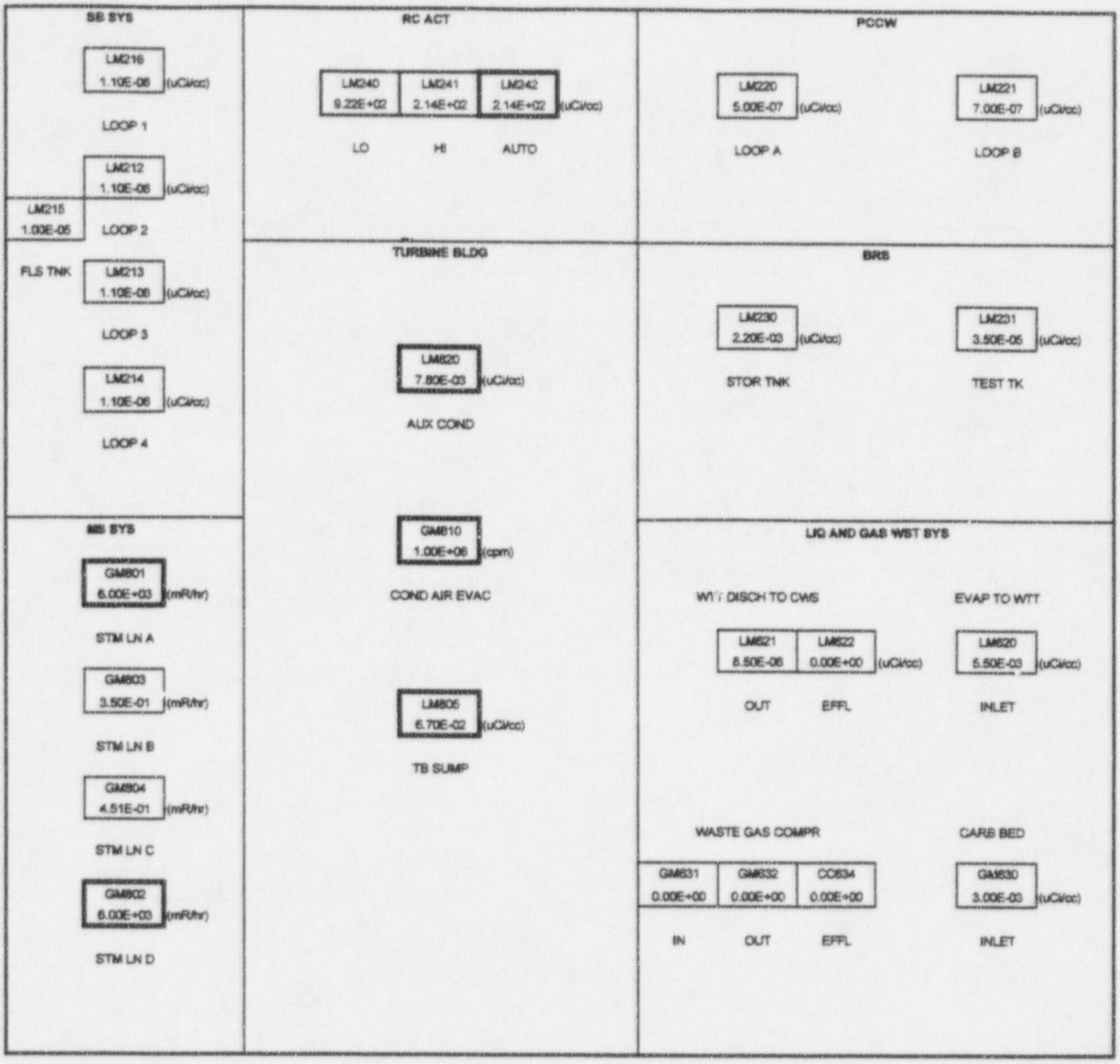
Process Monitors

1246 - 1300



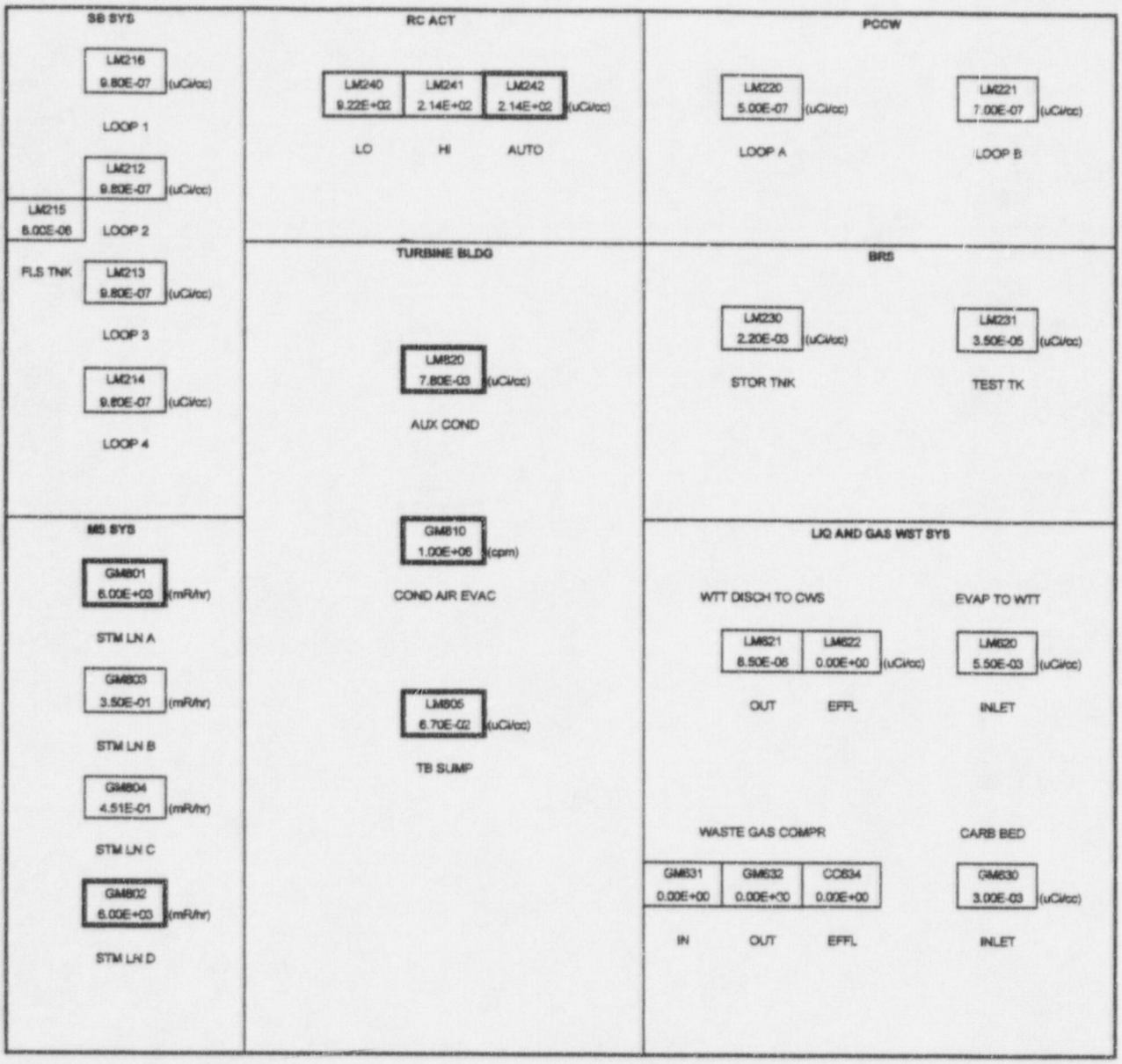
Process Monitors

1301 - 1315



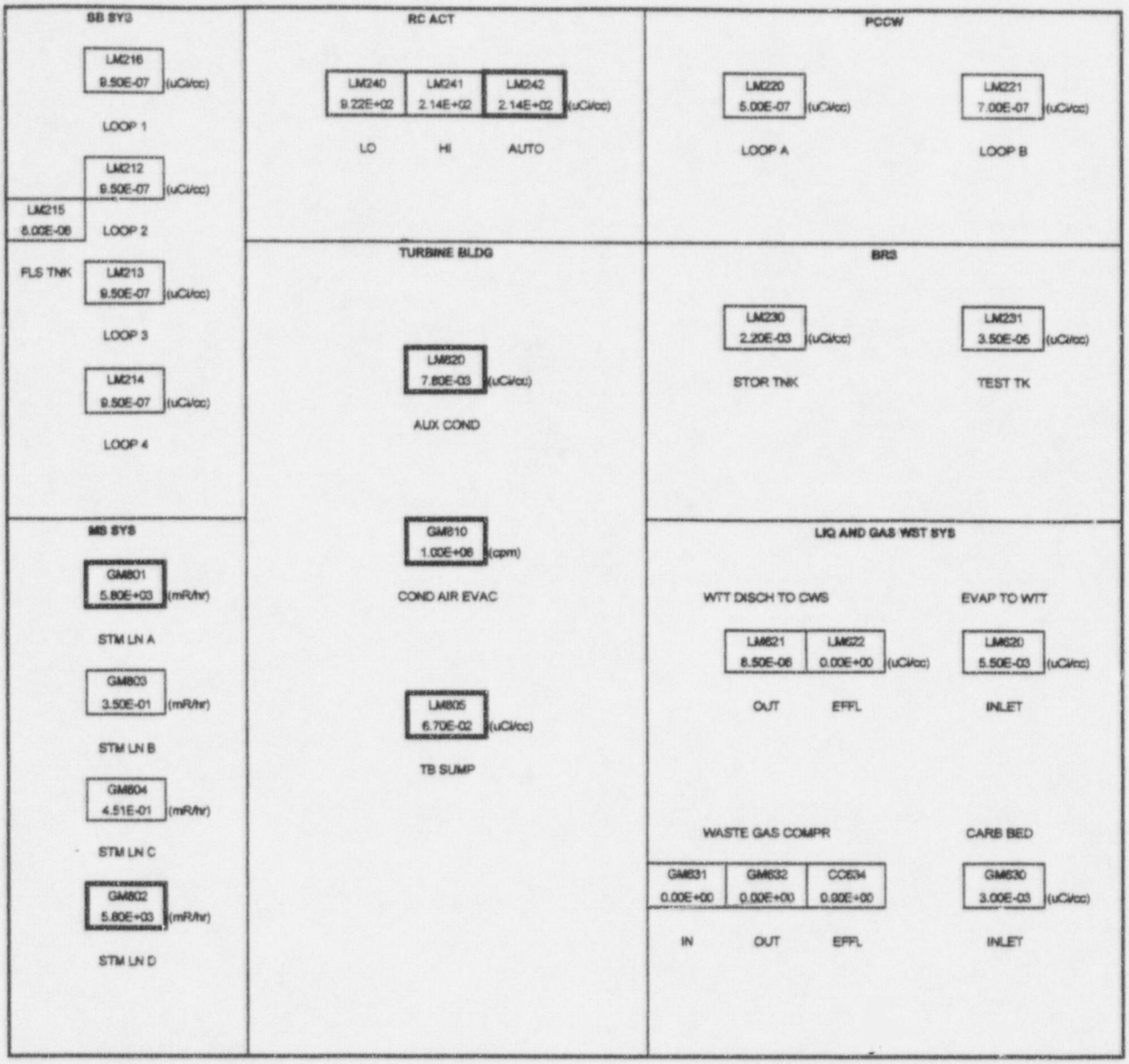
Process Monitors

1316 - 1330



Process Monitors

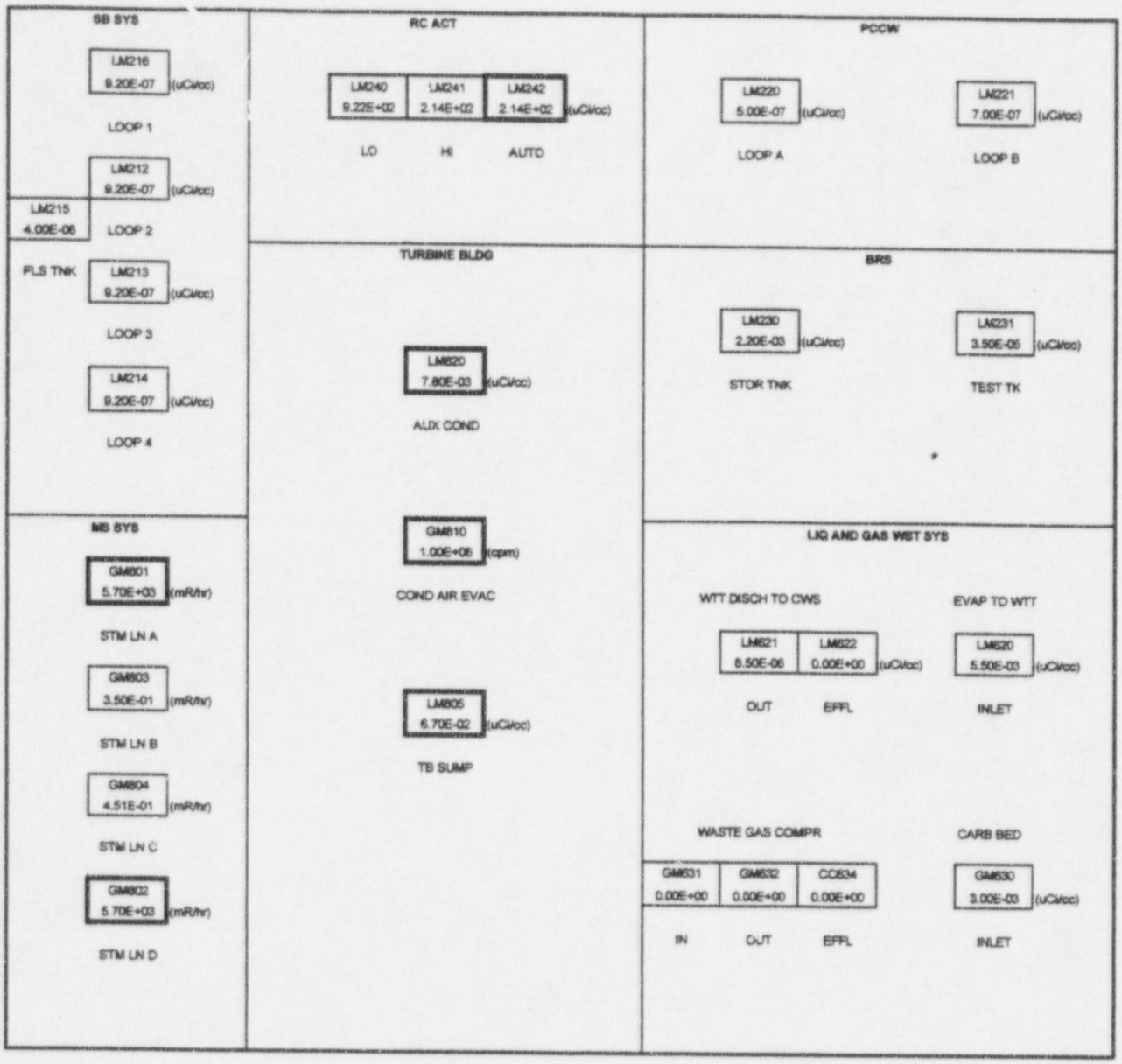
1331 - 1345



TO SELECT CHANNEL: 1) KEY IN CHANNEL NUMBER 2) PRESS SEL

Process Monitors

1346 - 1445



Process Monitors

Air Sample Isotopic Analylsis

Time	830	845	900	915	930	945	1000	1015	1030	1045	1100	1115	1130	1145	1200	1215	1230	1245	1300	1315	1330	1345
Kr83m	2.3E-4	4.4E-4	6.4E-4	8.1E-4	9.8E-4	1.1E-3	3.6E-3	5.8E-3	7.8E-3	9.5E-3	1.1E-2	1.2E-2	4.4E-2	4.3E-2	4.1E-2	3.9E-2	3.8E-2	3.6E-2	3.4E-2	3.3E-2	3.1E-2	3.1E-2
Kr85	1.5E-5	3.0E-5	4.3E-5	5.6E-5	6.9E-5	8.1E-5	2.6E-4	4.3E-4	6.0E-4	7.5E-4	8.9E-4	1.0E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3
Kr85m	4.9E-4	9.3E-4	1.3E-3	1.6E-3	1.9E-3	2.2E-3	6.8E-3	1.1E-2	1.4E-2	1.7E-2	2.0E-2	2.2E-2	8.0E-2	7.7E-2	7.5E-2	7.2E-2	6.9E-2	6.7E-2	6.4E-2	6.1E-2	5.8E-2	5.8E-2
Kr87	9.6E-4	1.6E-3	2.1E-3	2.4E-3	2.5E-3	2.6E-3	7.3E-3	1.1E-2	1.3E-2	1.4E-2	1.5E-2	1.5E-2	4.8E-2	4.4E-2	4.0E-2	3.6E-2	3.2E-2	2.8E-2	2.4E-2	2.0E-2	1.6E-2	1.6E-2
Kr88	1.3E-3	2.5E-3	3.4E-3	4.1E-3	4.7E-3	5.3E-3	1.6E-2	2.5E-2	3.2E-2	3.8E-2	4.3E-2	4.7E-2	1.7E-1	1.6E-1	1.5E-1	1.4E-1	1.3E-1	1.3E-1	1.2E-1	1.1E-1	1.0E-1	1.0E-1
Xe131m	1.9E-5	3.7E-5	5.4E-5	7.0E-5	8.6E-5	1.0E-4	3.3E-4	5.4E-4	7.5E-4	9.4E-4	1.1E-3	1.3E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3
Xe133	3.6E-3	7.0E-3	1.0E-2	1.3E-2	1.6E-2	1.9E-2	6.1E-2	1.0E-1	1.4E-1	1.8E-1	2.1E-1	2.4E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1
Xe133m	1.1E-4	2.2E-4	3.1E-4	4.0E-4	5.0E-4	5.9E-4	1.9E-3	3.1E-3	4.3E-3	5.4E-3	6.4E-3	7.3E-3	2.8E-2	2.8E-2	2.8E-2	2.8E-2	2.8E-2	2.8E-2	2.8E-2	2.8E-2	2.8E-2	2.8E-2
Xe135	8.5E-4	1.7E-3	2.7E-3	3.6E-3	4.6E-3	5.6E-3	1.9E-2	3.2E-2	4.5E-2	5.8E-2	7.1E-2	8.3E-2	3.2E-1	3.3E-1	3.3E-1	3.4E-1	3.4E-1	3.4E-1	3.5E-1	3.5E-1	3.6E-1	3.6E-1
Xe135m	6.9E-4	1.2E-3	1.5E-3	1.9E-3	2.2E-3	2.5E-3	7.9E-3	1.3E-2	1.7E-2	2.1E-2	2.4E-2	2.7E-2	1.0E-1	9.7E-2	9.5E-2	9.3E-2	9.0E-2	8.8E-2	8.6E-2	8.3E-2	8.1E-2	8.1E-2
Xe138	3.0E-3	3.6E-3	2.0E-3	1.6E-3	7.2E-4	5.2E-4	6.3E-4	6.4E-4	3.3E-4	3.2E-4	2.6E-4	1.7E-4	1.1E-4	1.0E-4	8.6E-5	7.2E-5	5.8E-5	4.3E-5	2.9E-5	1.5E-5	3.2E-7	3.2E-7
Total	**1.1E-2**	**1.9E-2**	**2.4E-2**	**3.0E-2**	**3.4E-2**	**4.0E-2**	**1.2E-1**	**2.0E-1**	**2.7E-1**	**3.4E-1**	**4.0E-1**	**4.6E-1**	**1.7E+0**	**1.7E+0**	**1.7E+0**	**1.7E+0**	**1.6E+0**	**1.6E+0**	**1.6E+0**	**1.6E+0**	**1.6E+0**	**1.6E+0**
I130	9.7E-8	1.9E-7	2.7E-7	3.4E-7	4.1E-7	4.8E-7	1.5E-6	2.5E-6	3.4E-6	4.2E-6	4.9E-6	5.6E-6	2.1E-5	1.0E-5	7.7E-6	7.6E-6	7.5E-6	7.4E-6	7.2E-6	7.1E-6	5.9E-6	4.7E-6
I131	3.5E-6	6.7E-6	9.8E-6	1.3E-5	1.5E-5	1.8E-5	5.9E-5	9.7E-5	1.3E-4	1.7E-4	2.0E-4	2.3E-4	8.7E-4	4.4E-4	3.3E-4	3.3E-4	3.3E-4	3.3E-4	3.3E-4	3.3E-4	2.7E-4	2.2E-4
I132	5.0E-6	9.7E-6	1.4E-5	1.8E-5	2.2E-5	2.6E-5	8.5E-5	1.4E-4	1.9E-4	2.4E-4	2.9E-4	3.3E-4	1.2E-3	6.2E-4	4.7E-4	4.7E-4	4.7E-4	4.7E-4	4.7E-4	4.6E-4	3.9E-4	3.1E-4
I133	7.2E-6	1.4E-5	2.0E-5	2.6E-5	3.1E-5	3.7E-5	1.2E-4	1.9E-4	2.7E-4	3.3E-4	3.9E-4	4.5E-4	1.7E-3	8.4E-4	6.2E-4	6.2E-4	6.1E-4	6.1E-4	6.0E-4	6.0E-4	4.9E-4	4.0E-4
I134	7.9E-6	1.4E-5	2.0E-5	2.3E-5	2.5E-5	2.6E-5	7.4E-5	1.1E-4	1.3E-4	1.4E-4	1.5E-4	1.4E-4	4.4E-4	2.0E-4	1.3E-4	1.2E-4	1.0E-4	8.8E-5	7.3E-5	5.8E-5	3.5E-5	2.8E-5
I135	6.7E-6	1.3E-5	1.8E-5	2.3E-5	2.7E-5	3.1E-5	9.8E-5	1.6E-4	2.1E-4	2.6E-4	3.0E-4	3.4E-4	1.2E-3	6.1E-4	4.5E-4	4.3E-4	4.2E-4	4.1E-4	4.0E-4	3.9E-4	3.2E-4	2.5E-4
Total	**3.0E-5**	**5.8E-5**	**8.2E-5**	**1.0E-4**	**1.2E-4**	**1.4E-4**	**4.4E-4**	**7.0E-4**	**9.3E-4**	**1.1E-3**	**1.3E-3**	**1.5E-3**	**5.5E-3**	**2.7E-3**	**2.0E-3**	**2.0E-3**	**1.9E-3**	**1.9E-3**	**1.9E-3**	**1.8E-3**	**1.5E-3**	**1.2E-3**
Br82	1.5E-8	2.8E-8	4.1E-8	5.3E-8	6.4E-8	7.6E-8	2.4E-7	4.0E-7	5.5E-7	6.9E-7	8.1E-7	9.3E-7	3.5E-6	1.8E-6	1.3E-6	1.3E-6	1.3E-6	1.3E-6	1.3E-6	1.3E-6	1.1E-6	8.5E-7
Br83	4.6E-7	8.4E-7	1.2E-6	1.4E-6	1.6E-6	1.8E-6	5.4E-6	8.3E-6	1.1E-5	1.3E-5	1.4E-5	1.5E-5	5.2E-5	2.5E-5	1.7E-5	1.6E-5	1.5E-5	1.4E-5	1.3E-5	1.2E-5	9.2E-6	7.3E-6
Br84	8.0E-7	1.2E-6	1.3E-6	1.3E-6	1.1E-6	9.7E-7	2.1E-6	2.7E-6	2.5E-6	2.6E-6	2.4E-6	2.0E-6	4.5E-6	2.0E-6	1.3E-6	1.1E-6	9.1E-7	7.1E-7	5.1E-7	3.2E-7	1.0E-7	8.2E-8
Rb86	5.5E-9	1.1E-8	1.5E-8	2.0E-8	2.5E-8	2.9E-8	9.4E-8	1.5E-7	2.1E-7	2.7E-7	3.2E-7	3.7E-7	1.4E-6	7.0E-7	5.2E-7	5.2E-7	5.2E-7	5.2E-7	5.2E-7	5.2E-7	4.4E-7	3.5E-7
Rb88	2.7E-6	5.2E-6	7.3E-6	9.0E-6	1.0E-5	1.2E-5	3.5E-5	5.5E-5	7.2E-5	8.5E-5	9.6E-5	1.0E-4	3.7E-4	1.8E-4	1.2E-4	1.2E-4	1.1E-4	1.0E-4	9.8E-5	9.1E-5	7.1E-5	5.7E-5
Rb89	3.5E-6	4.5E-6	3.2E-6	2.0E-6	1.3E-12	1.9E-7	1.2E-6	1.3E-6	7.2E-7	6.9E-7	5.7E-7	3.7E-7	3.0E-7	1.3E-7	8.6E-8	7.2E-8	5.7E-8	4.3E-8	2.9E-8	1.5E-8	4.0E-10	3.2E-10
Cs134	3.8E-7	7.4E-7	1.1E-6	1.4E-6	1.7E-6	2.0E-6	6.5E-6	1.1E-5	1.5E-5	1.9E-5	2.2E-5	2.5E-5	9.7E-5	4.8E-5	3.6E-5	3.6E-5	3.6E-5	3.6E-5	3.6E-5	3.6E-5	3.0E-5	2.4E-5
Cs134m	1.4E-7	2.5E-7	3.4E-7	4.2E-7	4.8E-7	5.4E-7	1.6E-6	2.5E-6	3.3E-6	3.9E-6	4.4E-6	4.8E-6	1.7E-5	8.1E-6	5.8E-6	5.5E-6	5.2E-6	4.9E-6	4.6E-6	4.2E-6	3.3E-6	2.6E-6
Cs136	1.5E-7	2.9E-7	4.2E-7	5.4E-7	6.6E-7	7.8E-7	2.5E-6	4.1E-6	5.7E-6	7.2E-6	8.5E-6	9.8E-6	3.7E-5	1.9E-5	1.4E-5	1.4E-5	1.4E-5	1.4E-5	1.4E-5	1.4E-5	1.2E-5	9.3E-6
Cs137	3.1E-7	6.0E-7	8.8E-7	1.1E-6	1.4E-6	1.6E-6	5.3E-6	8.8E-6	1.2E-5	1.5E-5	1.8E-5	2.1E-5	7.9E-5	4.0E-5	3.0E-5	3.0E-5	3.0E-5	3.0E-5	3.0E-5	3.0E-5	2.5E-5	2.0E-5
Cs138	6.6E-6	1.1E-5	1.4E-5	1.4E-5	1.3E-5	1.2E-5	2.7E-5	3.4E-5	3.3E-5	3.4E-5	3.2E-5	2.6E-5	6.0E-5	2.7E-5	1.7E-5	1.5E-5	1.2E-5	9.5E-6	6.9E-6	4.3E-6	1.4E-6	1.1E-6
Total	**1.5E-5**	**2.5E-5**	**3.0E-5**	**3.1E-5**	**3.0E-5**	**3.2E-5**	**8.8E-5**	**1.3E-4**	**1.6E-4**	**1.8E-4**	**2.0E-4**	**2.1E-4**	**7.2E-4**	**3.5E-4**	**2.5E-4**	**2.4E-4**	**2.3E-4**	**2.2E-4**	**2.0E-4**	**1.9E-4**	**1.5E-4**	**1.2E-4**

	1200-1215	1216- 1230	1231-1245	1246-1300	1301-1315	1316-1330	1331-1345	1346-1445
Kr83m	8.28E-06	7.45E-06	7.76E-06	6.38E-06	5.47E-06	4.26E-06	3.86E-06	3.74E-06
Kr85	7.87E-07	7.45E-07	7.96E-07	6.91E-07	6.27E-07	5.04E-07	4.85E-07	4.71E-07
Kr85m	1.51E-05	1.38E-05	1.41E-05	1.19E-05	1.03E-05	7.88E-06	7.22E-06	7.00E-06
Kr87	8.07E-06	6.88E-06	6.53E-06	4.96E-06	3.86E-06	2.58E-06	1.99E-06	1.93E-06
Kr88	3.03E-05	2.67E-05	2.65E-05	2.30E-05	1.93E-05	1.42E-05	1.24E-05	1.21E-05
Xe131m	9.89E-07	9.36E-07	1.00E-06	8.69E-07	7.88E-07	6.33E-07	6.10E-07	5.91E-07
Xe133	1.84E-04	1.74E-04	1.86E-04	1.61E-04	1.46E-04	1.18E-04	1.13E-04	1.10E-04
Xe133m	5.65E-06	5.35E-06	5.72E-06	4.96E-06	4.50E-06	3.62E-06	3.48E-06	3.38E-06
Xe135	6.66E-05	6.49E-05	6.94E-05	6.03E-05	5.63E-05	4.52E-05	4.48E-05	4.34E-05
Xe135m	1.92E-05	1.78E-05	1.84E-05	1.56E-05	1.38E-05	1.07E-05	1.01E-05	9.77E-06
Xe138	1.74E-08	1.38E-08	1.18E-08	7.62E-09	4.66E-09	1.94E-09	3.98E-11	3.86E-11
Total	**3.39E-04**	**3.18E-04**	**3.36E-04**	**2.90E-04**	**2.61E-04**	**2.07E-04**	**1.98E-04**	**1.92E-04**
I130	1.55E-09	1.45E-09	1.53E-09	1.31E-09	1.16E-09	9.17E-10	7.34E-10	5.67E-10
I131	6.66E-08	6.30E-08	6.74E-08	5.85E-08	5.30E-08	4.26E-08	3.36E-08	2.65E-08
I132	9.49E-08	8.98E-08	9.60E-08	8.33E-08	7.55E-08	5.94E-08	4.85E-08	3.74E-08
I133	1.25E-07	1.18E-07	1.25E-07	1.08E-07	9.64E-08	7.75E-08	6.10E-08	4.83E-08
I134	2.62E-08	2.29E-08	2.04E-08	1.56E-08	1.17E-08	7.49E-09	4.36E-09	3.38E-09
I135	9.08E-08	8.21E-08	8.57E-08	7.27E-08	6.43E-08	5.04E-08	3.98E-08	3.02E-08
Total	**4.05E-07**	**3.78E-07**	**3.96E-07**	**3.40E-07**	**3.02E-07**	**2.38E-07**	**1.88E-07**	**1.46E-07**
Br82	2.62E-10	2.48E-10	2.65E-10	2.30E-10	2.09E-10	1.68E-10	1.37E-10	1.03E-10
Br83	3.43E-09	3.06E-09	3.06E-09	2.48E-09	2.09E-09	1.55E-09	1.14E-09	8.81E-10
Br84	2.62E-10	2.10E-10	1.86E-10	1.26E-10	8.20E-11	4.13E-11	1.24E-11	9.89E-12
Rb86	1.05E-10	9.93E-11	1.06E-10	9.22E-11	8.36E-11	6.72E-11	5.48E-11	4.22E-11
Rb88	2.42E-08	2.29E-08	2.25E-08	1.77E-08	1.58E-08	1.18E-08	8.84E-09	6.88E-09
Rb89	1.74E-11	1.38E-11	1.16E-11	7.62E-12	4.66E-12	1.94E-12	4.98E-14	3.86E-14
Cs134	7.27E-09	6.88E-09	7.35E-09	6.38E-09	5.79E-09	4.65E-09	3.73E-09	2.90E-09
Cs134m	1.17E-09	1.05E-09	1.06E-09	8.69E-10	7.39E-10	5.42E-10	4.11E-10	3.14E-10
Cs136	2.83E-09	2.67E-09	2.86E-09	2.48E-09	2.25E-09	1.81E-09	1.49E-09	1.12E-09
Cs137	6.06E-09	5.73E-09	6.12E-09	5.32E-09	4.82E-09	3.87E-09	3.11E-09	2.41E-09
Cs138	3.43E-09	2.86E-09	2.45E-09	1.68E-09	1.11E-09	5.55E-10	1.74E-10	1.33E-10
Total	**4.91E-08**	**4.57E-08**	**4.59E-08**	**3.74E-08**	**3.29E-08**	**2.50E-08**	**1.91E-08**	**1.48E-08**

		0.5 - 1.5 Mile Concentration (uCi/ml)						
	1200-1215	1216- 1230	1231-1245	1246-1300	1301-1315	1316-1330	1331-1345	1346-1445
Kr83m	6.73E-07	5.94E-07	5.83E-07	4.67E-07	6.68E-07	4.93E-07	4.66E-07	4.39E-07
Kr85	6.40E-08	5.94E-08	5.99E-08	5.06E-08	7.66E-08	5.83E-08	5.87E-08	5.52E-08
Kr85m	1.23E-06	1.10E-06	1.06E-06	8.69E-07	1.26E-06	9.12E-07	8.73E-07	8.21E-07
Kr87	6.57E-07	5.48E-07	4.91E-07	3.63E-07	4.71E-07	2.99E-07	2.41E-07	2.26E-07
Kr88	2.46E-06	2.13E-06	2.00E-06	1.69E-06	2.36E-06	1.64E-06	1.50E-06	1.42E-06
Xe131m	8.05E-08	7.46E-08	7.52E-08	6.36E-08	9.62E-08	7.32E-08	7.37E-08	6.94E-08
Xe133	1.49E-05	1.39E-05	1.40E-05	1.18E-05	1.79E-05	1.36E-05	1.37E-05	1.29E-05
Xe133m	4.60E-07	4.26E-07	4.30E-07	3.63E-07	5.50E-07	4.18E-07	4.21E-07	3.96E-07
Xe135	5.42E-06	5.18E-06	5.22E-06	4.41E-06	6.87E-06	5.23E-06	5.42E-06	5.10E-06
Xe135m	1.56E-06	1.42E-06	1.38E-06	1.14E-06	1.69E-06	1.24E-06	1.22E-06	1.15E-06
Xe138	1.41E-09	1.10E-09	8.90E-10	5.58E-10	5.70E-10	2.24E-10	4.81E-12	4.53E-12
Total	**2.75E-05**	**2.54E-05**	**2.53E-05**	**2.12E-05**	**3.19E-05**	**2.40E-05**	**2.40E-05**	**2.25E-05**
I130	1.26E-10	1.16E-10	1.15E-10	9.60E-11	1.41E-10	1.06E-10	8.88E-11	6.65E-11
I131	5.42E-09	5.03E-09	5.07E-09	4.28E-09	6.48E-09	4.93E-09	4.06E-09	3.11E-09
I132	7.72E-09	7.16E-09	7.22E-09	6.10E-09	9.23E-09	6.87E-09	5.87E-09	4.39E-09
I133	1.02E-08	9.44E-09	9.36E-09	7.92E-09	1.18E-08	8.97E-09	7.37E-09	5.66E-09
I134	2.13E-09	1.83E-09	1.54E-09	1.14E-09	1.43E-09	8.67E-10	5.27E-10	3.96E-10
I135	7.39E-09	6.55E-09	6.45E-09	5.32E-09	7.86E-09	5.83E-09	4.81E-09	3.54E-09
Total	**3.30E-08**	**3.01E-08**	**2.97E-08**	**2.49E-08**	**3.69E-08**	**2.76E-08**	**2.27E-08**	**1.72E-08**
Br82	2.13E-11	1.98E-11	2.00E-11	1.69E-11	2.55E-11	1.94E-11	1.65E-11	1.20E-11
Br83	2.79E-10	2.44E-10	2.30E-10	1.82E-10	2.55E-10	1.79E-10	1.38E-10	1.03E-10
Br84	2.13E-11	1.68E-11	1.40E-11	9.21E-12	1.00E-11	4.78E-12	1.50E-12	1.16E-12
Rb86	8.54E-12	7.92E-12	7.98E-12	6.75E-12	1.02E-11	7.77E-12	6.62E-12	4.95E-12
Rb88	1.97E-09	1.83E-09	1.69E-09	1.30E-09	1.92E-09	1.36E-09	1.07E-09	8.07E-10
Rb89	1.41E-12	1.10E-12	8.75E-13	5.58E-13	5.70E-13	2.24E-13	6.02E-15	4.53E-15
Cs134	5.91E-10	5.48E-10	5.53E-10	4.67E-10	7.07E-10	5.38E-10	4.51E-10	3.40E-10
Cs134m	9.52E-11	8.38E-11	7.98E-11	6.36E-11	9.03E-11	6.28E-11	4.96E-11	3.68E-11
Cs136	2.30E-10	2.13E-10	2.15E-10	1.82E-10	2.75E-10	2.09E-10	1.81E-10	1.32E-10
Cs137	4.93E-10	4.57E-10	4.61E-10	3.89E-10	5.89E-10	4.48E-10	3.76E-10	2.83E-10
Cs138	2.79E-10	2.28E-10	1.84E-10	1.23E-10	1.36E-10	6.43E-11	2.11E-11	1.56E-11
Total	**3.99E-09**	**3.65E-09**	**3.45E-09**	**2.74E-09**	**4.02E-09**	**2.89E-09**	**2.31E-09**	**1.73E-09**

Containment Air @ 0700

Kr83m	3.86E-06
Kr85	4.85E-07
Kr85m	7.22E-06
Kr87	1.99E-06
Kr88	1.24E-05
Xe131m	6.10E-07
Xe133	1.13E-04
Xe133m	3.48E-06
Xe135	4.48E-05
Xe135m	1.01E-05
Xe138	3.98E-11
Total Noble Gas	**1.98E-04**

Br82	1.37E-10
Br83	1.14E-09
Br84	1.24E-11
Rb86	5.48E-11
Rb88	8.84E-09
Rb89	4.98E-14
Cs134	3.73E-09
Cs134m	4.11E-10
Cs136	1.49E-09
Cs137	3.11E-09
Cs138	1.74E-10
Total Particulate	**1.91E-08**

I130	7.34E-10
I131	3.36E-08
I132	4.85E-08
I133	6.1E-08
I134	4.36E-09
I135	3.98E-08
Total Iodine	**1.88E-07**

Personnel Hatch Airborne

NOTE: Activities given in uCi/ml

	1208-1215	1216- 1230	1231-1245	1246-1300	1301-1315	1316-1330	1331-1345	1346-1445
Kr83m	7.3E-4	6.6E-4	6.8E-4	5.6E-4	4.8E-4	3.8E-4	3.4E-4	3.3E-4
Kr85	6.9E-5	6.6E-5	7.0E-5	6.1E-5	5.5E-5	4.4E-5	4.3E-5	4.1E-5
Kr85m	1.3E-3	1.2E-3	1.2E-3	1.0E-3	9.1E-4	8.9E-4	6.4E-4	6.2E-4
Kr87	7.1E-4	6.1E-4	5.7E-4	4.4E-4	3.4E-4	2.3E-4	1.8E-4	1.7E-4
Kr88	2.7E-3	2.4E-3	2.3E-3	2.0E-3	1.7E-3	1.3E-3	1.1E-3	1.1E-3
Xe131m	8.7E-5	8.2E-5	8.8E-5	7.6E-5	6.9E-5	5.6E-5	5.4E-5	5.2E-5
Xe133	1.6E-2	1.5E-2	1.6E-2	1.4E-2	1.3E-2	1.0E-2	1.0E-2	9.7E-3
Xe133m	5.0E-4	4.7E-4	5.0E-4	4.4E-4	4.0E-4	3.2E-4	3.1E-4	3.0E-4
Xe135	5.9E-3	5.7E-3	6.1E-3	5.3E-3	5.0E-3	4.0E-3	3.9E-3	3.8E-3
Xe135m	1.7E-3	1.6E-3	1.6E-3	1.4E-3	1.2E-3	9.4E-4	8.9E-4	8.6E-4
Xe138	1.5E-6	1.2E-6	1.0E-6	6.7E-7	4.1E-7	1.7E-7	3.5E-9	3.4E-9
Total Noble Gas	**3.0E-2**	**2.8E-2**	**3.0E-2**	**2.6E-2**	**2.3E-2**	**1.8E-2**	**1.7E-2**	**1.7E-2**
I130	1.4E-7	1.3E-7	1.3E-7	1.2E-7	1.0E-7	8.1E-8	6.5E-8	5.0E-8
I131	5.9E-6	5.5E-6	5.9E-6	5.1E-6	4.7E-6	3.8E-6	3.0E-6	2.3E-6
I132	8.3E-6	7.9E-6	8.4E-6	7.3E-6	6.6E-6	5.2E-6	4.3E-6	3.3E-6
I133	1.1E-5	1.0E-5	1.1E-5	9.5E-6	8.5E-6	6.8E-6	5.4E-6	4.2E-6
I134	2.3E-6	2.0E-6	1.8E-6	1.4E-6	1.0E-6	6.6E-7	3.8E-7	3.0E-7
I135	8.0E-6	7.2E-6	7.5E-6	6.4E-6	5.7E-6	4.4E-6	3.5E-6	2.7E-6
Total Iodine	**3.6E-5**	**3.3E-5**	**3.5E-5**	**3.0E-5**	**2.7E-5**	**2.1E-5**	**1.7E-5**	**1.3E-5**
Br82	2.3E-8	2.2E-8	2.3E-8	2.0E-8	1.8E-8	1.5E-8	1.2E-8	9.0E-9
Br83	3.0E-7	2.7E-7	2.7E-7	2.2E-7	1.8E-7	1.4E-7	1.0E-7	7.8E-8
Br84	2.3E-8	1.8E-8	1.6E-8	1.1E-8	7.2E-9	3.6E-9	1.1E-9	8.7E-10
Rb86	9.2E-9	8.7E-9	9.3E-9	8.1E-9	7.4E-9	5.9E-9	4.8E-9	3.7E-9
Rb88	2.1E-6	2.0E-6	2.0E-6	1.6E-6	1.4E-6	1.0E-6	7.8E-7	6.1E-7
Rb89	1.5E-9	1.2E-9	1.0E-9	6.7E-10	4.1E-10	1.7E-10	4.4E-12	3.4E-12
Cs134	6.4E-7	6.1E-7	6.5E-7	5.6E-7	5.1E-7	4.1E-7	3.3E-7	2.5E-7
Cs134m	1.0E-7	9.2E-8	9.3E-8	7.6E-8	6.5E-8	4.8E-8	3.6E-8	2.8E-8
Cs136	2.5E-7	2.4E-7	2.5E-7	2.2E-7	2.0E-7	1.6E-7	1.3E-7	9.9E-8
Cs137	5.3E-7	5.0E-7	5.4E-7	4.7E-7	4.2E-7	3.4E-7	2.7E-7	2.1E-7
Cs138	3.0E-7	2.5E-7	2.2E-7	1.5E-7	9.8E-8	4.9E-8	1.5E-8	1.2E-8
Total Particulate	**4.3E-6**	**4.0E-6**	**4.0E-6**	**3.3E-6**	**2.9E-6**	**2.2E-6**	**1.7E-6**	**1.3E-6**

Post-Accident Sample Data

Post Accident Sample Dose Rates

	Time				
	800	1000	1200	1300	1400
RCS Liquid Syringe (10cc)					
Dose rate (mr/hr)					
Contact	2	1.2	0.8	0.7	0.6
30 cm	<0.2	<0.2	<0.2	<0.2	<0.2
1 meter	<0.2	<0.2	<0.2	<0.2	<0.2
RCS Gas Syringe (0.5cc)					
Dose rate (mr/hr)					
Contact	4	26	40	40	40
30 cm	<0.2	<0.2	<0.2	<0.2	<0.2
1 meter	<0.2	<0.2	<0.2	<0.2	<0.2
Containment Air (75 cc bomb)					
Dose rate (mr/hr)					
Contact	<0.2	2	4	3	3
30 cm	<0.2	<0.2	<0.2	<0.2	<0.2
1 meter	<0.2	<0.2	<0.2	<0.2	<0.2

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

8.3 CHEMISTRY DATA

RCS/SUMP ISOTOPICS (uCi/cc)

Time	830	845	900	915	930	945	1000	1015	1030	1045	1100
Kr83m	3.5E+0	3.4E+0	3.3E+0	3.2E+0	3.1E+0	3.0E+0	2.2E+0	1.5E+0	9.9E-1	5.8E-1	2.6E-1
Kr85	2.4E-1	2.3E-1	2.3E-1	2.2E-1	2.2E-1	2.1E-1	1.6E-1	1.1E-1	7.5E-2	4.6E-2	2.1E-2
Kr85m	7.6E+0	7.2E+0	6.8E+0	6.4E+0	6.0E+0	5.7E+0	4.0E+0	2.8E+0	1.8E+0	1.1E+0	4.7E-1
Kr87	1.5E+1	1.3E+1	1.1E+1	9.3E+0	7.9E+0	6.8E+0	4.3E+0	2.7E+0	1.6E+0	8.7E-1	3.6E-1
Kr88	2.1E+1	1.9E+1	1.8E+1	1.6E+1	1.5E+1	1.4E+1	9.5E+0	6.4E+0	4.1E+0	2.3E+0	1.0E+0
Xe131m	3.0E-1	2.9E-1	2.8E-1	2.8E-1	2.7E-1	2.6E-1	2.0E-1	1.4E-1	9.5E-2	5.7E-2	2.7E-2
Xe133	5.6E+1	5.4E+1	5.3E+1	5.2E+1	5.1E+1	5.0E+1	3.7E+1	2.6E+1	1.8E+1	1.1E+1	5.0E+0
Xe133m	1.7E+0	1.7E+0	1.6E+0	1.6E+0	1.6E+0	1.5E+0	1.1E+0	8.1E-1	5.4E-1	3.3E-1	1.5E-1
Xe135	1.3E+1	1.4E+1	1.4E+1	1.4E+1	1.4E+1	1.5E+1	1.1E+1	8.2E+0	5.7E+0	3.5E+0	1.7E+0
Xe135m	1.1E+1	9.4E+0	8.1E+0	7.5E+0	7.0E+0	6.6E+0	4.7E+0	3.3E+0	2.1E+0	1.3E+0	5.8E-1
Xe138	4.7E+1	2.8E+1	1.0E+1	6.2E+0	2.3E+0	1.4E+0	3.8E-1	1.7E-1	4.2E-2	1.9E-2	6.2E-3
Total	**1.8E+2**	**1.5E+2**	**1.3E+2**	**1.2E+2**	**1.1E+2**	**1.0E+2**	**7.4E+1**	**5.2E+1**	**3.5E+1**	**2.1E+1**	**9.6E+0**
I130	1.5E-1	1.5E-1	1.4E-1	1.4E-1	1.3E-1	1.3E-1	9.2E-2	6.5E-2	4.3E-2	2.6E-2	1.2E-2
I131	5.3E+0	5.2E+0	5.1E+0	5.0E+0	4.9E+0	4.8E+0	3.5E+0	2.5E+0	1.7E+0	1.0E+0	4.8E-1
I132	7.8E+0	7.6E+0	7.4E+0	7.2E+0	7.0E+0	6.9E+0	5.1E+0	3.6E+0	2.4E+0	1.5E+0	6.9E-1
I133	1.1E+1	1.1E+1	1.0E+1	1.0E+1	9.9E+0	9.6E+0	7.1E+0	5.0E+0	3.4E+0	2.0E+0	9.4E-1
I134	1.2E+1	1.1E+1	1.0E+1	9.0E+0	7.9E+0	6.8E+0	4.4E+0	2.8E+0	1.6E+0	8.6E-1	3.5E-1
I135	1.0E+1	9.9E+0	9.4E+0	8.9E+0	8.5E+0	8.1E+0	5.8E+0	4.1E+0	2.7E+0	1.6E+0	7.2E-1
Total	**4.7E+1**	**4.5E+1**	**4.3E+1**	**4.0E+1**	**3.8E+1**	**3.6E+1**	**2.6E+1**	**1.8E+1**	**1.2E+1**	**7.0E+0**	**3.2E+0**
Br82	2.3E-2	2.2E-2	2.1E-2	2.1E-2	2.0E-2	2.0E-2	1.4E-2	1.0E-2	6.9E-3	4.2E-3	1.9E-3
Br83	7.1E-1	6.6E-1	6.1E-1	5.6E-1	5.1E-1	4.7E-1	3.2E-1	2.1E-1	1.3E-1	7.7E-2	3.3E-2
Br84	1.2E+0	9.6E-1	6.8E-1	5.1E-1	3.4E-1	2.5E-1	1.3E-1	7.0E-2	3.2E-2	1.6E-2	5.8E-3
Rb86	8.6E-3	8.3E-3	8.1E-3	7.9E-3	7.7E-3	7.6E-3	5.6E-3	4.0E-3	2.7E-3	1.6E-3	7.6E-4
Rb88	4.2E+0	4.0E+0	3.8E+0	3.5E+0	3.3E+0	3.0E+0	2.1E+0	1.4E+0	9.1E-1	5.2E-1	2.3E-1
Rb89	5.5E+0	3.5E+0	1.7E+0	8.1E-1	4.0E-7	5.0E-2	7.4E-2	3.3E-2	9.1E-3	4.2E-3	1.4E-3
Cs134	5.9E-1	5.7E-1	5.6E-1	5.5E-1	5.4E-1	5.2E-1	3.9E-1	2.8E-1	1.9E-1	1.1E-1	5.3E-2
Cs134m	2.1E-1	2.0E-1	1.8E-1	1.7E-1	1.5E-1	1.4E-1	9.7E-2	6.6E-2	4.2E-2	2.4E-2	1.1E-2
Cs136	2.3E-1	2.2E-1	2.2E-1	2.1E-1	2.1E-1	2.0E-1	1.5E-1	1.1E-1	7.2E-2	4.4E-2	2.0E-2
Cs137	4.8E-1	4.7E-1	4.6E-1	4.5E-1	4.4E-1	4.3E-1	3.2E-1	2.3E-1	1.5E-1	9.3E-2	4.3E-2
Cs138	1.0E+1	8.7E+0	7.2E+0	5.6E+0	4.1E+0	3.1E+0	1.6E+0	8.9E-1	4.2E-1	2.1E-1	7.6E-2
Total	**2.3E+1**	**1.9E+1**	**1.5E+1**	**1.2E+1**	**9.6E+0**	**8.2E+0**	**5.2E+0**	**3.3E+0**	**2.0E+0**	**1.1E+0**	**4.8E-1**

RCS/SUMP ISOTOPICS (uCi/cc)

Time	1115	1130	1145	1200	1215	1230	1245	1300	1315	1330	1345
Kr83m	1.4E-2	5.0E-2	2.4E-2	1.8E-2	1.7E-2	1.7E-2	1.6E-2	1.5E-2	1.4E-2	1.4E-2	1.4E-2
Kr85	1.2E-3	4.4E-3	2.2E-3	1.7E-3	1.7E-3	1.7E-3	1.7E-3	1.7E-3	1.7E-3	1.7E-3	1.7E-3
Kr85m	2.6E-2	9.1E-2	4.4E-2	3.3E-2	3.2E-2	3.0E-2	2.9E-2	2.8E-2	2.7E-2	2.6E-2	2.6E-2
Kr87	1.7E-2	5.4E-2	2.5E-2	1.8E-2	1.6E-2	1.4E-2	1.2E-2	1.1E-2	8.8E-3	7.1E-3	7.1E-3
Kr88	5.4E-2	1.9E-1	9.0E-2	6.5E-2	6.2E-2	5.8E-2	5.5E-2	5.1E-2	4.8E-2	4.4E-2	4.4E-2
Xe131m	1.5E-3	5.6E-3	2.8E-3	2.1E-3	2.1E-3	2.1E-3	2.1E-3	2.1E-3	2.1E-3	2.1E-3	2.1E-3
Xe133	2.8E-1	1.0E+0	5.2E-1	4.0E-1	4.0E-1	4.0E-1	4.0E-1	4.0E-1	4.0E-1	4.0E-1	4.0E-1
Xe133m	8.6E-3	3.2E-2	1.6E-2	1.2E-2	1.2E-2	1.2E-2	1.2E-2	1.2E-2	1.2E-2	1.2E-2	1.2E-2
Xe135	9.7E-2	3.7E-1	1.9E-1	1.5E-1	1.5E-1	1.5E-1	1.5E-1	1.5E-1	1.5E-1	1.6E-1	1.6E-1
Xe135m	3.1E-2	1.1E-1	5.6E-2	4.2E-2	4.1E-2	4.0E-2	3.9E-2	3.8E-2	3.7E-2	3.6E-2	3.6E-2
Xe138	1.9E-4	1.3E-4	5.8E-5	3.8E-5	3.2E-5	2.5E-5	1.9E-5	1.3E-5	6.4E-6	1.4E-7	1.4E-7
Total	**5.3E-1**	**1.9E+0**	**9.7E-1**	**7.4E-1**	**7.3E-1**	**7.2E-1**	**7.2E-1**	**7.1E-1**	**7.0E-1**	**7.0E-1**	**7.0E-1**
I130	6.5E-4	2.4E-3	1.2E-3	9.0E-4	8.8E-4	8.7E-4	8.6E-4	8.5E-4	8.4E-4	8.2E-4	8.2E-4
I131	2.7E-2	9.9E-2	5.0E-2	3.8E-2	3.8E-2	3.8E-2	3.8E-2	3.8E-2	3.8E-2	3.8E-2	3.8E-2
I132	3.8E-2	1.4E-1	7.1E-2	5.5E-2	5.5E-2	5.5E-2	5.4E-2	5.4E-2	5.4E-2	5.4E-2	5.4E-2
I133	5.2E-2	1.9E-1	9.6E-2	7.3E-2	7.2E-2	7.2E-2	7.1E-2	7.1E-2	7.0E-2	6.9E-2	6.9E-2
I134	1.6E-2	5.0E-2	2.3E-2	1.6E-2	1.4E-2	1.2E-2	1.0E-2	8.5E-3	6.7E-3	5.0E-3	5.0E-3
I135	3.9E-2	1.4E-1	7.0E-2	5.2E-2	5.1E-2	5.0E-2	4.8E-2	4.7E-2	4.6E-2	4.4E-2	4.4E-2
Total	**1.7E-1**	**6.3E-1**	**3.1E-1**	**2.3E-1**	**2.3E-1**	**2.3E-1**	**2.2E-1**	**2.2E-1**	**2.2E-1**	**2.1E-1**	**2.1E-1**
Br82	1.1E-4	4.0E-4	2.0E-4	1.5E-4	1.5E-4	1.5E-4	1.5E-4	1.5E-4	1.5E-4	1.5E-4	1.5E-4
Br83	1.7E-3	6.0E-3	2.8E-3	2.0E-3	1.9E-3	1.8E-3	1.7E-3	1.5E-3	1.4E-3	1.3E-3	1.3E-3
Br84	2.3E-4	5.1E-4	2.3E-4	1.5E-4	1.3E-4	1.1E-4	8.3E-5	6.0E-5	3.7E-5	1.4E-5	1.4E-5
Rb86	4.3E-5	1.6E-4	8.0E-5	6.1E-5	6.1E-5	6.1E-5	6.1E-5	6.1E-5	6.1E-5	6.1E-5	6.1E-5
Rb88	1.2E-2	4.2E-2	2.0E-2	1.5E-2	1.4E-2	1.3E-2	1.2E-2	1.1E-2	1.1E-2	9.9E-3	9.9E-3
Rb89	4.3E-5	3.5E-5	1.5E-5	1.0E-5	8.4E-6	6.7E-6	5.0E-6	3.4E-6	1.7E-6	5.6E-8	5.6E-8
Cs134	3.0E-3	1.1E-2	5.5E-3	4.2E-3	4.2E-3	4.2E-3	4.2E-3	4.2E-3	4.2E-3	4.2E-3	4.2E-3
Cs134m	5.5E-4	1.9E-3	9.3E-4	6.7E-4	6.4E-4	6.0E-4	5.7E-4	5.3E-4	5.0E-4	4.6E-4	4.6E-4
Cs136	1.1E-3	4.2E-3	2.1E-3	1.6E-3	1.6E-3	1.6E-3	1.6E-3	1.6E-3	1.6E-3	1.6E-3	1.6E-3
Cs137	2.4E-3	9.0E-3	4.5E-3	3.5E-3	3.5E-3	3.5E-3	3.5E-3	3.5E-3	3.5E-3	3.5E-3	3.5E-3
Cs138	3.0E-3	6.8E-3	3.0E-3	2.0E-3	1.7E-3	1.4E-3	1.1E-3	8.1E-4	5.0E-4	2.0E-4	2.0E-4
Total	**2.4E-2**	**8.2E-2**	**4.0E-2**	**2.9E-2**	**2.8E-2**	**2.7E-2**	**2.5E-2**	**2.4E-2**	**2.3E-2**	**2.1E-2**	**2.1E-2**

CONTAINMENT AIR ISOTOPICS (uCi/cc)

Time	830	845	900	915	930	945	1000	1015	1030	1045	1100
Kr83m	2.3E-4	4.4E-4	6.4E-4	8.1E-4	9.8E-4	1.1E-3	3.6E-3	5.8E-3	7.8E-3	9.5E-3	1.1E-2
Kr85	1.5E-5	3.0E-5	4.3E-5	5.6E-5	6.9E-5	8.1E-5	2.6E-4	4.3E-4	6.0E-4	7.5E-4	8.9E-4
Kr85m	4.9E-4	9.3E-4	1.3E-3	1.6E-3	1.9E-3	2.2E-3	6.8E-3	1.1E-2	1.4E-2	1.7E-2	2.0E-2
Kr87	9.6E-4	1.6E-3	2.1E-3	2.4E-3	2.5E-3	2.6E-3	7.3E-3	1.1E-2	1.3E-2	1.4E-2	1.5E-2
Kr88	1.3E-3	2.5E-3	3.4E-3	4.1E-3	4.7E-3	5.3E-3	1.6E-2	2.5E-2	3.2E-2	3.8E-2	4.3E-2
Xe131m	1.9E-5	3.7E-5	5.4E-5	7.0E-5	8.6E-5	1.0E-4	3.3E-4	5.4E-4	7.5E-4	9.4E-4	1.1E-3
Xe133	3.6E-3	7.0E-3	1.0E-2	1.3E-2	1.6E-2	1.9E-2	6.1E-2	1.0E-1	1.4E-1	1.8E-1	2.1E-1
Xe133m	1.1E-4	2.2E-4	3.1E-4	4.0E-4	5.0E-4	5.9E-4	1.9E-3	3.1E-3	4.3E-3	5.4E-3	6.4E-3
Xe135	8.5E-4	1.7E-3	2.7E-3	3.6E-3	4.6E-3	5.6E-3	1.9E-2	3.2E-2	4.5E-2	5.8E-2	7.1E-2
Xe135m	6.9E-4	1.2E-3	1.5E-3	1.9E-3	2.2E-3	2.5E-3	7.9E-3	1.3E-2	1.7E-2	2.1E-2	2.4E-2
Xe138	3.0E-3	3.6E-3	2.0E-3	1.6E-3	7.2E-4	5.2E-4	6.3E-4	6.4E-4	3.3E-4	3.2E-4	2.6E-4
Total	**1.1E-2**	**1.9E-2**	**2.4E-2**	**3.0E-2**	**3.4E-2**	**4.0E-2**	**1.2E-1**	**2.0E-1**	**2.7E-1**	**3.4E-1**	**4.0E-1**
I130	9.7E-8	1.9E-7	2.7E-7	3.4E-7	4.1E-7	4.8E-7	1.5E-6	2.5E-6	3.4E-6	4.2E-6	4.9E-6
I131	3.5E-6	6.7E-6	9.8E-6	1.3E-5	1.5E-5	1.8E-5	5.9E-5	9.7E-5	1.3E-4	1.7E-4	2.0E-4
I132	5.0E-6	9.7E-6	1.4E-5	1.8E-5	2.2E-5	2.6E-5	8.5E-5	1.4E-4	1.9E-4	2.4E-4	2.9E-4
I133	7.2E-6	1.4E-5	2.0E-5	2.6E-5	3.1E-5	3.7E-5	1.2E-4	1.9E-4	2.7E-4	3.3E-4	3.9E-4
I134	7.9E-6	1.4E-5	2.0E-5	2.3E-5	2.5E-5	2.6E-5	7.4E-5	1.1E-4	1.3E-4	1.4E-4	1.5E-4
I135	6.7E-6	1.3E-5	1.8E-5	2.3E-5	2.7E-5	3.1E-5	9.8E-5	1.6E-4	2.1E-4	2.6E-4	3.0E-4
Total	**3.0E-5**	**5.8E-5**	**8.2E-5**	**1.0E-4**	**1.2E-4**	**1.4E-4**	**4.4E-4**	**7.0E-4**	**9.3E-4**	**1.1E-3**	**1.3E-3**
Br82	1.5E-8	2.8E-8	4.1E-8	5.3E-8	6.4E-8	7.6E-8	2.4E-7	4.0E-7	5.5E-7	6.9E-7	8.1E-7
Br83	4.6E-7	8.4E-7	1.2E-6	1.4E-6	1.6E-6	1.8E-6	5.4E-6	8.3E-6	1.1E-5	1.3E-5	1.4E-5
Br84	8.0E-7	1.2E-6	1.3E-6	1.3E-6	1.1E-6	9.7E-7	2.1E-6	2.7E-6	2.5E-6	2.6E-6	2.4E-6
Rb86	5.5E-9	1.1E-8	1.5E-8	2.0E-8	2.5E-8	2.9E-8	9.4E-8	1.5E-7	2.1E-7	2.7E-7	3.2E-7
Rb88	2.7E-6	5.2E-6	7.3E-6	9.0E-6	1.0E-5	1.2E-5	3.5E-5	5.5E-5	7.2E-5	8.5E-5	9.6E-5
Rb89	3.5E-6	4.5E-6	3.2E-6	2.0E-6	1.3E-12	1.9E-7	1.2E-6	1.3E-6	7.2E-7	6.9E-7	5.7E-7
Cs134	3.8E-7	7.4E-7	1.1E-6	1.4E-6	1.7E-6	2.0E-6	6.5E-6	1.1E-5	1.5E-5	1.9E-5	2.2E-5
Cs134m	1.4E-7	2.5E-7	3.4E-7	4.2E-7	4.8E-7	5.4E-7	1.6E-6	2.5E-6	3.3E-6	3.9E-6	4.4E-6
Cs136	1.5E-7	2.9E-7	4.2E-7	5.4E-7	6.6E-7	7.8E-7	2.5E-6	4.1E-6	5.7E-6	7.2E-6	8.5E-6
Cs137	3.1E-7	6.0E-7	8.8E-7	1.1E-6	1.4E-6	1.6E-6	5.3E-6	8.8E-6	1.2E-5	1.5E-5	1.8E-5
Cs138	6.6E-6	1.1E-5	1.4E-5	1.4E-5	1.3E-5	1.2E-5	2.7E-5	3.4E-5	3.3E-5	3.4E-5	3.2E-5
Total	**1.5E-5**	**2.5E-5**	**3.0E-5**	**3.1E-5**	**3.0E-5**	**3.2E-5**	**8.8E-5**	**1.3E-4**	**1.6E-4**	**1.8E-4**	**2.0E-4**

CONTAINMENT AIR ISOTOPICS (uCi/cc)

Time	1115	1130	1145	1200	1215	1230	1245	1300	1315	1330	1345
Kr83m	1.2E-2	4.4E-2	4.3E-2	4.1E-2	3.9E-2	3.8E-2	3.6E-2	3.4E-2	3.3E-2	3.1E-2	3.1E-2
Kr85	1.0E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3	3.9E-3
Kr85m	2.2E-2	8.0E-2	7.7E-2	7.5E-2	7.2E-2	6.9E-2	6.7E-2	6.4E-2	6.1E-2	5.8E-2	5.8E-2
Kr87	1.5E-2	4.8E-2	4.4E-2	4.0E-2	3.6E-2	3.2E-2	2.8E-2	2.4E-2	2.0E-2	1.6E-2	1.6E-2
Kr88	4.7E-2	1.7E-1	1.6E-1	1.5E-1	1.4E-1	1.3E-1	1.3E-1	1.2E-1	1.1E-1	1.0E-1	1.0E-1
Xe131m	1.3E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3	4.9E-3
Xe133	2.4E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1	9.1E-1
Xe133m	7.4E-3	2.8E-2	2.8E-2	2.8E-2	2.8E-2	2.8E-2	2.8E-2	2.8E-2	2.8E-2	2.8E-2	2.8E-2
Xe135	8.3E-2	3.2E-1	3.3E-1	3.3E-1	3.4E-1	3.4E-1	3.4E-1	3.5E-1	3.5E-1	3.6E-1	3.6E-1
Xe135m	2.7E-2	1.0E-1	9.7E-2	9.5E-2	9.3E-2	9.0E-2	8.8E-2	8.6E-2	8.3E-2	8.1E-2	8.1E-2
Xe138	1.7E-4	1.1E-4	1.0E-4	8.6E-5	7.2E-5	5.8E-5	4.3E-5	2.9E-5	1.5E-5	3.2E-7	3.2E-7
Total	**4.6E-1**	**1.7E+0**	**1.7E+0**	**1.7E+0**	**1.7E+0**	**1.6E+0**	**1.6E+0**	**1.6E+0**	**1.6E+0**	**1.6E+0**	**1.6E+0**
I130	5.6E-6	2.1E-5	1.0E-5	7.7E-6	7.6E-6	7.5E-6	7.4E-6	7.2E-6	7.1E-6	5.9E-6	4.7E-6
I131	2.3E-4	8.7E-4	4.4E-4	3.3E-4	3.3E-4	3.3E-4	3.3E-4	3.3E-4	3.3E-4	2.7E-4	2.2E-4
I132	3.3E-4	1.2E-3	6.2E-4	4.7E-4	4.7E-4	4.7E-4	4.7E-4	4.7E-4	4.6E-4	3.9E-4	3.1E-4
I133	4.5E-4	1.7E-3	8.4E-4	6.2E-4	6.2E-4	6.1E-4	6.1E-4	6.0E-4	6.0E-4	4.9E-4	4.0E-4
I134	1.4E-4	4.4E-4	2.0E-4	1.3E-4	1.2E-4	1.0E-4	8.8E-5	7.3E-5	5.8E-5	3.5E-5	2.8E-5
I135	3.4E-4	1.2E-3	6.1E-4	4.5E-4	4.3E-4	4.2E-4	4.1E-4	4.0E-4	3.9E-4	3.2E-4	2.5E-4
Total	**1.5E-3**	**5.5E-3**	**2.7E-3**	**2.0E-3**	**2.0E-3**	**1.9E-3**	**1.9E-3**	**1.9E-3**	**1.8E-3**	**1.5E-3**	**1.2E-3**
Br82	9.3E-7	3.5E-6	1.8E-6	1.3E-6	1.3E-6	1.3E-6	1.3E-6	1.3E-6	1.3E-6	1.1E-6	8.5E-7
Br83	1.5E-5	5.2E-5	2.5E-5	1.7E-5	1.6E-5	1.5E-5	1.4E-5	1.3E-5	1.2E-5	9.2E-6	7.3E-6
Br84	2.0E-6	4.5E-6	2.0E-6	1.3E-6	1.1E-6	9.1E-7	7.1E-7	5.1E-7	3.2E-7	1.0E-7	8.2E-8
Rb86	3.7E-7	1.4E-6	7.0E-7	5.2E-7	5.2E-7	5.2E-7	5.2E-7	5.2E-7	5.2E-7	4.4E-7	3.5E-7
Rb88	1.0E-4	3.7E-4	1.8E-4	1.2E-4	1.2E-4	1.1E-4	1.0E-4	9.8E-5	9.1E-5	7.1E-5	5.7E-5
Rb89	3.7E-7	3.0E-7	1.3E-7	8.6E-8	7.2E-8	5.7E-8	4.3E-8	2.9E-8	1.5E-8	4.0E-10	3.2E-10
Cs134	2.5E-5	9.7E-5	4.8E-5	3.6E-5	3.6E-5	3.6E-5	3.6E-5	3.6E-5	3.6E-5	3.0E-5	2.4E-5
Cs134m	4.8E-6	1.7E-5	8.1E-6	5.8E-6	5.5E-6	5.2E-6	4.9E-6	4.6E-6	4.2E-6	3.3E-6	2.6E-6
Cs136	9.8E-6	3.7E-5	1.9E-5	1.4E-5	1.4E-5	1.4E-5	1.4E-5	1.4E-5	1.4E-5	1.2E-5	9.3E-6
Cs137	2.1E-5	7.9E-5	4.0E-5	3.0E-5	3.0E-5	3.0E-5	3.0E-5	3.0E-5	3.0E-5	2.5E-5	2.0E-5
Cs138	2.6E-5	6.0E-5	2.7E-5	1.7E-5	1.5E-5	1.2E-5	9.5E-6	6.9E-6	4.3E-6	1.4E-6	1.1E-6
Total	**2.1E-4**	**7.2E-4**	**3.5E-4**	**2.5E-4**	**2.4E-4**	**2.3E-4**	**2.2E-4**	**2.0E-4**	**1.9E-4**	**1.5E-4**	**1.2E-4**

RELEASE POINT ISOTOPICS (uCi/cc)

Time	1205	1215	1230	1245	1300	1315	1330	1345	1400	1415	1430
Kr83m	8.6E-3	8.2E-3	7.9E-3	7.5E-3	6.9E-3	6.2E-3	5.4E-3	5.4E-3	5.4E-3	4.7E-3	4.7E-3
Kr85	8.1E-4	8.1E-4	8.1E-4	8.1E-4	7.9E-4	7.4E-4	6.8E-4	6.8E-4	6.8E-4	6.0E-4	6.0E-4
Kr85m	1.6E-2	1.5E-2	1.4E-2	1.4E-2	1.3E-2	1.2E-2	1.0E-2	1.0E-2	1.0E-2	9.0E-3	9.0E-3
Kr87	8.3E-3	7.5E-3	6.7E-3	5.9E-3	4.9E-3	3.8E-3	2.8E-3	2.8E-3	2.8E-3	2.5E-3	2.5E-3
Kr88	3.1E-2	2.9E-2	2.8E-2	2.6E-2	2.4E-2	2.1E-2	1.8E-2	1.8E-2	1.8E-2	1.5E-2	1.5E-2
Xe131m	1.0E-3	1.0E-3	1.0E-3	1.0E-3	9.9E-4	9.3E-4	8.5E-4	8.5E-4	8.5E-4	7.5E-4	7.5E-4
Xe133	1.9E-1	1.9E-1	1.9E-1	1.9E-1	1.8E-1	1.7E-1	1.6E-1	1.6E-1	1.6E-1	1.4E-1	1.4E-1
Xe133m	5.9E-3	5.9E-3	5.9E-3	5.9E-3	5.7E-3	5.3E-3	4.9E-3	4.9E-3	4.9E-3	4.3E-3	4.3E-3
Xe135	6.9E-2	7.0E-2	7.1E-2	7.2E-2	7.0E-2	6.7E-2	6.2E-2	6.2E-2	6.2E-2	5.5E-2	5.5E-2
Xe135m	2.0E-2	1.9E-2	1.9E-2	1.8E-2	1.7E-2	1.6E-2	1.4E-2	1.4E-2	1.4E-2	1.2E-2	1.2E-2
Xe138	1.8E-5	1.5E-5	1.2E-5	9.0E-6	5.8E-6	2.8E-6	5.6E-8	5.6E-8	5.6E-8	5.0E-8	5.0E-8
Total	**3.5E-1**	**3.5E-1**	**3.4E-1**	**3.4E-1**	**3.3E-1**	**3.1E-1**	**2.8E-1**	**2.8E-1**	**2.8E-1**	**2.4E-1**	**2.4E-1**
I130	1.6E-6	1.6E-6	1.6E-6	1.5E-6	1.5E-6	1.4E-6	1.0E-6	8.2E-7	6.1E-7	3.6E-7	1.8E-7
I131	6.8E-5	6.8E-5	6.8E-5	6.8E-5	6.6E-5	6.2E-5	4.7E-5	3.8E-5	2.8E-5	1.7E-5	8.3E-6
I132	9.7E-5	9.7E-5	9.7E-5	9.7E-5	9.4E-5	8.9E-5	6.7E-5	5.4E-5	4.0E-5	2.4E-5	1.2E-5
I133	1.3E-4	1.3E-4	1.3E-4	1.3E-4	1.2E-4	1.1E-4	8.6E-5	6.9E-5	5.2E-5	3.0E-5	1.5E-5
I134	2.8E-5	2.5E-5	2.2E-5	1.8E-5	1.5E-5	1.1E-5	6.1E-6	4.9E-6	3.7E-6	2.2E-6	1.1E-6
I135	9.3E-5	9.1E-5	8.8E-5	8.6E-5	8.1E-5	7.4E-5	5.5E-5	4.4E-5	3.3E-5	1.9E-5	9.7E-6
Total	**4.2E-4**	**4.1E-4**	**4.1E-4**	**4.0E-4**	**3.8E-4**	**3.5E-4**	**2.6E-4**	**2.1E-4**	**1.6E-4**	**9.2E-5**	**4.6E-5**
Br82	2.7E-7	2.7E-7	2.7E-7	2.7E-7	2.6E-7	2.4E-7	1.8E-7	1.5E-7	1.1E-7	6.5E-8	3.2E-8
Br83	3.6E-6	3.4E-6	3.2E-6	3.0E-6	2.7E-6	2.3E-6	1.6E-6	1.3E-6	9.6E-7	5.6E-7	2.8E-7
Br84	2.7E-7	2.3E-7	1.9E-7	1.5E-7	1.0E-7	6.1E-8	1.8E-8	1.4E-8	1.1E-8	6.3E-9	3.1E-9
Rb86	1.1E-7	1.1E-7	1.1E-7	1.1E-7	1.1E-7	1.0E-7	7.6E-8	6.1E-8	4.5E-8	2.7E-8	1.3E-8
Rb88	2.6E-5	2.5E-5	2.3E-5	2.2E-5	2.0E-5	1.7E-5	1.2E-5	9.8E-6	7.4E-6	4.3E-6	2.2E-6
Rb89	1.8E-8	1.5E-8	1.2E-8	9.0E-9	5.8E-9	2.8E-9	6.9E-11	5.6E-11	4.2E-11	2.4E-11	1.2E-11
Cs134	7.6E-6	7.6E-6	7.6E-6	7.6E-6	7.3E-6	6.9E-6	5.3E-6	4.2E-6	3.2E-6	1.9E-6	9.3E-7
Cs134m	1.2E-6	1.1E-6	1.1E-6	1.0E-6	9.2E-7	8.1E-7	5.7E-7	4.6E-7	3.4E-7	2.0E-7	1.0E-7
Cs136	2.9E-6	2.9E-6	2.9E-6	2.9E-6	2.8E-6	2.7E-6	2.0E-6	1.6E-6	1.2E-6	7.1E-7	3.5E-7
Cs137	6.2E-6	6.2E-6	6.2E-6	6.2E-6	6.0E-6	5.7E-6	4.3E-6	3.4E-6	2.6E-6	1.5E-6	7.6E-7
Cs138	3.6E-6	3.1E-6	2.5E-6	2.0E-6	1.4E-6	8.2E-7	2.5E-7	2.0E-7	1.5E-7	8.7E-8	4.4E-8
Total	**5.2E-5**	**5.0E-5**	**4.7E-5**	**4.5E-5**	**4.1E-5**	**3.7E-5**	**2.7E-5**	**2.1E-5**	**1.6E-5**	**9.3E-6**	**4.7E-6**

RELEASE POINT RELEASE RATES (uCi/sec)

NG	3.0E+6	3.0E+6	2.9E+6	2.9E+6	2.8E+6	2.6E+6	2.4E+6	2.4E+6	2.4E+6	2.1E+6	2.1E+6
I	3.6E+3	3.5E+3	3.5E+3	3.4E+3	3.2E+3	3.0E+3	2.2E+3	1.8E+3	1.3E+3	7.9E+2	4.0E+2
PART	4.4E+2	4.2E+2	4.0E+2	3.8E+2	3.5E+2	3.2E+2	2.3E+2	1.8E+2	1.4E+2	8.0E+1	4.0E+1
Total	**3.0E+6**	**3.0E+6**	**2.9E+6**	**2.9E+6**	**2.8E+6**	**2.6E+6**	**2.4E+6**	**2.4E+6**	**2.4E+6**	**2.1E+6**	**2.1E+6**

Release Component Percents (for RASCAL)

NG	99.87%	99.87%	99.87%	99.87%	99.87%	99.87%	99.90%	99.92%	99.94%	99.96%	99.98%
I	0.12%	0.12%	0.12%	0.12%	0.12%	0.11%	0.09%	0.08%	0.06%	0.04%	0.02%
Cs	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Containment Release Fraction Rate (for RASCAL)

%/hr	7%	7%	7%	7%	7%	6%	6%	6%	6%	5%	5%
%/day	165%	165%	165%	165%	159%	150%	137%	137%	137%	121%	121%

ISOTOPIC ANALYSIS RESULTS

SAMPLE LOCATION/TYPE: _____

SAMPLE TAKEN AT: _____ **AM/PM**

Kr83m	
Kr85	
Kr85m	
Kr87	
Kr88	
Xe131m	
Xe133	
Xe133m	
Xe135	
Xe135m	
Xe138	
Total	
I130	
I131	
I132	
I133	
I134	
I135	
Total	
Br82	
Br83	
Br84	
Rb86	
Rb88	
Rb89	
Cs134	
Cs134m	
Cs136	
Cs137	
Cs138	
Total	

ISOTOPIC ANALYSIS RESULTS

SAMPLE LOCATION/TYPE: _____

SAMPLE TAKEN AT: _____ **AM/PM**

Kr83m	
Kr85	
Kr85m	
Kr87	
Kr88	
Xe131m	
Xe133	
Xe133m	
Xe135	
Xe135m	
Xe138	
Total	
I130	
I131	
I132	
I133	
I134	
I135	
Total	
Br82	
Br83	
Br84	
Rb86	
Rb88	
Rb89	
Cs134	
Cs134m	
Cs136	
Cs137	
Cs138	
Total	

RCS	9/17 0200	9/18 0800	830	900	930	1000	1030	1100	1130	1200	1230	1300	1330	1400	1430
BORON ppm	963	960	960	960	960	960	1932	2226	2368	2452	2452	2452	2452	2452	2452
CHLORIDE ppb	15.7	15.7	15.7	15.7	15.7	15.7	13.2	11.1	8.9	7.1	125	642	1250	4520	6740
FLUORIDE ppb	3.05	3.05	3.05	3.05	3.05	3.05	2.85	2.12	1.54	1.09	6.21	12.5	25.6	52.3	95.1
OXYGEN ppb	<1	<1	<1	<1	<1	<1	4290	5580	6210	6570	6570	6570	6570	6570	6570
HYDROGEN cc/Kg	30.2	30.2	26.7	15.6	10.8	7.4	<5	<5	<5	<5	<5	<5	<5	<5	<5
ACTIVITY uCi/g	1.52E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01
Dose Eq I-131 uCi/g	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.54E-04

CONDENSATE															
Cation Conductivity uS/cm	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183
Sodium ppb	< 0.190	< 0.190	< 0.190	< 0.190	< 0.190	< 0.190	< 0.190	< 0.190	< 0.190	< 0.190	< 0.190	< 0.190	< 0.190	< 0.190	< 0.190
Chloride ppb	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

STEAM GENERATOR BLOWDOWN															
Cation Conductivity uS/cm	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
Sodium ppb	<.190	<.190	<.190	<.190	<.190	<.190	<.190	<.190	<.190	<.190	<.190	<.190	<.190	<.190	<.190
Chloride ppb	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

8.4 LOGGER TRENDS/MET DATA

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	7.0	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	8.7	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	76	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	79	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	0.4	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	0.4	F	GOOD
C0789	WET BULB (15-MIN AVE)	61.8	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	65.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	58.6	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.14	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	1.710E+0	R/HR	GOOD
1AM107	CA CONTM POST LOCA TRN B	9.240E-1	R/HR	GOOD
1AM104	CA LO RANGE PERSONNEL HATCH	3.210E+0	MR/HR	GOOD
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.762E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	7.1	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	8.9	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	81	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	86	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	0.3	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	0.4	F	GOOD
C0789	WET BULB (15-MIN AVE)	61.7	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	65.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	58.3	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.16	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	1.710E+0	R/HR	GOOD
1AM107	CA CONTM POST LOCA TRN B	9.600E-1	R/HR	GOOD
1AM104	CA LO RANGE PERSONNEL HATCH	3.210E+0	MR/HR	GOOD
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.762E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	6.1	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	7.9	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	84	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	85	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	0.2	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	0.4	F	GOOD
C0789	WET BULB (15-MIN AVE)	62.6	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	66.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	59.3	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.17	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	1.710E+0	R/HR	GOOD
1AM107	CA CONTM POST LOCA TRN B	1.010E+0	R/HR	GOOD
1AM104	CA LO RANGE PERSONNEL HATCH	3.210E+0	MR/HR	GOOD
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.762E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	8.0	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	8.5	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	84	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	84	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	0.1	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	0.1	F	GOOD
C0789	WET BULB (15-MIN AVE)	62.6	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	66.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	59.1	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.18	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	1.710E+0	R/HR	GOOD
1AM107	CA CONTM POST LOCA TRN B	1.610E+0	R/HR	GOOD
1AM104	CA LO RANGE PERSONNEL HATCH	3.210E+0	MR/HR	GOOD
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.762E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	7.8	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	7.9	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	79	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	79	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	0.1	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	0.3	F	GOOD
C0789	WET BULB (15-MIN AVE)	63.3	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	66.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	60.7	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.20	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	1.710E+0	R/HR	GOOD
1AM107	CA CONTM POST LOCA TRN B	1.710E+0	R/HR	GOOD
1AM104	CA LO RANGE PERSONNEL HATCH	3.210E+0	MR/HR	GOOD
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.530E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.762E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	6.8	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	7.3	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	79	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	82	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	0.0	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	0.1	F	GOOD
C0789	WET BULB (15-MIN AVE)	63.8	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	67.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	60.5	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.21	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	2.010E+0	R/HR	GOOD
1AM107	CA CONTM POST LOCA TRN B	2.020E+0	R/HR	GOOD
1AM104	CA LO RANGE PERSONNEL HATCH	3.210E+0	MR/HR	GOOD
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.762E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	6.6	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	9.5	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	75	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	77	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	0.0	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	0.0	F	GOOD
C0789	WET BULB (15-MIN AVE)	63.8	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	67.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	60.5	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.22	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	2.100E+0	R/HR	GOOD
1AM107	CA CONTM POST LOCA TRN B	2.110E+0	R/HR	GOOD
1AM104	CA LO RANGE PERSONNEL HATCH	3.210E+0	MR/HR	GOOD
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.762E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	6.3	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	7.5	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	80	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	82	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.1	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.3	F	GOOD
C0789	WET BULB (15-MIN AVE)	64.3	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	67.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	61.5	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.23	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	2.330E+0	R/HR	GOOD
1AM107	CA CONTM POST LOCA TRN B	2.320E+0	R/HR	GOOD
1AM104	CA LO RANGE PERSONNEL HATCH	3.210E+0	MR/HR	GOOD
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.762E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	8.1	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	9.4	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	78	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	81	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.1	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.2	F	GOOD
C0789	WET BULB (15-MIN AVE)	63.5	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	67.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	60.1	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.26	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	7.020E+0	R/HR	GOOD
1AM107	CA CONTM POST LOCA TRN B	7.010E+0	R/HR	GOOD
1AM104	CA LO RANGE PERSONNEL HATCH	7.000E+0	MR/HR	HALM
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	7.9	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	8.7	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	82	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	86	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.2	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.4	F	GOOD
C0789	WET BULB (15-MIN AVE)	64.8	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	68.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	61.6	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.27	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	1.110E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	1.100E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	1.000E+1	MR/HR	HALM
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	7.1	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	9.6	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	80	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	83	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.3	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.3	F	GOOD
C0789	WET BULB (15-MIN AVE)	65.2	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	68.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	62.5	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.28	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	1.420E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	1.410E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	1.400E+1	MR/HR	HALM
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	7.0	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	9.8	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	78	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	81	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.3	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.3	F	GOOD
C0789	WET BULB (15-MIN AVE)	65.2	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	68.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	62.3	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.28	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	1.710E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	1.710E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	1.750E+1	MR/HR	HALM
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	7.9	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	8.5	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	85	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	86	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.3	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.4	F	GOOD
C0789	WET BULB (15-MIN AVE)	65.7	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	69.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	62.3	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.30	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	1.910E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	1.900E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	1.850E+1	MP/HR	HALM
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	7.7	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	9.0	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	80	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	82	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.4	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.5	F	GOOD
C0789	WET BULB (15-MIN AVE)	65.9	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	69.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	62.7	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.31	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	2.120E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	2.100E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	2.050E+1	MR/HR	HALM
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	6.1	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	8.5	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	84	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	87	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.5	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.7	F	GOOD
C0789	WET BULB (15-MIN AVE)	66.5	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	69.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	63.9	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.32	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	7.610E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	7.600E+0	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	7.590E+1	MR/HR	HALM
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	7.8	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	10.4	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	76	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	78	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.5	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.5	F	GOOD
C0789	WET BULB (15-MIN AVE)	66.8	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	70.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	63.5	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.36	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	7.220E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	7.200E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	7.300E+1	MR/HR	HALM
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	5.2	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	7.1	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	76	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	78	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.6	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.8	F	GOOD
C0789	WET BULB (15-MIN AVE)	67.2	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	70.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	64.4	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.38	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	7.010E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	7.000E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	7.300E+1	MR/HR	HALM
1AM105	CA HI RANGE PERSONNEL HATCH	1.360E+3	MR/HR	GOOD
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.990E-1	MR/HR	GOOD
1GM802	CA MAIN STEAM LINE LOOP #4	3.650E-1	MR/HR	GOOD
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	5.5	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	8.3	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	83	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	84	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.6	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.7	F	GOOD
C0789	WET BULB (15-MIN AVE)	66.5	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	70.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	63.0	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.36	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	6.720E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	6.700E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	8.900E+3	MR/HR	HIHI
1AM105	CA HI RANGE PERSONNEL HATCH	8.900E+3	MR/HR	HALM
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	4.200E+3	MR/HR	HIHI
1GM802	CA MAIN STEAM LINE LOOP #4	4.150E+3	MR/HR	HIHI
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	5.3	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	7.0	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	77	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	78	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.6	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.8	F	GOOD
C0789	WET BULB (15-MIN AVE)	67.4	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	70.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	64.7	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.37	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	6.420E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	6.400E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	8.600E+3	MR/HR	HIHI
1AM105	CA HI RANGE PERSONNEL HATCH	8.600E+3	MR/HR	HALM
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	5.200E+3	MR/HR	HIHI
1GM802	CA MAIN STEAM LINE LOOP #4	5.200E+3	MR/HR	HIHI
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	6.2	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	8.3	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	79	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	83	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.7	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.7	F	GOOD
C0789	WET BULB (15-MIN AVE)	67.1	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	70.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	64.3	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.36	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	6.220E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	6.200E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	8.200E+3	MR/HR	HIHI
1AM105	CA HI RANGE PERSONNEL HATCH	8.200E+3	MR/HR	HALM
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	5.200E+3	MR/HR	HIHI
1GM802	CA MAIN STEAM LINE LOOP #4	5.200E+3	MR/HR	HIHI
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	6.5	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	9.5	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	78	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	79	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.7	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.9	F	GOOD
C0789	WET BULB (15-MIN AVE)	68.2	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	71.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	65.5	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.33	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	6.220E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	6.200E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	7.900E+3	MR/HR	HIHI
1AM105	CA HI RANGE PERSONNEL HATCH	7.900E+3	MR/HR	HALM
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	6.000E+3	MR/HR	HIHI
1GM802	CA MAIN STEAM LINE LOOP #4	6.000E+3	MR/HR	HIHI
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	7.4	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	9.3	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	81	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	84	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.7	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.7	F	GOOD
C0789	WET BULB (15-MIN AVE)	68.2	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	71.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	65.4	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.35	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	5.620E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	5.600E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	7.500E+3	MR/HR	HIHI
1AM105	CA HI RANGE PERSONNEL HATCH	7.500E+3	MR/HR	HALM
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	6.000E+3	MR/HR	HIHI
1GM802	CA MAIN STEAM LINE LOOP #4	6.000E+3	MR/HR	HIHI
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	6.9	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	9.0	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	76	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	80	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.8	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.8	F	GOOD
C0789	WET BULB (15-MIN AVE)	67.7	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	71.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	64.5	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.32	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	5.420E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	5.400E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	7.100E+3	MR/HR	HIHI
1AM105	CA HI RANGE PERSONNEL HATCH	7.100E+3	MR/HR	HALM
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	5.800E+3	MR/HR	HIHI
1GM802	CA MAIN STEAM LINE LOOP #4	5.800E+3	MR/HR	HIHI
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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DOSE ASSESSMENT DATA POINTS

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	7.3	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	7.7	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	79	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	81	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.7	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.9	F	GOOD
C0789	WET BULB (15-MIN AVE)	67.8	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	71.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	64.7	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.33	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	5.420E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	5.400E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	7.100E+3	MR/HR	HIHI
1AM105	CA HI RANGE PERSONNEL HATCH	7.100E+3	MR/HR	HALM
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	5.700E+3	MR/HR	HIHI
1GM802	CA MAIN STEAM LINE LOOP #4	5.700E+3	MR/HR	HIHI
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

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LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	6.1	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	8.8	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	81	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	84	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.7	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.9	F	GOOD
C0789	WET BULB (15-MIN AVE)	67.0	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	70.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	64.0	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.32	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	5.420E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	5.400E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	7.100E+3	MR/HR	HIHI
1AM105	CA HI RANGE PERSONNEL HATCH	7.100E+3	MR/HR	HALM
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	5.700E+3	MR/HR	HIHI
1GM802	CA MAIN STEAM LINE LOOP #4	5.700E+3	MR/HR	HIHI
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

9/18/96 14:15:00 PAGE 1 of 1

LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	6.6	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	8.2	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	84	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	86	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.7	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.7	F	GOOD
C0789	WET BULB (15-MIN AVE)	66.6	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	70.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	63.2	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.29	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	5.420E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	5.400E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	7.100E+3	MR/HR	HIHI
1AM105	CA HI RANGE PERSONNEL HATCH	7.100E+3	MR/HR	HALM
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	5.700E+3	MR/HR	HIHI
1GM802	CA MAIN STEAM LINE LOOP #4	5.700E+3	MR/HR	HIHI
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

9/18/96 14:30:00 PAGE 1 of 1

LOGGER TREND - SECTION 1 - DOSE ASSESSMENT DATA POINTS (HP)

POINT ID	POINT DESCRIPTION	VALUE	UNITS	QUAL
********** 15 MIN METEOROLOGICAL AVERAGES **********				
C0783	LOWER WIND SPEED (15-MIN AV)	7.7	MPH	GOOD
C0784	UPPER WIND SPEED (15-MIN AV)	10.2	MPH	GOOD
C0785	LOWER WIND DIR FROM (15-MIN AVE)	81	DEG	GOOD
C0786	UPPER WIND DIR FROM (15-MIN AVE)	84	DEG	GOOD
C0787	LOWER DELTA-T (15-MIN AVE)	-0.6	F	GOOD
C0788	UPPER DELTA-T (15-MIN AVE)	-0.7	F	GOOD
C0789	WET BULB (15-MIN AVE)	66.7	F	GOOD
C0790	AMBIENT TEMP (15-MIN AVE)	70.0	F	GOOD
C0791	DEW POINT (15-MIN AVE)	63.4	F	GOOD
C0797	PRECIPITATION (15-MIN TOTAL)	0.00	IN	GOOD
C0798	SOLAR RAD (15-MIN AVE)	0.27	LANGLY	GOOD
********** RDMS DATA POINTS **********				
1AM106	CA CONTM POST LOCA TRN A	5.420E+1	R/HR	HIHI
1AM107	CA CONTM POST LOCA TRN B	5.400E+1	R/HR	HIHI
1AM104	CA LO RANGE PERSONNEL HATCH	7.100E+3	MR/HR	HIHI
1AM105	CA HI RANGE PERSONNEL HATCH	7.100E+3	MR/HR	HALM
1NG222	CA PLANT VENT LO RANGE GAS	1.450E-6	UCI/CC	GOOD
1NG223	CA PLANT VENT MID RANGE GAS	3.310E-4	UCI/CC	GOOD
1NG224	CA PLANT VENT HI RANGE GAS	1.500E-1	UCI/CC	GOOD
1CC225	CA PLANT VENT DISCH RATE	2.020E-2	UCI/SE	GOOD
1GM801	CA MAIN STEAM LINE LOOP #1	5.700E+3	MR/HR	HIHI
1GM802	CA MAIN STEAM LINE LOOP #4	5.700E+3	MR/HR	HIHI
1GM803	CA MAIN STEAM LINE LOOP #2	3.500E-1	MR/HR	GOOD
1GM804	CA MAIN STEAM LINE LOOP #3	4.510E-1	MR/HR	GOOD
1NG217	CA PLANT VENT LO RANGE GAS	0.000E+0	MR/HR	GOOD
1NG218	CA PLANT VENT HI RANGE GAS	0.000E+0	MR/HR	GOOD
1NG222SF	SF PLANT VENT LO RANGE GAS	1.600E+1	SCFM	GOOD
1CC225PF	PF PLANT VENT DISCH FLOW	2.568E+5	SCFM	GOOD

TIME	LOWER WIND SPEED mph	UPPER WIND SPEED mph	LOWER WIND DIR deg from	UPPER WIND DIR deg from	LOWER DELTA T deg (F)	UPPER DELTA T deg (F)	AMBIENT TEMP deg (F)	PRECIP in/qt hr	SOLAR RAD langley
8:00	7.0	8.7	76	79	0.37	0.38	65	0	0.14
8:15	7.1	8.9	81	86	0.25	0.43	65	0	0.16
8:30	6.1	7.9	84	85	0.23	0.41	66	0	0.17
8:45	8.0	8.5	84	84	0.11	0.12	66	0	0.18
9:00	7.8	7.9	79	79	0.10	0.27	66	0	0.20
9:15	6.8	7.3	79	82	0.00	0.07	67	0	0.21
9:30	6.6	9.5	75	77	-0.01	0.04	67	0	0.22
9:45	6.3	7.5	80	82	-0.12	-0.26	67	0	0.23
10:00	8.1	9.4	78	81	-0.14	-0.20	67	0	0.26
10:15	7.9	8.7	82	86	-0.20	-0.38	68	0	0.27
10:30	7.1	9.6	80	83	-0.26	-0.28	68	0	0.28
10:45	7.0	9.8	78	81	-0.31	-0.33	68	0	0.28
11:00	7.9	8.5	85	86	-0.33	-0.42	69	0	0.30
11:15	7.7	9.0	80	82	-0.44	-0.50	69	0	0.31
11:30	6.1	8.5	84	87	-0.49	-0.67	69	0	0.32
11:45	7.8	10.4	76	78	-0.52	-0.53	70	0	0.36
12:00	5.2	7.1	76	78	-0.57	-0.75	70	0	0.38
12:15	5.5	8.3	83	84	-0.61	-0.75	70	0	0.36
12:30	5.3	7.0	77	78	-0.62	-0.81	70	0	0.37
12:45	6.2	8.3	79	83	-0.66	-0.74	70	0	0.36
13:00	6.5	9.5	78	79	-0.70	-0.85	71	0	0.33
13:15	7.4	9.3	81	84	-0.73	-0.73	71	0	0.35
13:30	6.9	9.0	76	80	-0.75	-0.79	71	0	0.32
13:45	7.3	7.7	79	81	-0.74	-0.91	71	0	0.33
14:00	6.1	8.8	81	84	-0.69	-0.89	70	0	0.32
14:15	6.6	8.2	84	86	-0.65	-0.69	70	0	0.29
14:30	7.7	10.2	81	84	-0.63	-0.71	70	0	0.27

Assumed Date: 9/18/96

NORTH ATLANTIC

SEABROOK STATION

1996 EXERCISE

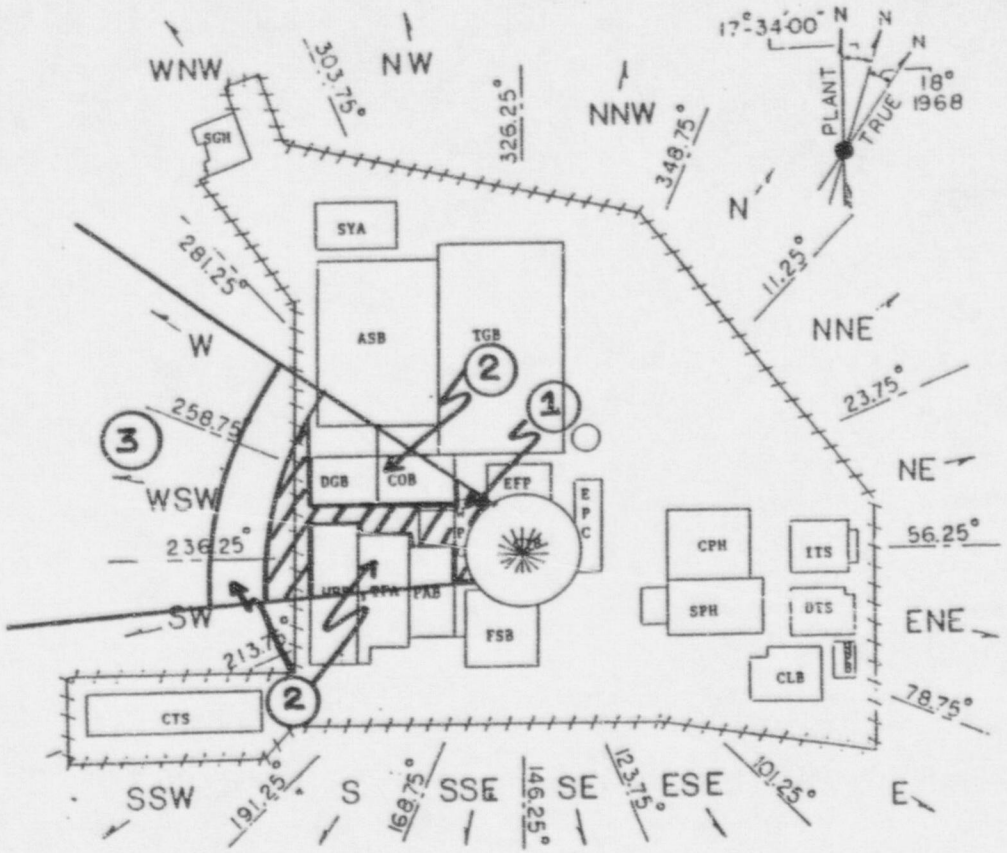
8.5 FIELD MONITORING DATA

On-Site Plume Maps

1996 Graded Exercise

1208-1215

On-site Plume Map



Location	Center Line Waist		Center Line Ground		Edge of Plume		Air Samples				Smears	Incremental Exposure
							Particulate		Iodine			
	Open mr/hr	Closed mr/hr	Open mr/hr	Closed mr/hr	Open mr/hr	Closed mr/hr	ccpm	uCi/cc	ccpm	uCi/cc	ccpm	mr/15 min
1	106.0	92.0	106.0	92.0	11.0	9.0	3000	4.91E-08	620	4.05E-06	10k	23.0
2	26.5	23.0	26.5	23.0	2.8	2.3	750	1.23E-08	155	1.01E-06	8k	5.8
3	*	*	*	*	*	*	*	*	*	*	*	*

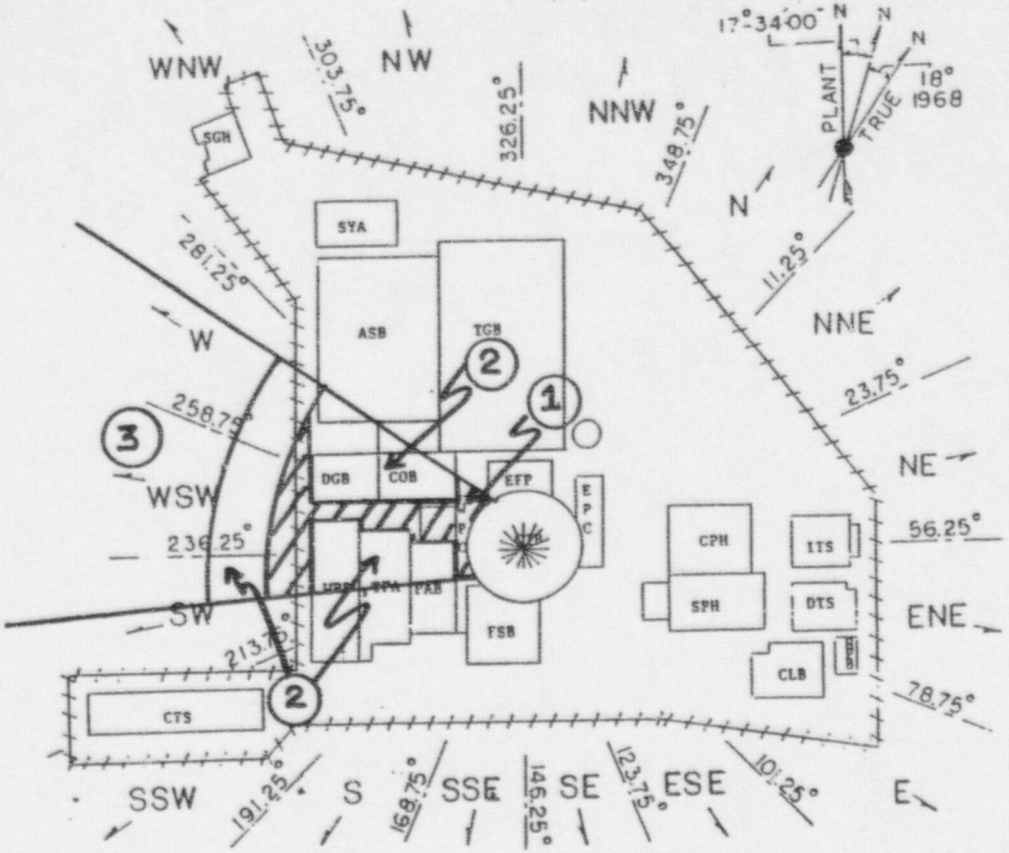
* "As Read" on instrument in use.

Wind from 80 @ 5.2 mph

1996 Graded Exercise

1216-1230

On-site Plume Map



Location	Center Line Waist Open mr/hr	Center Line Waist Closed mr/hr	Center Line Ground Open mr/hr	Center Line Ground Closed mr/hr	Edge of Plume Open mr/hr	Edge of Plume Closed mr/hr	Air Samples Particulate ccpm	Air Samples Particulate uCi/cc	Air Samples Iodine ccpm	Air Samples Iodine uCi/cc	Smears ccpm	Incremental Exposure mr/15 min
1	102.0	88.0	102.0	88.0	10.2	8.8	2800	4.57E-08	600	3.78E-07	22k	22.0
2	25.5	22.0	25.5	22.0	2.6	2.2	700	1.14E-08	150	9.45E-08	6k	5.5
3	6.4	5.4	6.4	5.4	0.6	0.5	240	3.65E-09	40	3.01E-08	1.4k	1.4

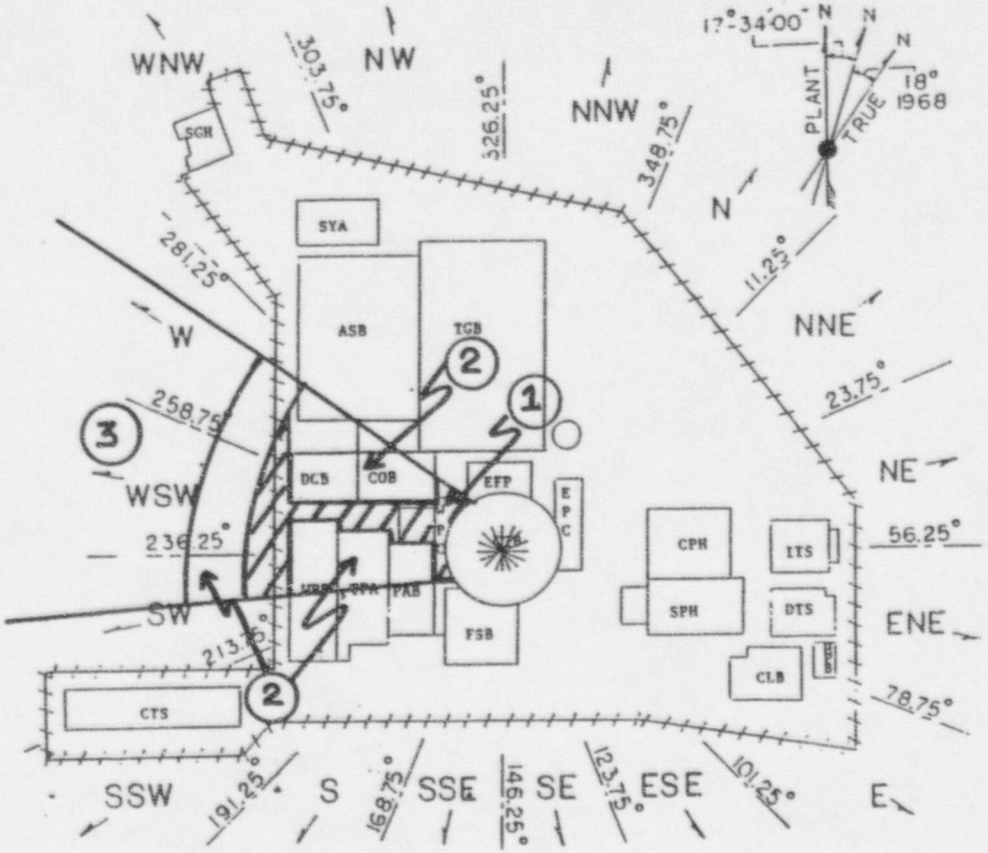
* "As Read" on instrument in use.

Wind from 79 @ 5.5 mph

1996 Graded Exercise

1231-1245

On-site Plume Map



Location	Center Line Waist Open mr/hr	Center Line Waist Closed mr/hr	Center Line Ground Open mr/hr	Center Line Ground Closed mr/hr	Edge of Plume Open mr/hr	Edge of Plume Closed mr/hr	Air Samples Particulate ccpm	Air Samples Particulate uCi/cc	Air Samples Iodine ccpm	Air Samples Iodine uCi/cc	Smears ccpm	Incremental Exposure mr/15 min
1	101.0	88.0	101.0	88.0	10.0	8.8	2800	4.59E-08	600	3.96E-07	35k	2.2
2	25.3	22.0	25.3	22.0	2.5	2.2	700	1.15E-08	150	9.9E-08	9k	0.6
3	7.2	5.4	7.2	5.4	0.7	0.5	225	3.45E-09	40	2.97E-08	1.4k	1.4

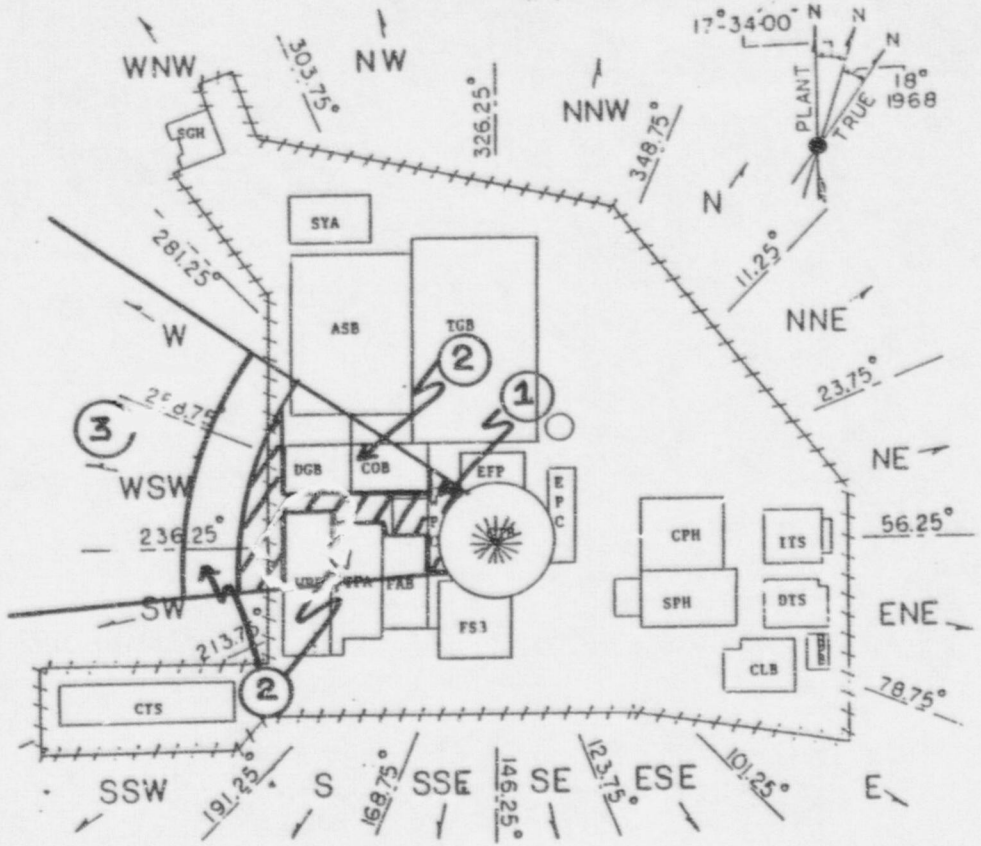
* "As Read" on instrument in use.

Wind from 81 @ 5.3 mph

1996 Graded Exercise

1246-1300

On-site Plume Map



Location	Center Line Waist Open mr/hr	Center Line Waist Closed mr/hr	Center Line Ground Open mr/hr	Center Line Ground Closed mr/hr	Edge of Plume Open mr/hr	Edge of Plume Closed mr/hr	Air Samples Particulate ccpm	Air Samples Particulate uCi/cc	Air Samples Iodine ccpm	Air Samples Iodine uCi/cc	Smears ccpm	Incremental Exposure mr/15 min
1	88.0	77.0	88.0	77.0	8.8	7.7	2300	3.74E-08	540	3.40E-07	46.2k	19.0
2	22.0	19.3	22.0	19.3	2.2	1.9	575	9.35E-09	135	8.5E-08	12k	4.8
3	9.6	8.8	9.6	8.8	1.0	0.9	170	2.74E-09	*	2.49E-08	2.8k	2.2

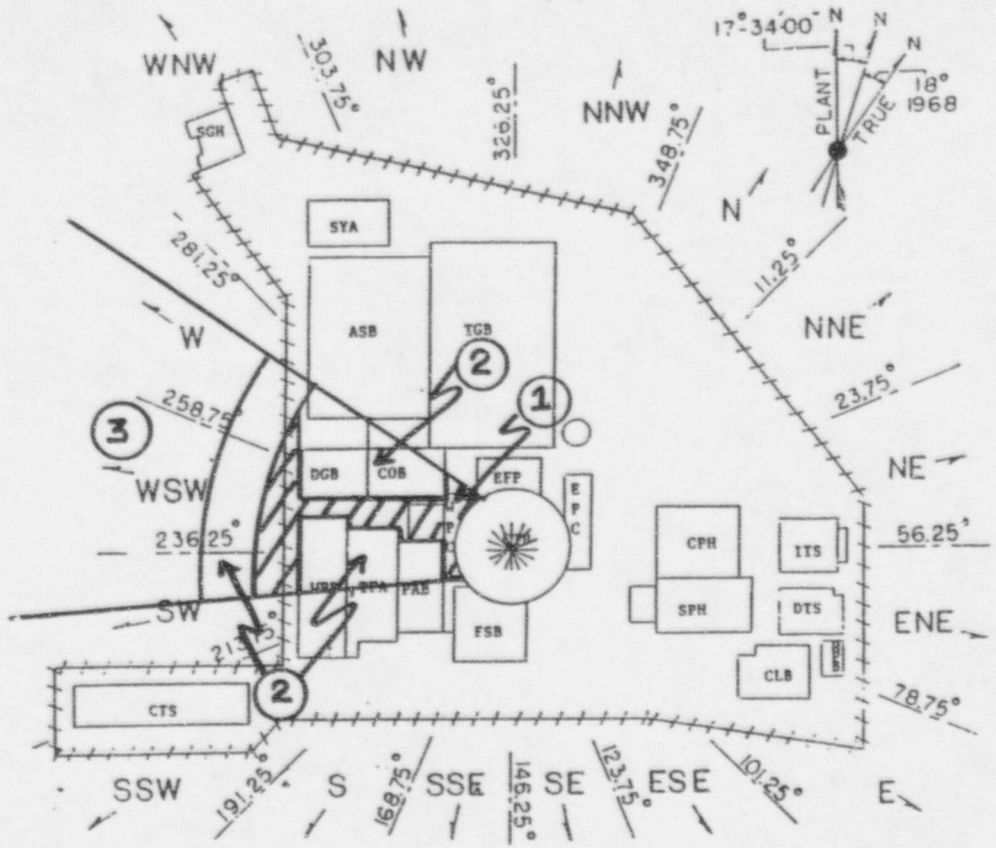
* "As Read" on instrument in use.

Wind from 81 @ 6.2 mph

1996 Graded Exercise

1301-1315

On-site Plume Map



Location	Center Line Waist Open mr/hr	Center Line Waist Closed mr/hr	Center Line Ground Open mr/hr	Center Line Ground Closed mr/hr	Edge of Plume Open mr/hr	Edge of Plume Closed mr/hr	Air Samples Particulate ccpm	Air Samples Particulate uCi/cc	Air Samples Iodine ccpm	Air Samples Iodine uCi/cc	Smears ccpm	Incremental Exposure mr/15 min
1	80.0	70.0	80.0	70.0	8.0	7.0	2000	3.29E-08	460	3.02E-07	56k	17.5
2	20.0	17.5	20.0	17.5	2.0	1.8	500	8.23E-09	115	7.55E-08	14k	4.4
3	8.2	7.0	8.2	7.0	0.8	0.8	250	4.02E-09	*	3.69E-08	7k	1.8

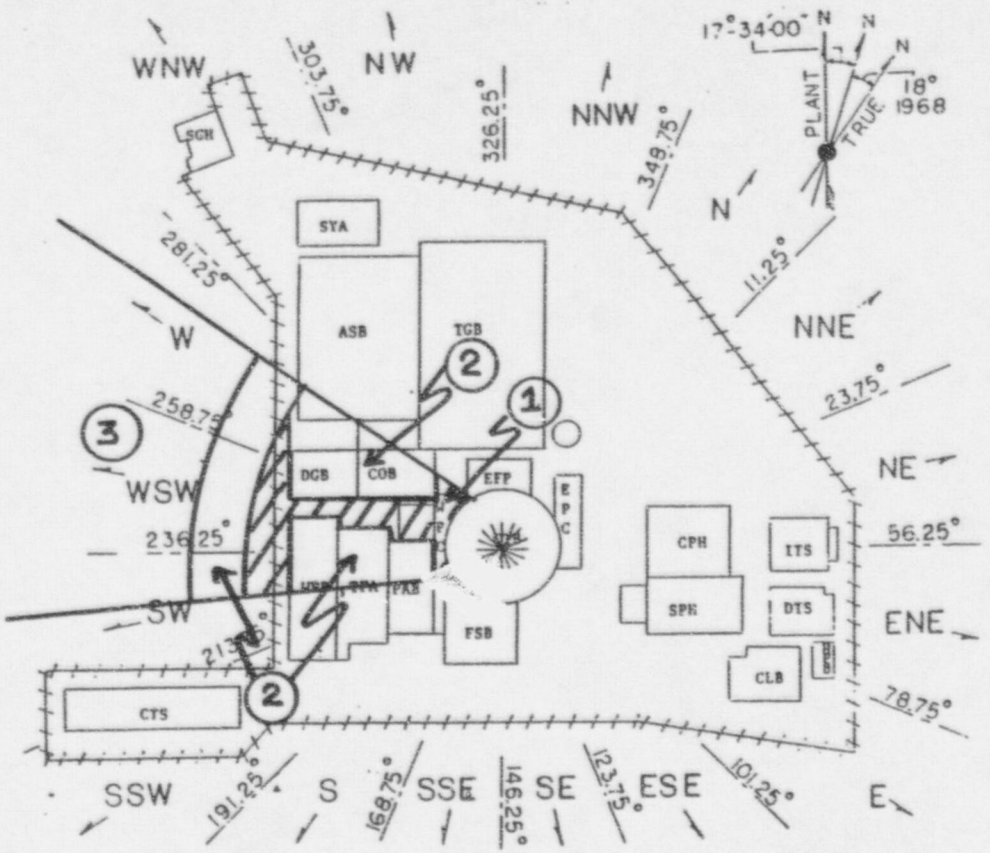
* "As Read" on instrument in use.

Wind **from** 83 @ 6.5 mph

1996 Graded Exercise

1216-1330

On-site Plume Map



Location	Center Line Waist Open mr/hr	Center Line Waist Closed mr/hr	Center Line Ground Open mr/hr	Center Line Ground Closed mr/hr	Edge of Plume Open mr/hr	Edge of Plume Closed mr/hr	Air Samples Particulate ccpm	Air Samples Particulate uCi/cc	Air Samples Iodine ccpm	Air Samples Iodine uCi/cc	Smears ccpm	Incremental Exposure mr/15 min
1	50.0	42.0	51.0	42.0	5.0	4.2	1600	2.50E-06	360	2.38E-07	66k	10.0
2	12.5	10.5	12.8	10.5	1.3	1.1	400	6.25E-09	90	5.95E-08	17k	2.5
3	4.4	3.5	4.4	3.5	0.4	0.4	180	2.89E-09	*	2.76E-08	11k	0.9

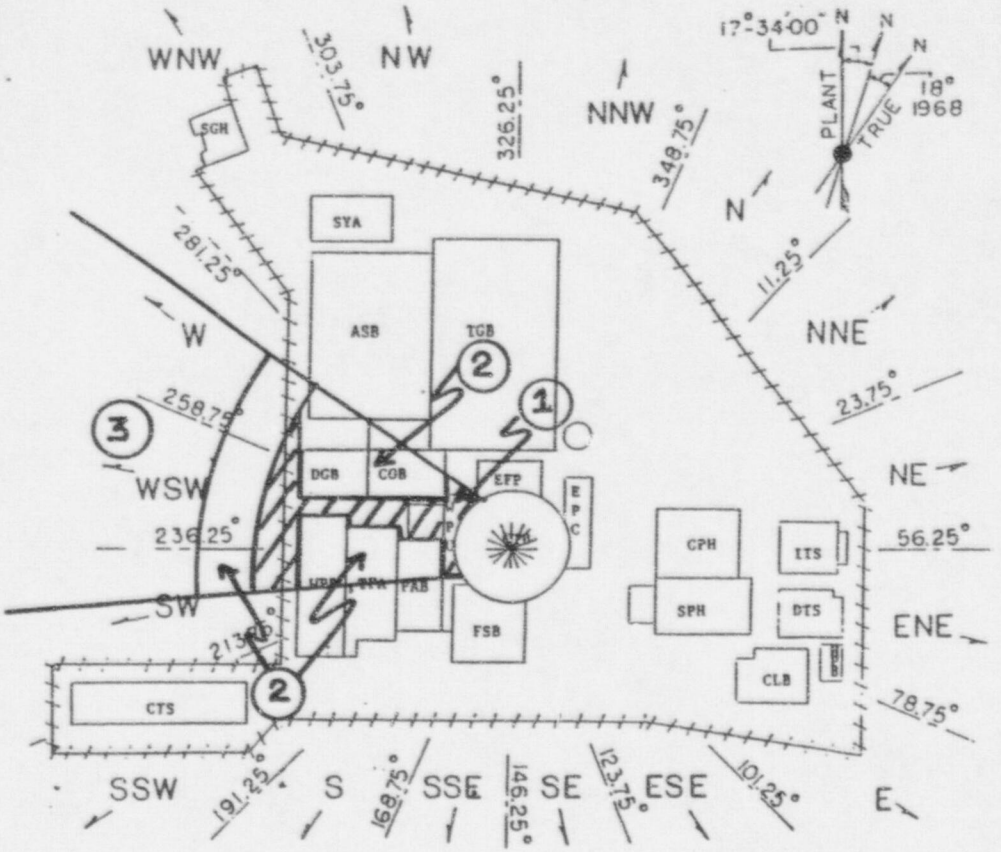
* "As Read" on instrument in use.

Wind from 82 @ 7.4 mph

1996 Graded Exercise

1331-1345

On-site Plume Map

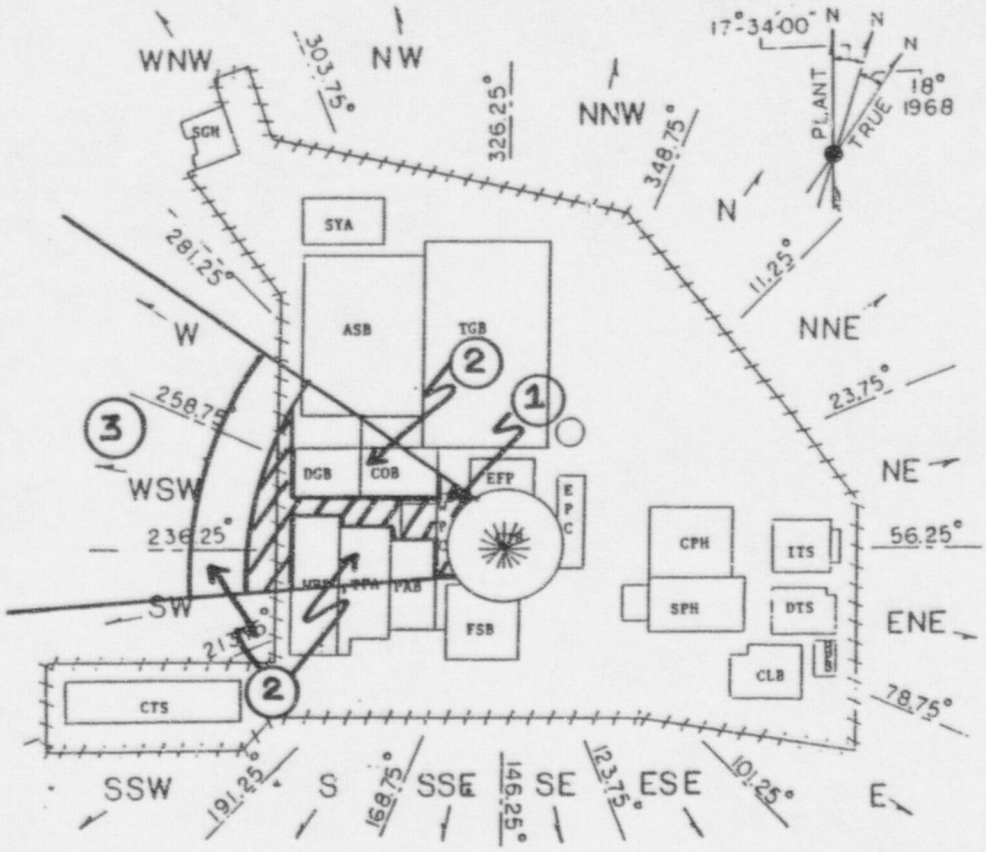


Location	Center Line Waist Open mr/hr	Center Line Waist Closed mr/hr	Center Line Ground Open mr/hr	Center Line Ground Closed mr/hr	Edge of Plume Open mr/hr	Edge of Plume Closed mr/hr	Air Samples Particulate ccpm	Air Samples Particulate uCi/cc	Air Samples Iodine ccpm	Air Samples Iodine uCi/cc	Smears ccpm	Incremental Exposure mr/15 min
1	47.0	40.0	48.0	40.0	4.7	4.0	1300	1.91E-08	260	1.88E-07	66k	10.0
2	11.8	10.0	12.0	10.0	1.2	1.0	325	4.78E-09	65	4.7E-08	17k	2.5
3	4.2	3.4	4.2	3.4	0.4	0.3	130	2.31E-09	*	2.27E-08	2.8k	0.8

* "As Read" on instrument in use.

Wind **from 78 @ 6.9 mph**

1346-1445



Location	Center Line Waist Open mr/hr	Center Line Waist Closed mr/hr	Center Line Ground Open mr/hr	Center Line Ground Closed mr/hr	Edge of Plume Open mr/hr	Edge of Plume Closed mr/hr	Air Samples Particulate ccpm	Air Samples Particulate uCi/cc	Air Samples Iodine ccpm	Air Samples Iodine uCi/cc	Smears ccpm	Incremental Exposure mr/15 min
1	46.0	39.0	47.0	39.0	4.5	4.0	900	1.48E-08	110	1.46E-07	73k	10.0
2	11.5	9.8	11.8	9.8	1.1	1.0	225	3.7E-09	27.5	3.65E-08	19k	2.5
3	4.0	3.2	4.0	3.2	0.4	0.3	*	1.73E-09	*	1.72E-08	4.2k	0.8

* "As Read" on instrument in use.

Wind from 78 @ 7.3 mph

RESULTS OF ISOTOPIC ANALYSIS OF FIELD TEAM AIR SAMPLES

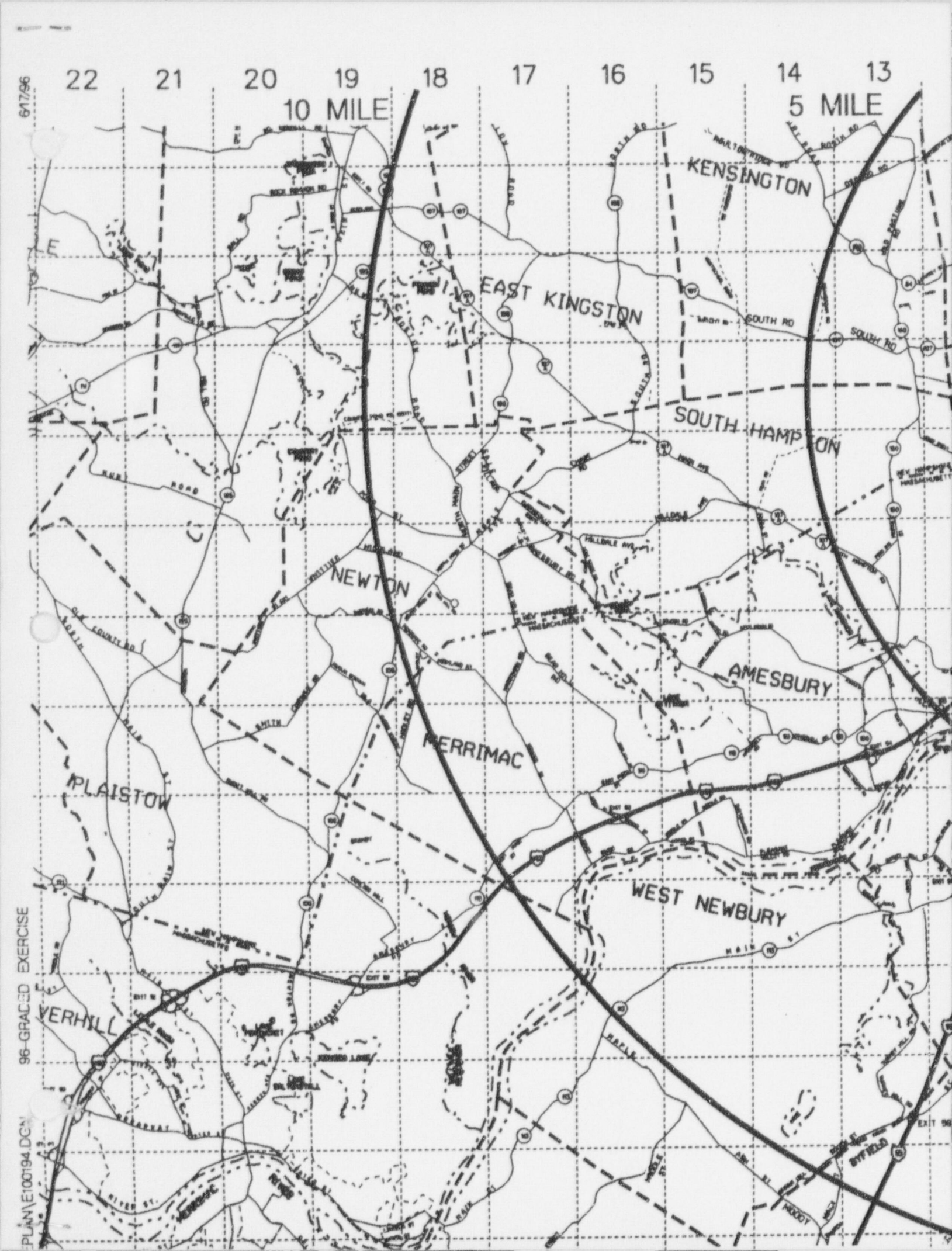
TIME	**1245**	**1300**	**1315**	**1330**	**1345**	**1400**	**1415**	**1430**
Grid Location	11-K-4	10-K-7	12-K-5	10-K-3	15-J-9	12-J-1	16-I-1	13-J-3

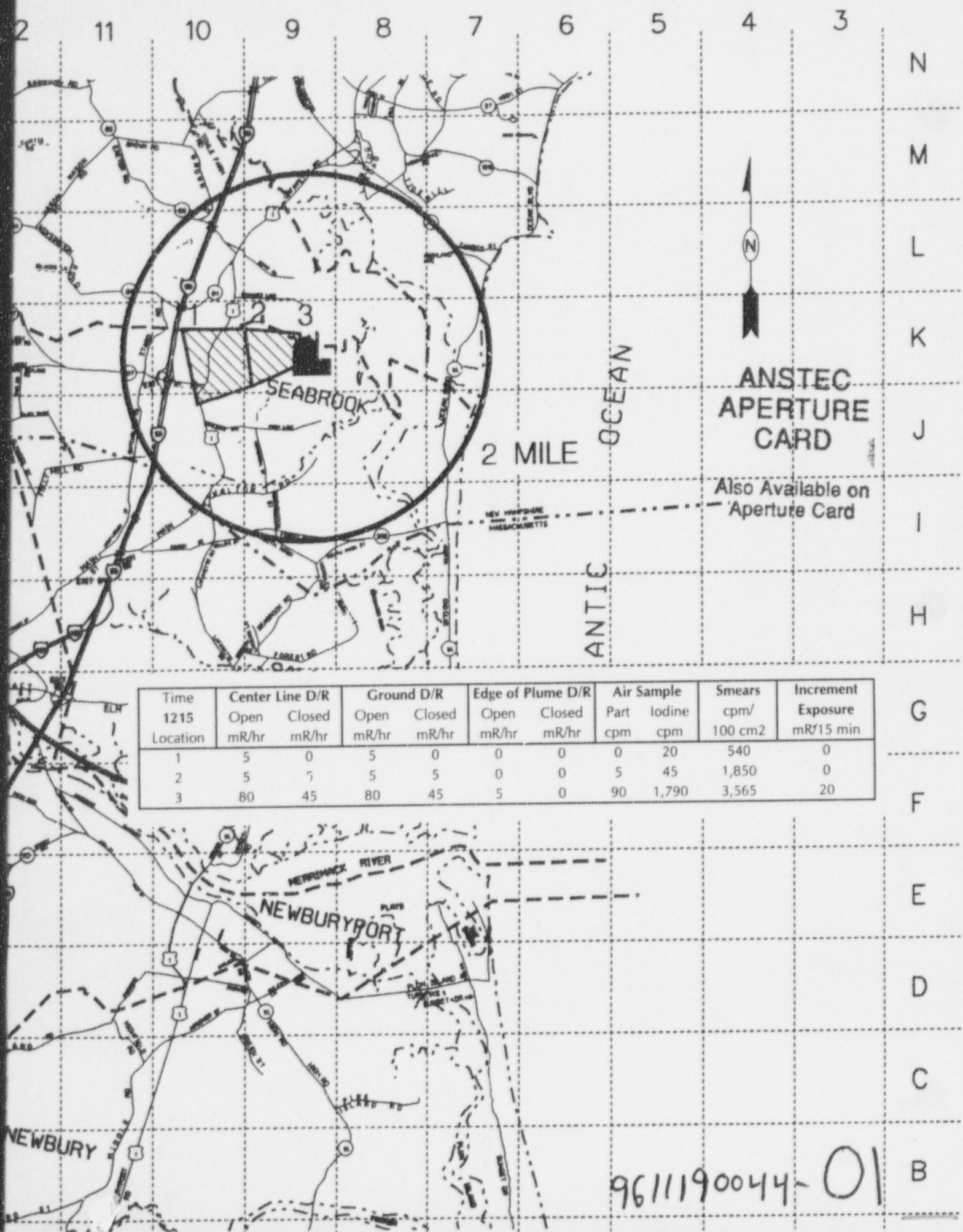
Iodine Cartridge

cpm	5	15	5	20	0	5	0	5
I-131	<LLD	6.2E-10	<LLD	8.3E-10	<LLD	<LLD	<LLD	<LLD
I-132	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
I-133	4.3E-10	1.3E-9	4.3E-10	1.7E-9	<LLD	4.3E-10	<LLD	4.3E-10
I-134	<LLD	<LLD	<LLD	1.2E-9	<LLD	<LLD	<LLD	<LLD
I-135	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
TOTAL	**4.3E-10**	**1.9E-9**	**4.3E-10**	**3.8E-9**	**0.0E+0**	**4.3E-10**	**0.0E+0**	**4.3E-10**
mR/hr	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2

Particulate Filter

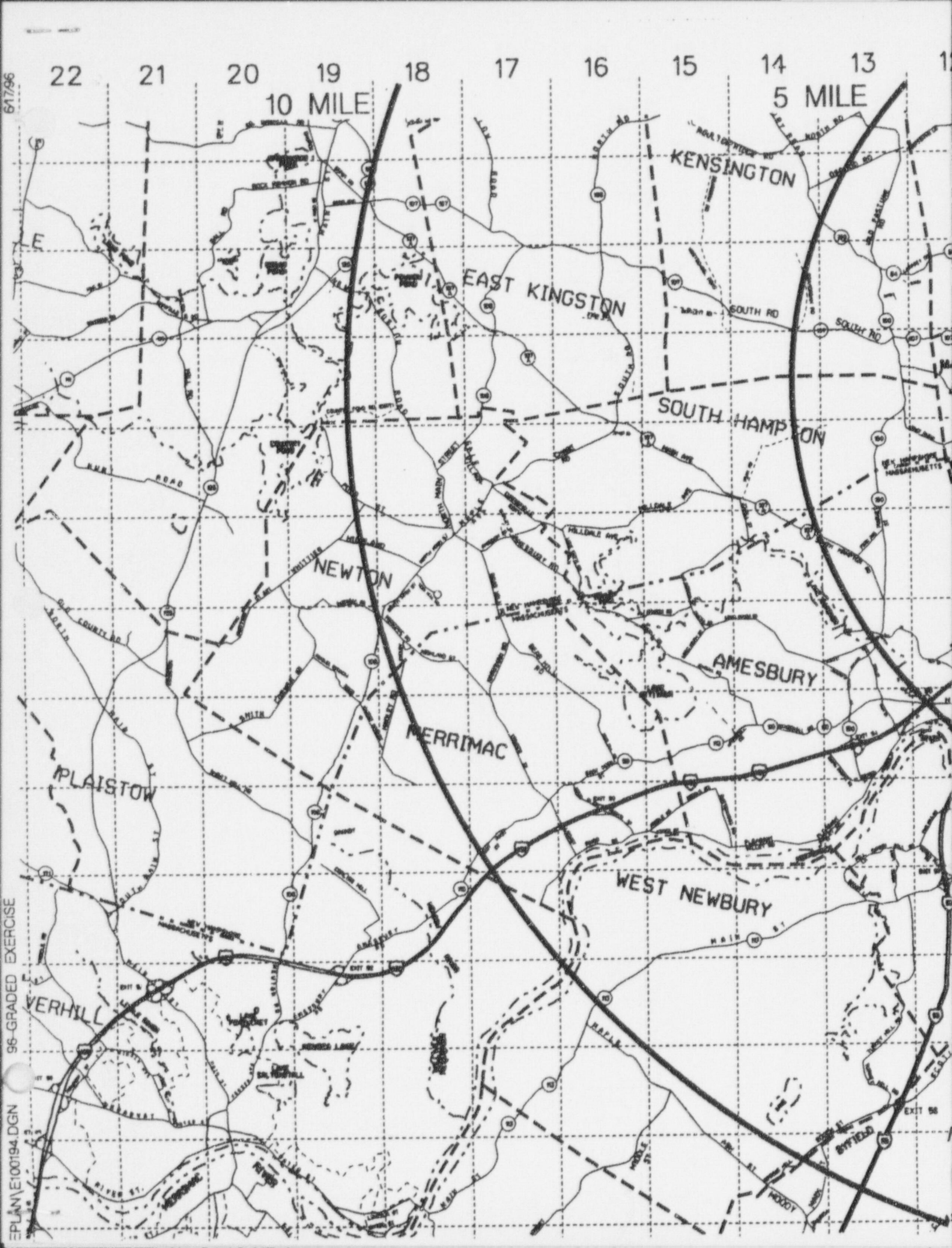
cpm	2	3	2	4	0	1	0	1
Cs-134	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Cs-137	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Te-131M	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Te-132	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Ba-140	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
La-140	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
mR/hr	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2


22
21
20
19
18
17
16
15
14
13
10 MILE
5 MILE
KENSINGTON
EAST KINGSTON
SOUTH HAMPTON
NEWTON
AMESBURY
MERRIMAC
PLAISTOW
WEST NEWBURY
VERHILL
6/17/96
96-GRADED EXERCISE



Time 1215 Location	Center Line D/R Open mR/hr	Center Line D/R Closed mR/hr	Ground D/R Open mR/hr	Ground D/R Closed mR/hr	Edge of Plume D/R Open mR/hr	Edge of Plume D/R Closed mR/hr	Air Sample Part cpm	Air Sample Iodine cpm	Smears cpm/ 100 cm2	Increment Exposure mR/15 min
1	5	0	5	0	0	0	0	20	540	0
2	5	5	5	5	0	0	5	45	1,850	0
3	80	45	80	45	5	0	90	1,790	3,565	20

9611190044-01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96-GRADED EXERCISE
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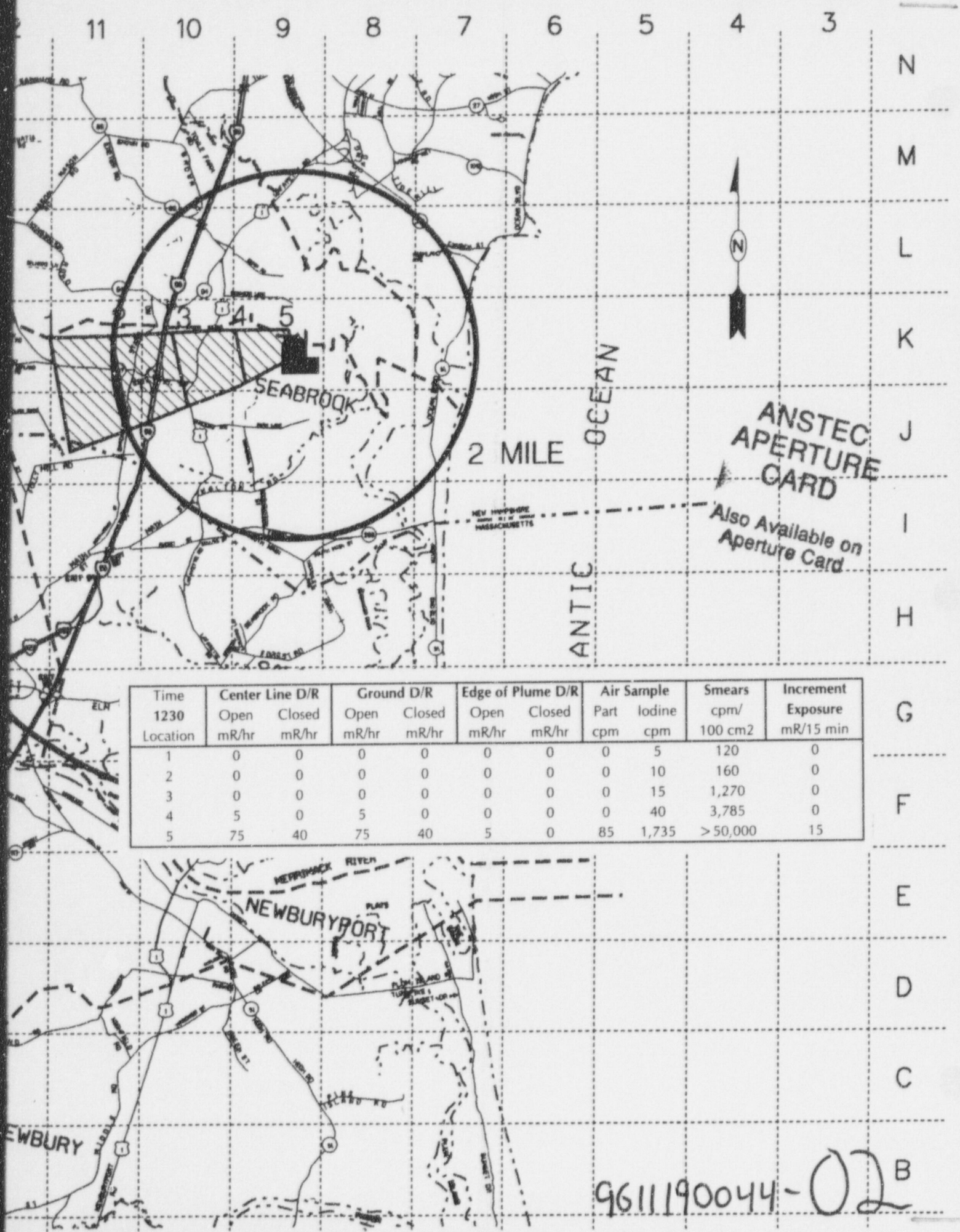
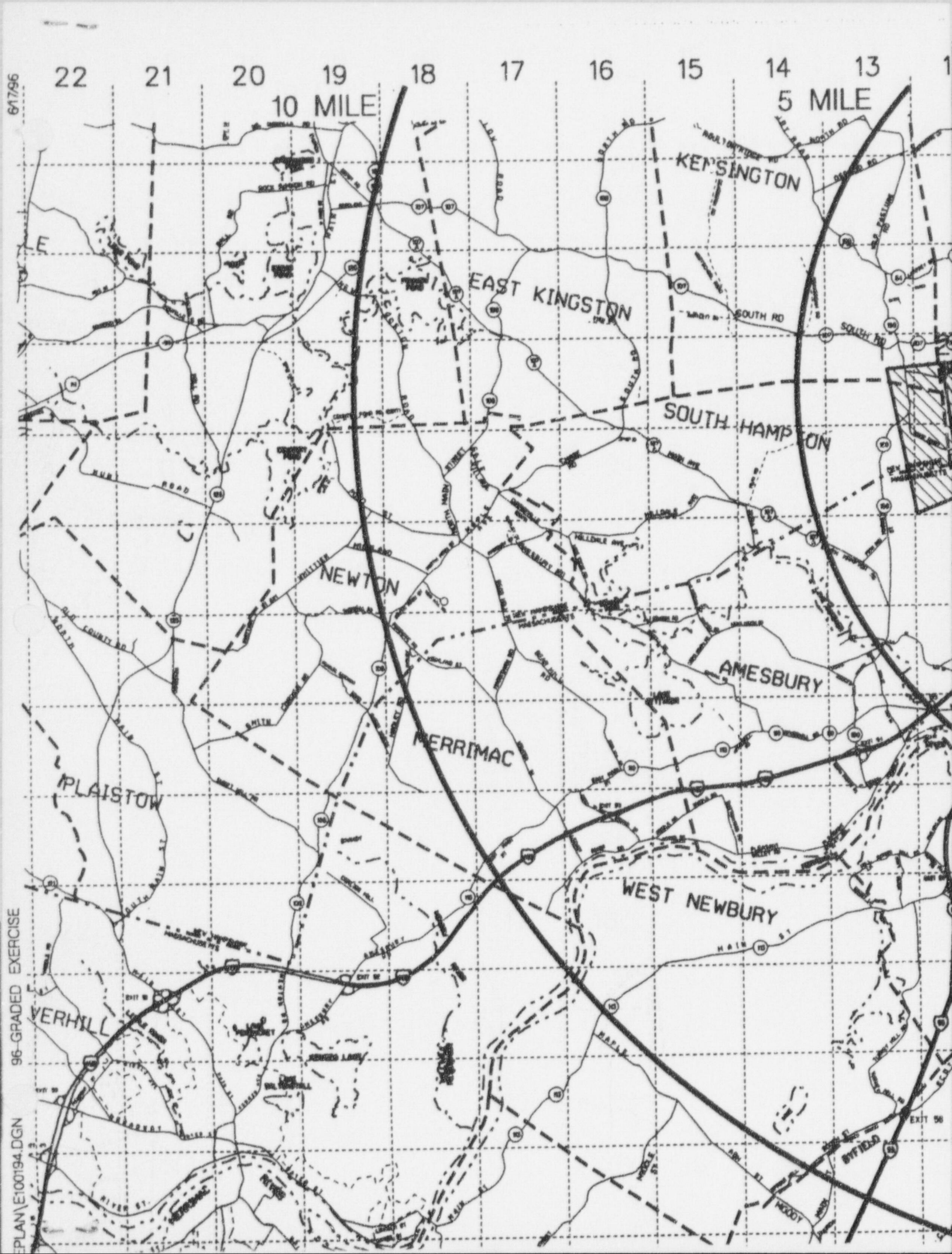


Time 1230 Location	Center Line D/R Open mR/hr	Center Line D/R Closed mR/hr	Ground D/R Open mR/hr	Ground D/R Closed mR/hr	Edge of Plume D/R Open mR/hr	Edge of Plume D/R Closed mR/hr	Air Sample Part cpm	Air Sample Iodine cpm	Smears cpm/ 100 cm2	Increment Exposure mR/15 min
1	0	0	0	0	0	0	0	5	120	0
2	0	0	0	0	0	0	0	10	160	0
3	0	0	0	0	0	0	0	15	1,270	0
4	5	0	5	0	0	0	0	40	3,785	0
5	75	40	75	40	5	0	85	1,735	> 50,000	15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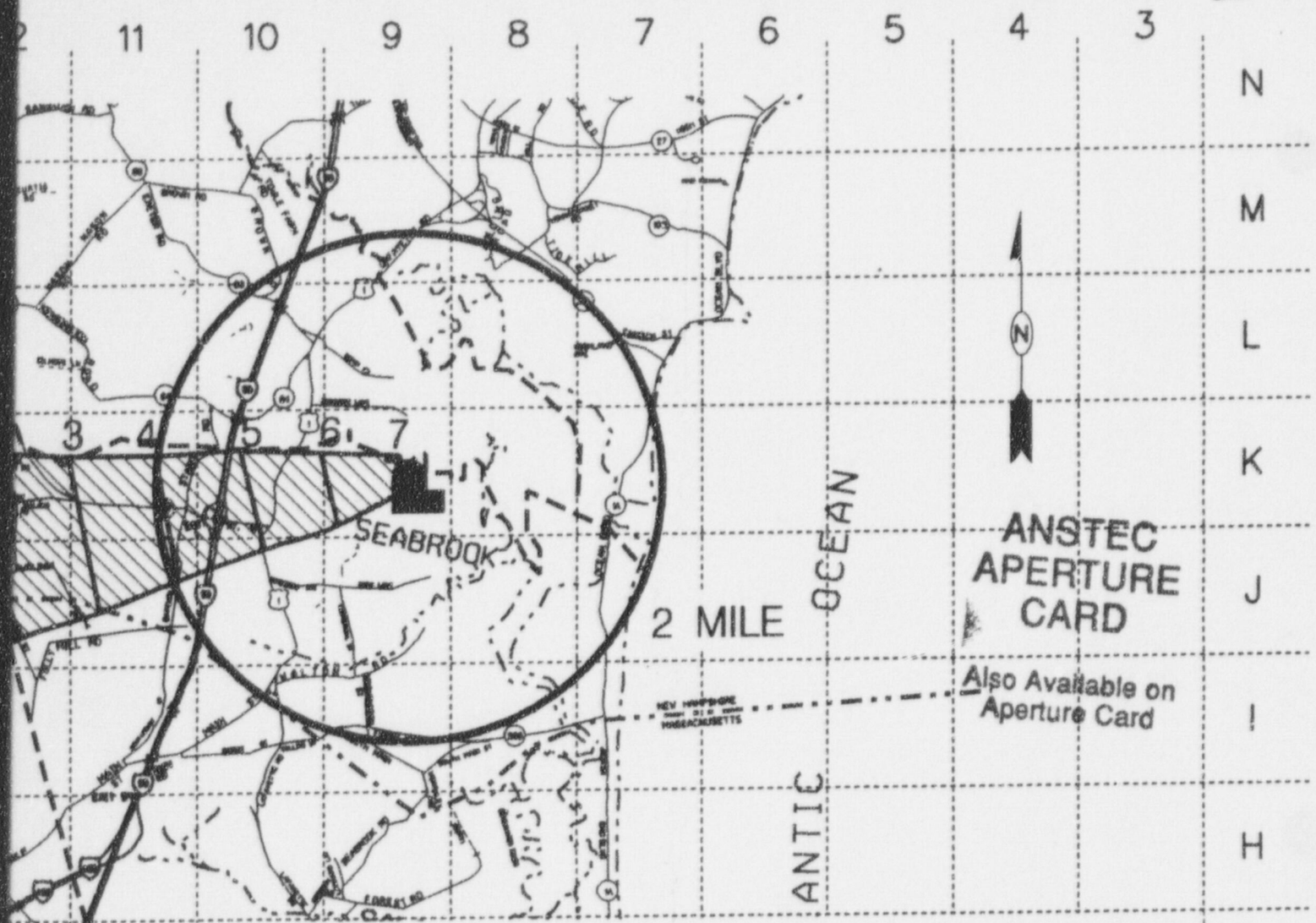
96-GRADED EXERCISE
EPLAN\E100194.DGN

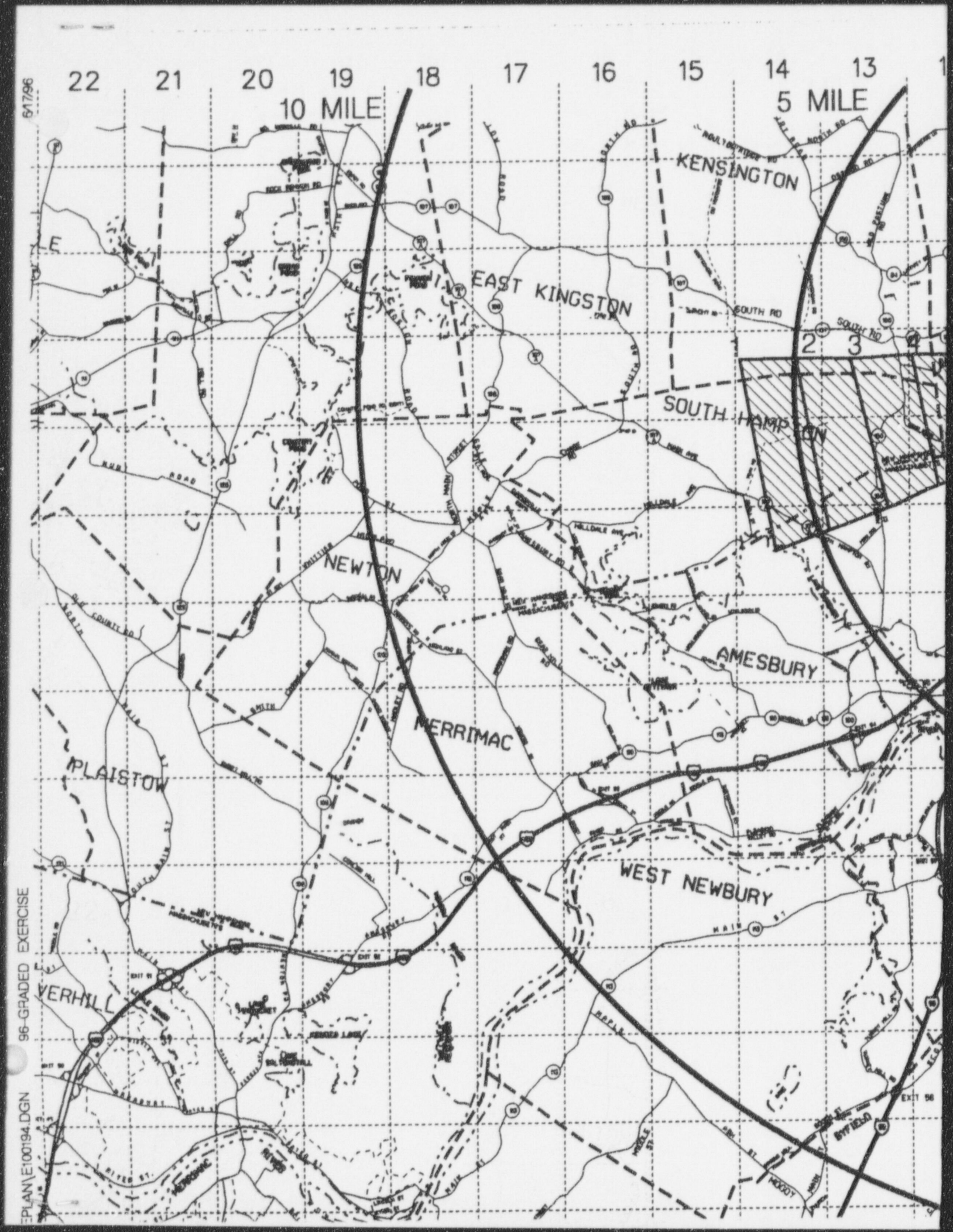


ANSTEC APERTURE CARD

Also Available on Aperture Card

Time 1245 Location	Center Line D/R Open mR/hr	Center Line D/R Closed mR/hr	Ground D/R Open mR/hr	Ground D/R Closed mR/hr	Edge of Plume D/R Open mR/hr	Edge of Plume D/R Closed mR/hr	Air Sample Part cpm	Air Sample Iodine cpm	Smears cpm/ 100 cm2	Increment Exposure mR/15 min
1	0	0	0	0	0	0	0	5	60	0
2	0	0	0	0	0	0	0	5	85	0
3	0	0	0	0	0	0	0	5	330	0
4	0	0	0	0	0	0	0	10	1,235	0
5	0	0	0	0	0	0	0	15	2,060	0
6	5	0	5	0	0	0	5	40	6,180	0
7	75	40	75	40	5	0	85	1,720	>50,000	15

9611190044-03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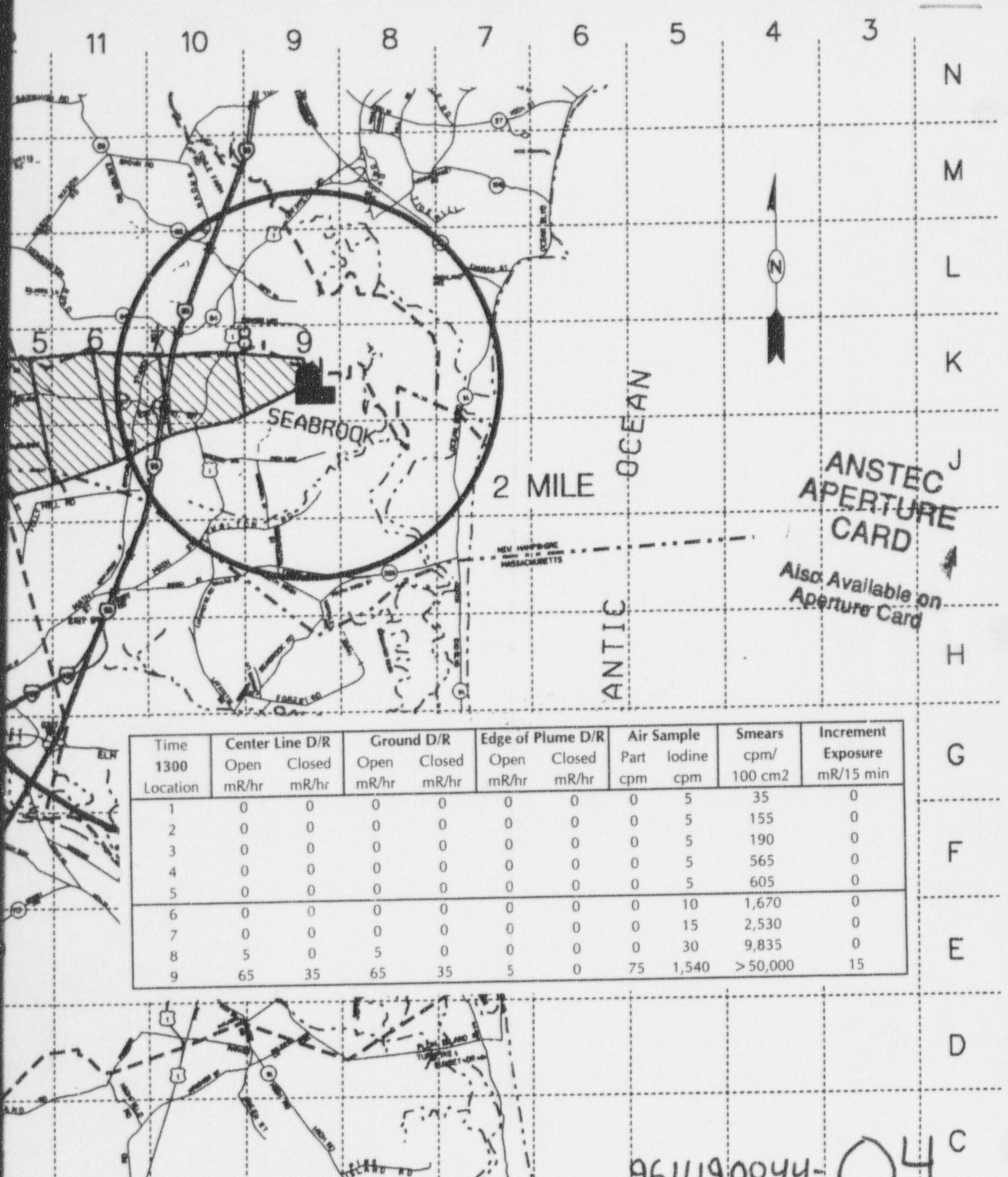
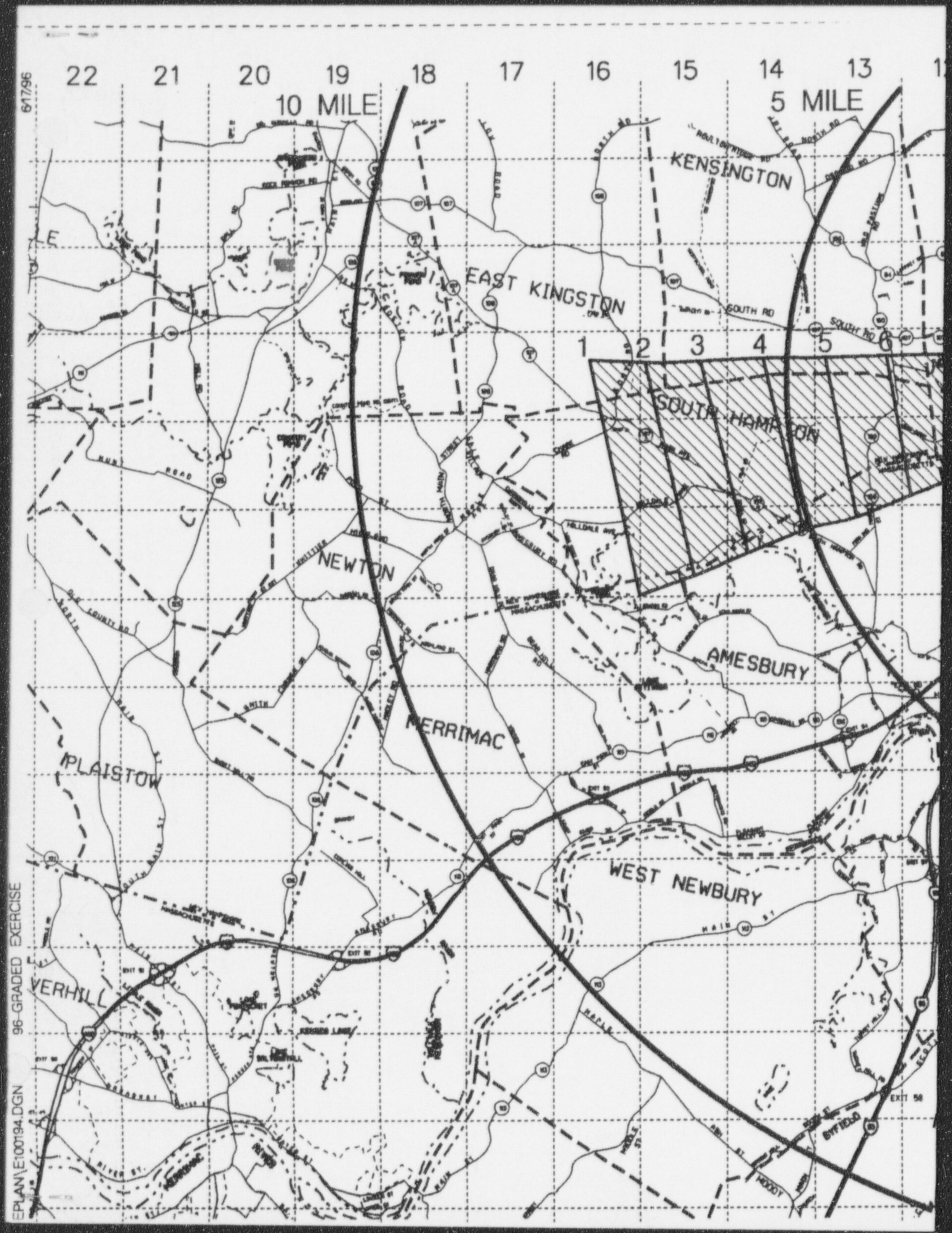


Time 1300 Location	Center Line D/R Open mR/hr	Center Line D/R Closed mR/hr	Ground D/R Open mR/hr	Ground D/R Closed mR/hr	Edge of Plume D/R Open mR/hr	Edge of Plume D/R Closed mR/hr	Air Sample Part cpm	Air Sample Iodine cpm	Smears cpm/ 100 cm2	Increment Exposure mR/15 min
1	0	0	0	0	0	0	0	5	35	0
2	0	0	0	0	0	0	0	5	155	0
3	0	0	0	0	0	0	0	5	190	0
4	0	0	0	0	0	0	0	5	565	0
5	0	0	0	0	0	0	0	5	605	0
6	0	0	0	0	0	0	0	10	1,670	0
7	0	0	0	0	0	0	0	15	2,530	0
8	5	0	5	0	0	0	0	30	9,835	0
9	65	35	65	35	5	0	75	1,540	> 50,000	15



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96-GRADED EXERCISE

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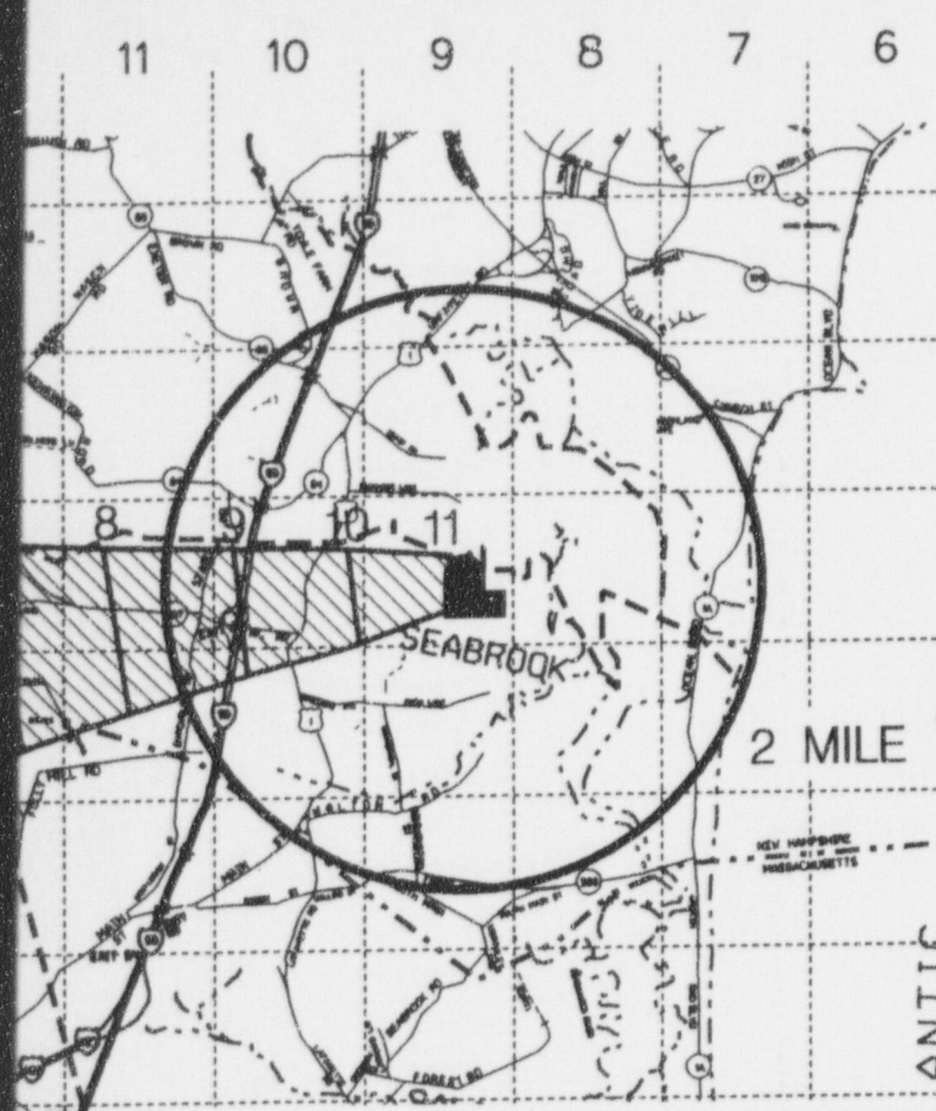

Time 1315 Location	Center Line D/R Open mR/hr	Center Line D/R Closed mR/hr	Ground D/R Open mR/hr	Ground D/R Closed mR/hr	Edge of Plume D/R Open mR/hr	Edge of Plume D/R Closed mR/hr	Air Sample Part cpm	Air Sample Iodine cpm	Smears cpm/ 100 cm2	Increment Exposure mR/15 min
1	0	0	0	0	0	0	0	0	30	0
2	0	0	0	0	0	0	0	0	80	0
3	0	0	0	0	0	0	0	0	175	0
4	0	0	0	0	0	0	0	5	250	0
5	0	0	0	0	0	0	0	5	335	0
6	0	0	0	0	0	0	0	5	425	0
7	0	0	0	0	0	0	0	5	750	0
8	0	0	0	0	0	0	0	5	1,035	0
9	0	0	0	0	0	0	0	10	2,440	0
10	5	0	5	0	0	0	0	30	12,540	0
11	60	30	60	30	5	0	70	1,400	>50,000	15

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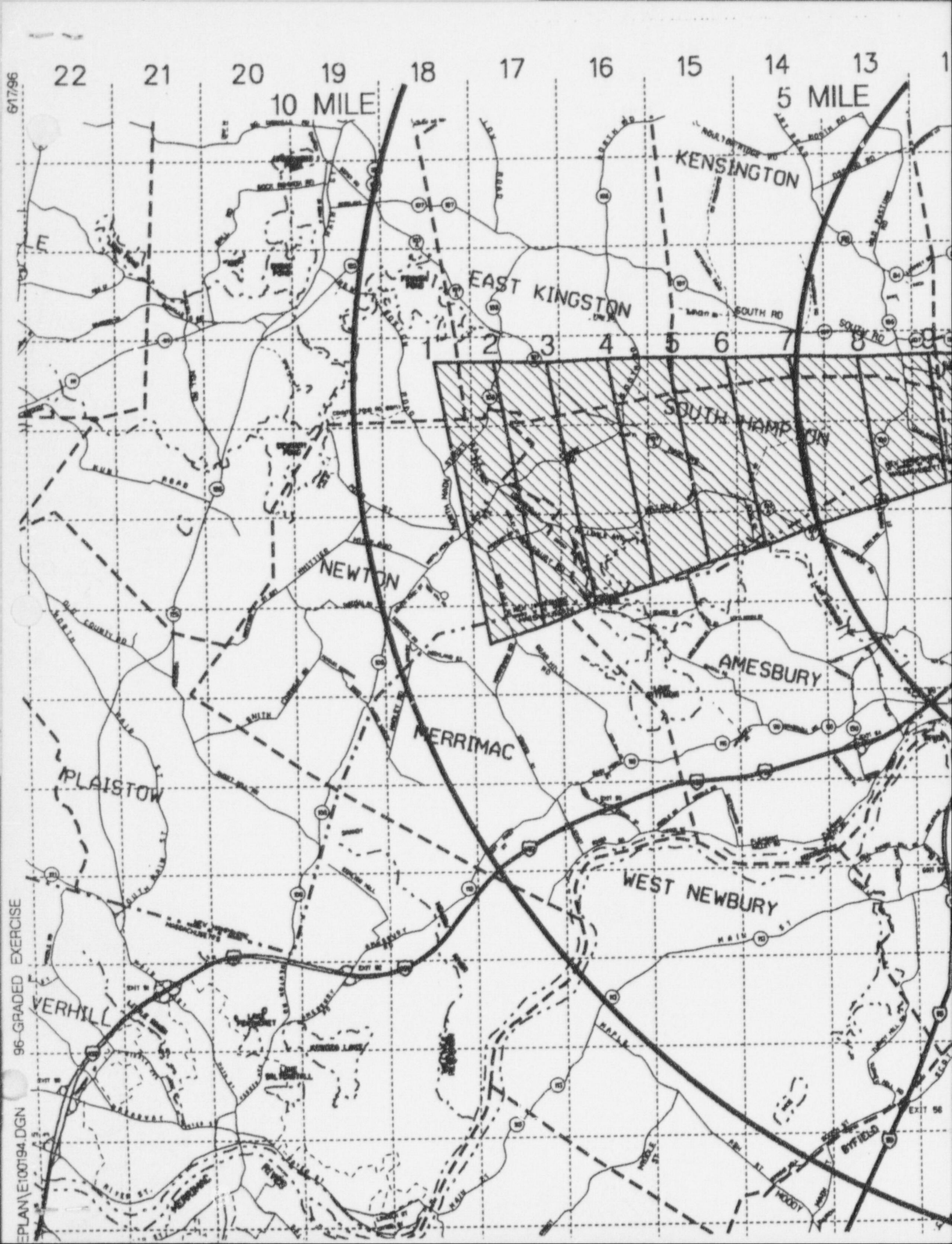
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PLAISTOW
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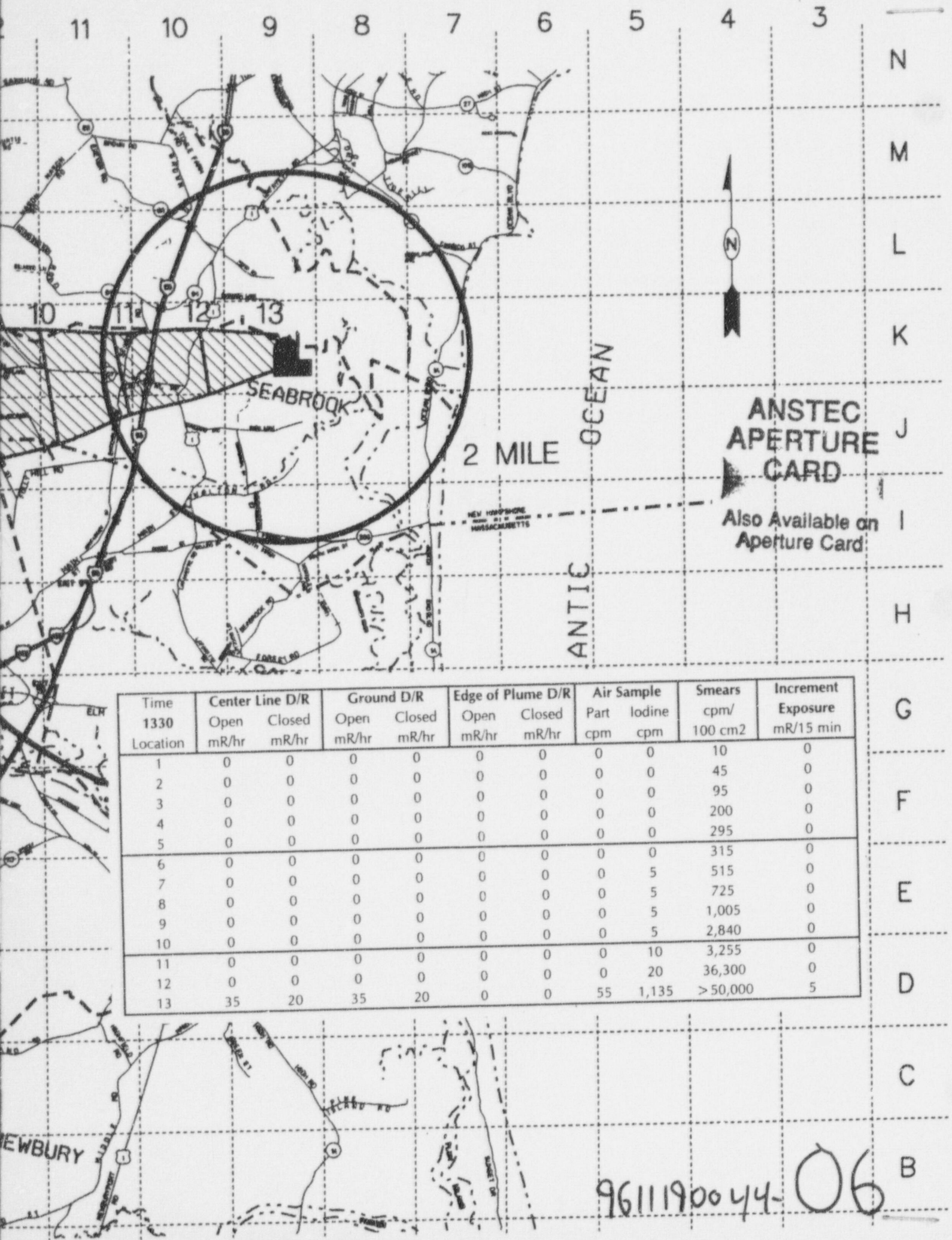
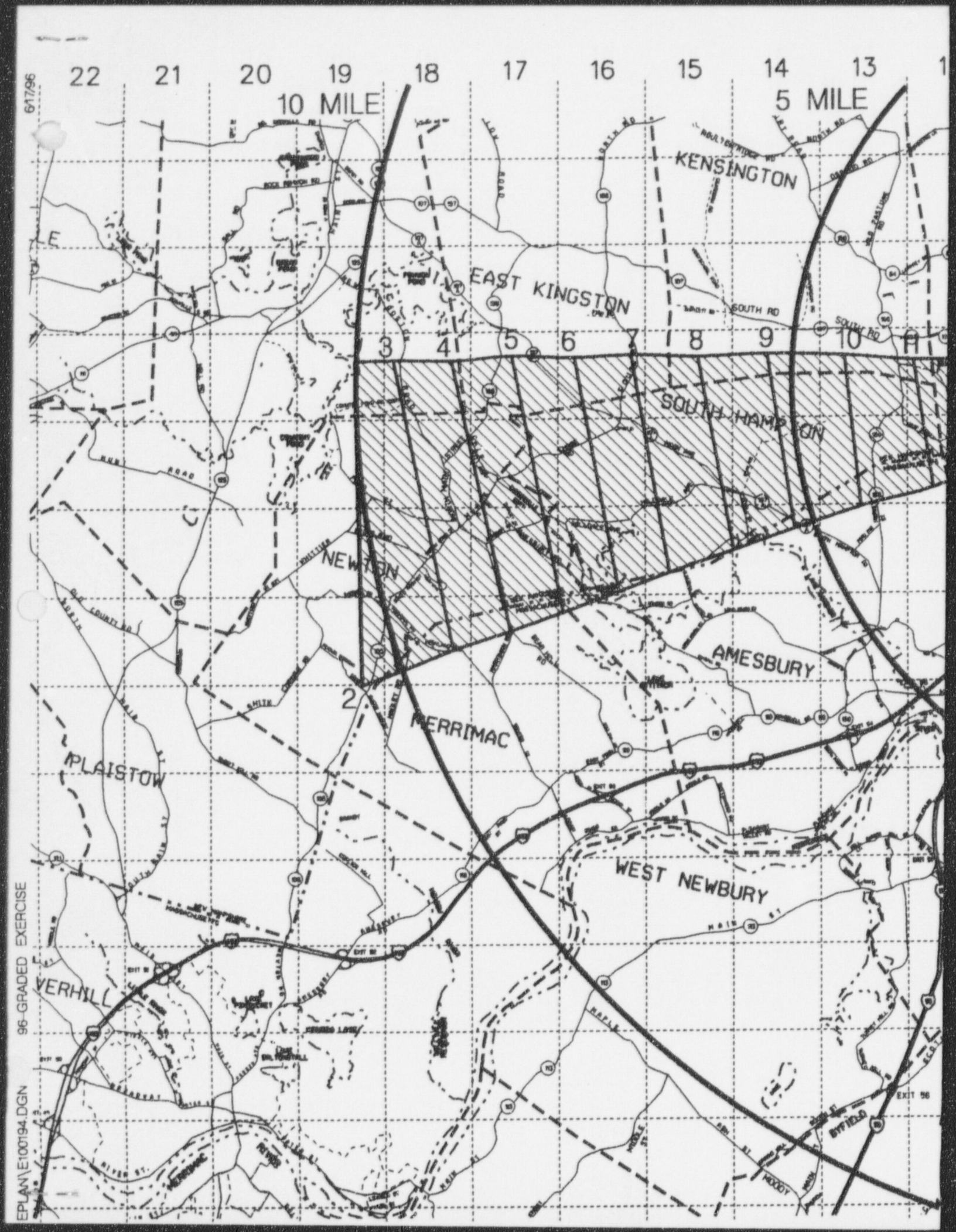
SALISBURY
EXIT 56
6/17/96
96-GRADED EXERCISE
EPLAN\E100194.DGN



Time 1330 Location	Center Line D/R Open mR/hr	Center Line D/R Closed mR/hr	Ground D/R Open mR/hr	Ground D/R Closed mR/hr	Edge of Plume D/R Open mR/hr	Edge of Plume D/R Closed mR/hr	Air Sample Part cpm	Air Sample Iodine cpm	Smears cpm/ 100 cm2	Increment Exposure mR/15 min
1	0	0	0	0	0	0	0	0	10	0
2	0	0	0	0	0	0	0	0	45	0
3	0	0	0	0	0	0	0	0	95	0
4	0	0	0	0	0	0	0	0	200	0
5	0	0	0	0	0	0	0	0	295	0
6	0	0	0	0	0	0	0	0	315	0
7	0	0	0	0	0	0	0	5	515	0
8	0	0	0	0	0	0	0	5	725	0
9	0	0	0	0	0	0	0	5	1,005	0
10	0	0	0	0	0	0	0	5	2,840	0
11	0	0	0	0	0	0	0	10	3,255	0
12	0	0	0	0	0	0	0	20	36,300	0
13	35	20	35	20	0	0	55	1,135	> 50,000	5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EXIT 56
96-GRADED EXERCISE
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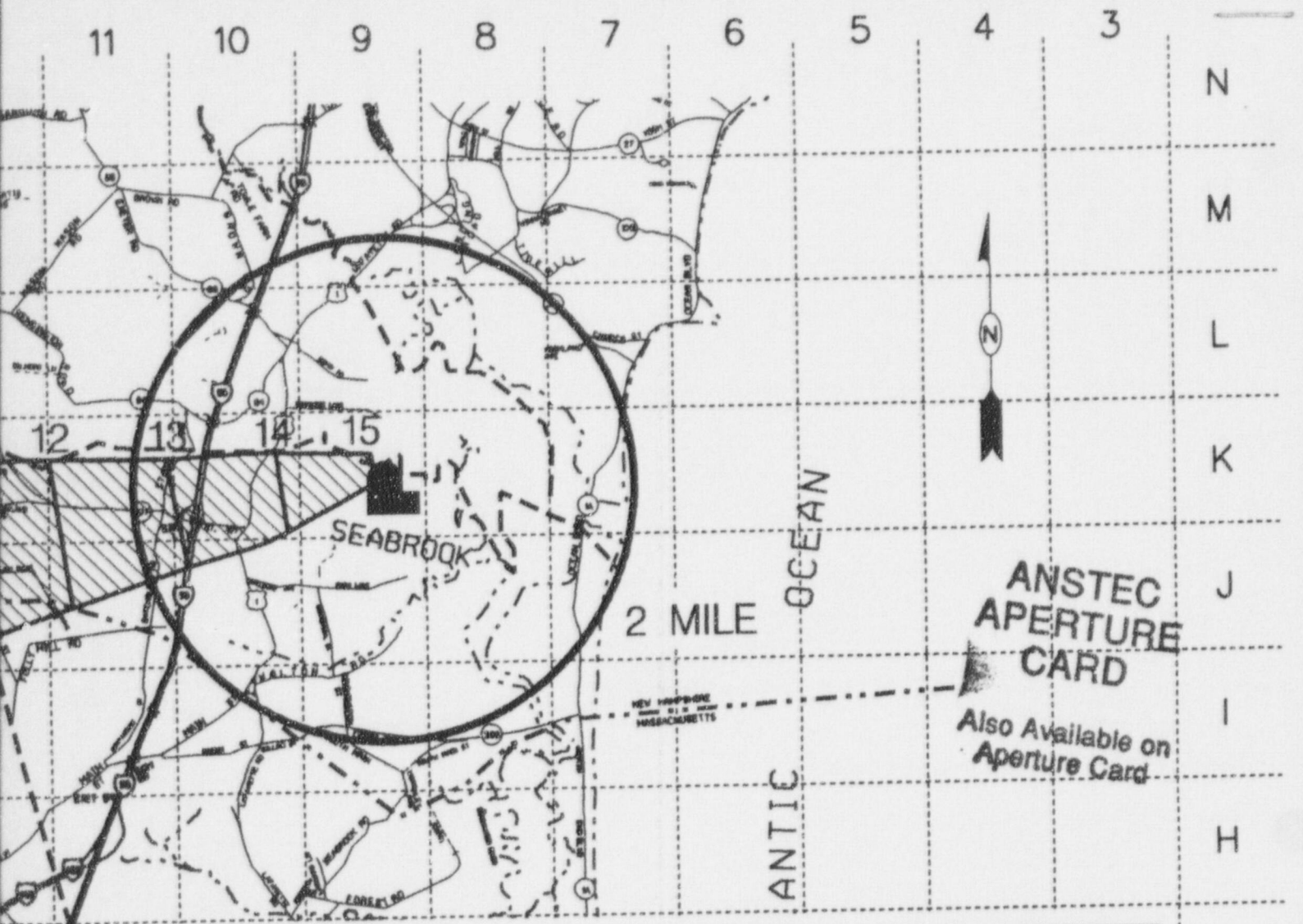

Time 1345 Location	Center Line D/R Open mR/hr	Center Line D/R Closed mR/hr	Ground D/R Open mR/hr	Ground D/R Closed mR/hr	Edge of Plume D/R Open mR/hr	Edge of Plume D/R Closed mR/hr	Air Sample Part cpm	Air Sample Iodine cpm	Smears cpm/ 100 cm2	Increment Exposure mR/15 min
3	0	0	0	0	0	0	0	0	25	0
4	0	0	0	0	0	0	0	0	100	0
5	0	0	0	0	0	0	0	0	125	0
6	0	0	0	0	0	0	0	0	170	0
7	0	0	0	0	0	0	0	0	350	0
8	0	0	0	0	0	0	0	0	390	0
9	0	0	0	0	0	0	0	0	660	0
10	0	0	0	0	0	0	0	5	785	0
11	0	0	0	0	0	0	0	5	915	0
12	0	0	0	0	0	0	0	5	1,785	0
13	0	0	0	0	0	0	0	10	3,125	0
14	0	0	0	0	0	0	0	20	28,600	0
15	35	15	35	15	0	0	55	1,090	> 50,000	5


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EXIT 56
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96-GRADED EXERCISE
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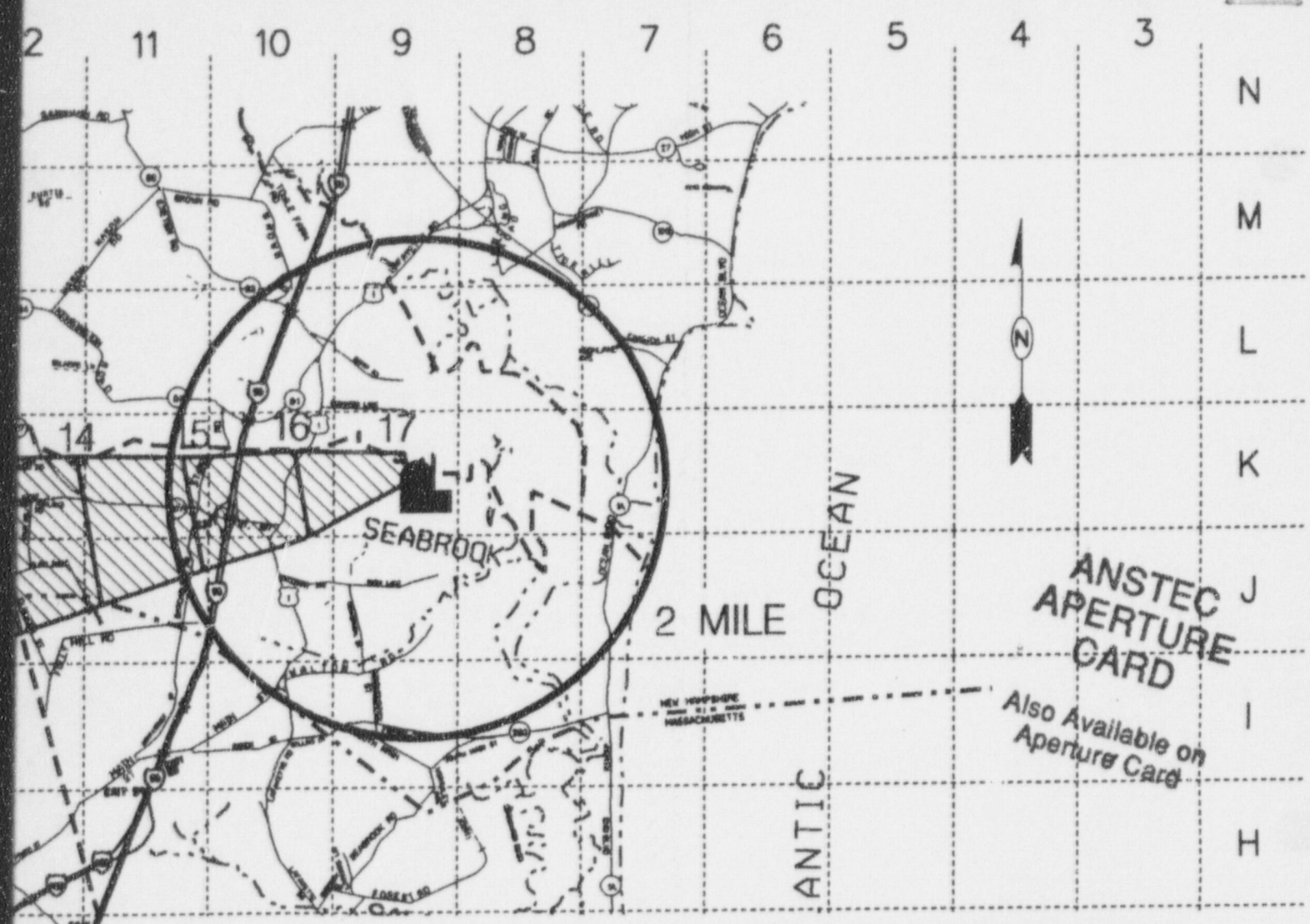

Time 1400 Location	Center Line D/R Open mR/hr	Center Line D/R Closed mR/hr	Ground D/R Open mR/hr	Ground D/R Closed mR/hr	Edge of Plume D/R Open mR/hr	Edge of Plume D/R Closed mR/hr	Air Sample Part cpm	Air Sample Iodine cpm	Smears cpm/ 100 cm2	Increment Exposure mR/15 min
5	0	0	0	0	0	0	0	0	80	0
6	0	0	0	0	0	0	0	0	120	0
7	0	0	0	0	0	0	0	0	140	0
8	0	0	0	0	0	0	0	0	220	0
9	0	0	0	0	0	0	0	0	225	0
10	0	0	0	0	0	0	0	0	420	0
11	0	0	0	0	0	0	0	0	715	0
12	0	0	0	0	0	0	0	0	1,085	0
13	0	0	0	0	0	0	0	5	955	0
14	0	0	0	0	0	0	0	5	2,100	0
15	0	0	0	0	0	0	0	10	3,345	0
16	0	0	0	0	0	0	0	20	37,400	0
17	35	15	35	15	0	0	55	1,060	> 50,000	5


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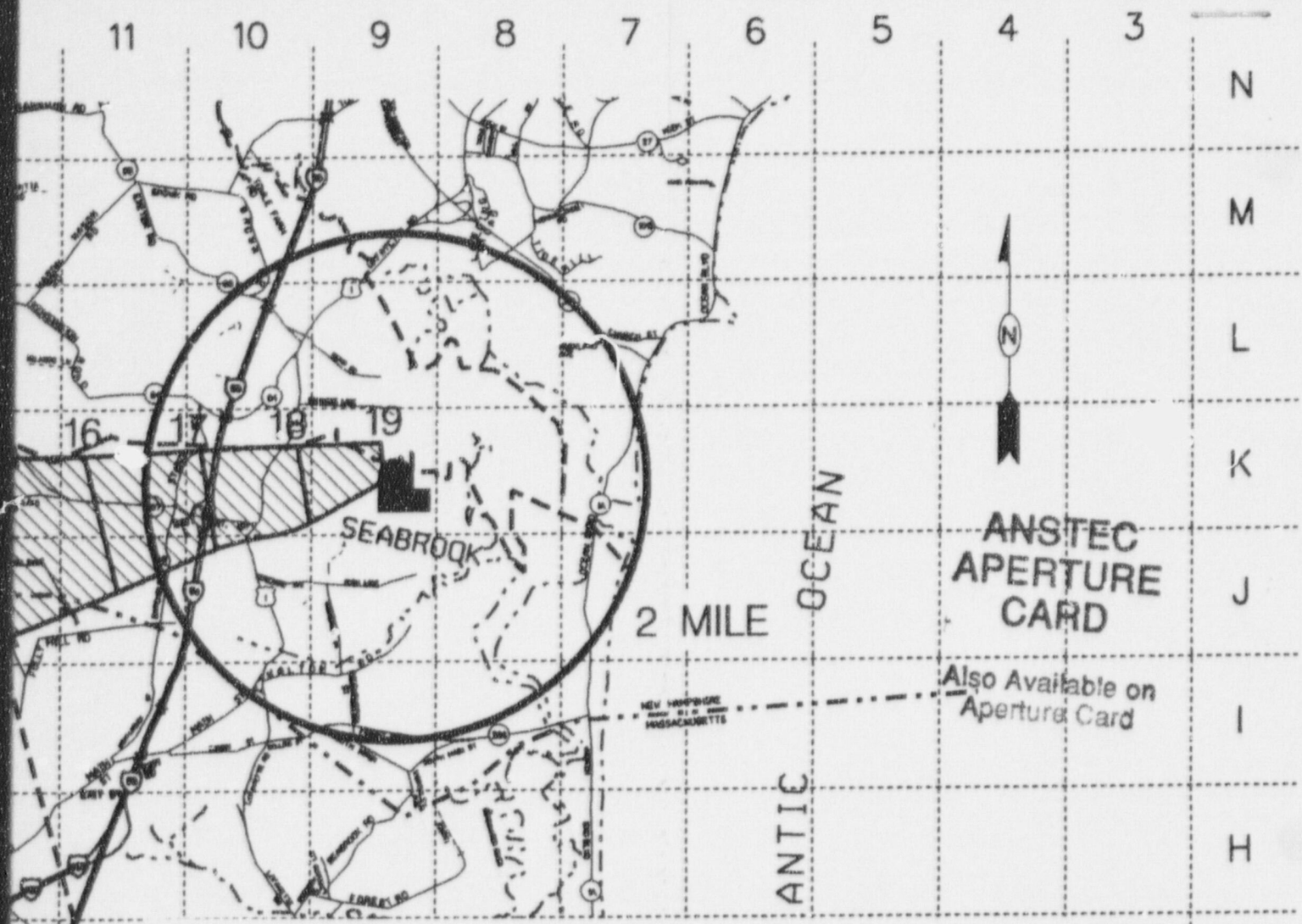

Time 1415 Location	Center Line D/R Open mR/hr	Center Line D/R Closed mR/hr	Ground D/R Open mR/hr	Ground D/R Closed mR/hr	Edge of Plume D/R Open mR/hr	Edge of Plume D/R Closed mR/hr	Air Sample Part cpm	Air Sample Iodine cpm	Smears cpm/ 100 cm2	Increment Exposure mR/15 min
8	0	0	0	0	0	0	0	0	100	0
9	0	0	0	0	0	0	0	0	175	0
10	0	0	0	0	0	0	0	0	200	0
11	0	0	0	0	0	0	0	0	250	0
12	0	0	0	0	0	0	0	0	420	0
13	0	0	0	0	0	0	0	0	435	0
14	0	0	0	0	0	0	0	5	925	0
15	0	0	0	0	0	0	0	5	1,210	0
16	0	0	0	0	0	0	0	5	2,905	0
17	0	0	0	0	0	0	0	10	4,050	0
18	0	0	0	0	0	0	0	25	49,940	0
19	40	20	40	20	0	0	65	1,280	>50,000	10

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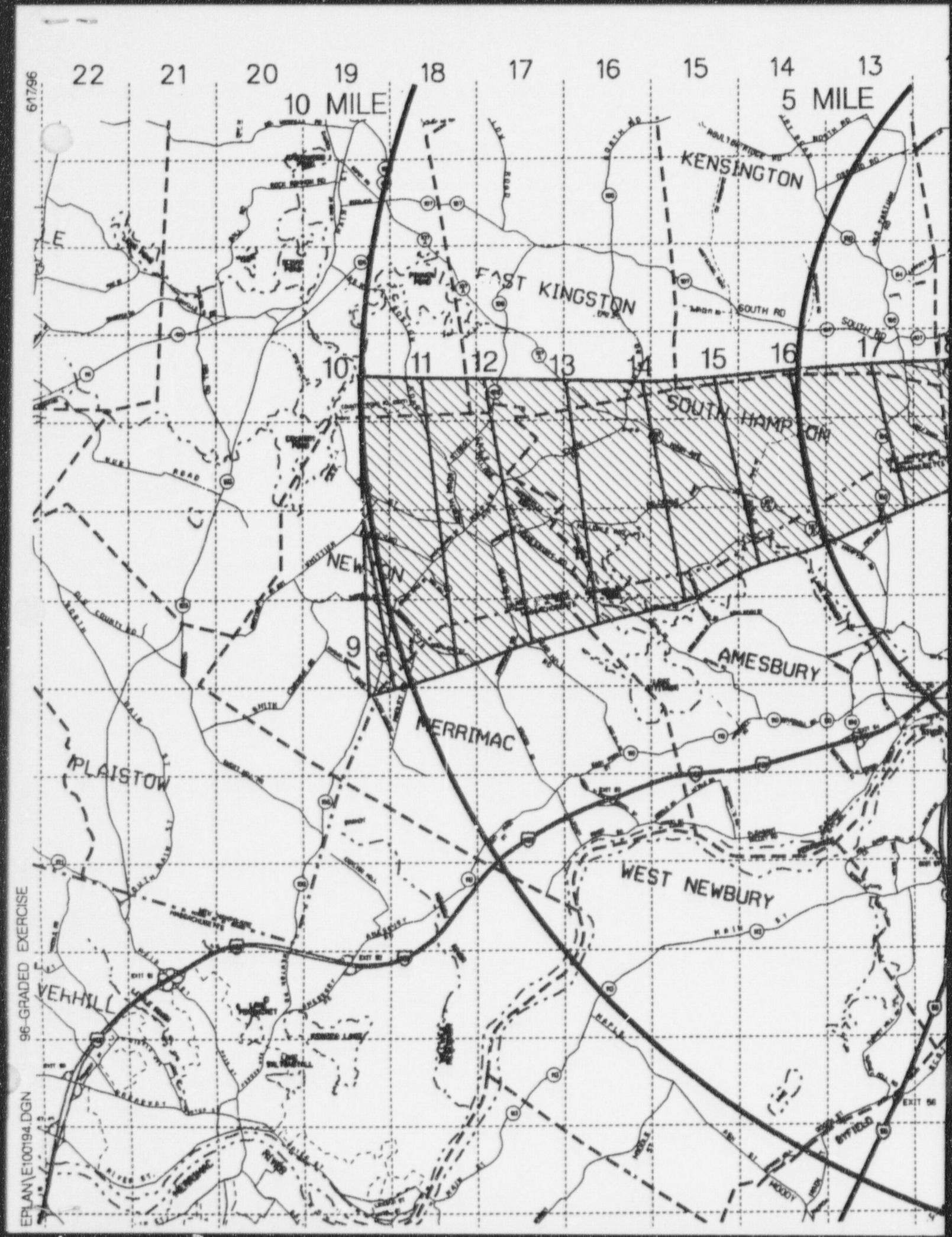
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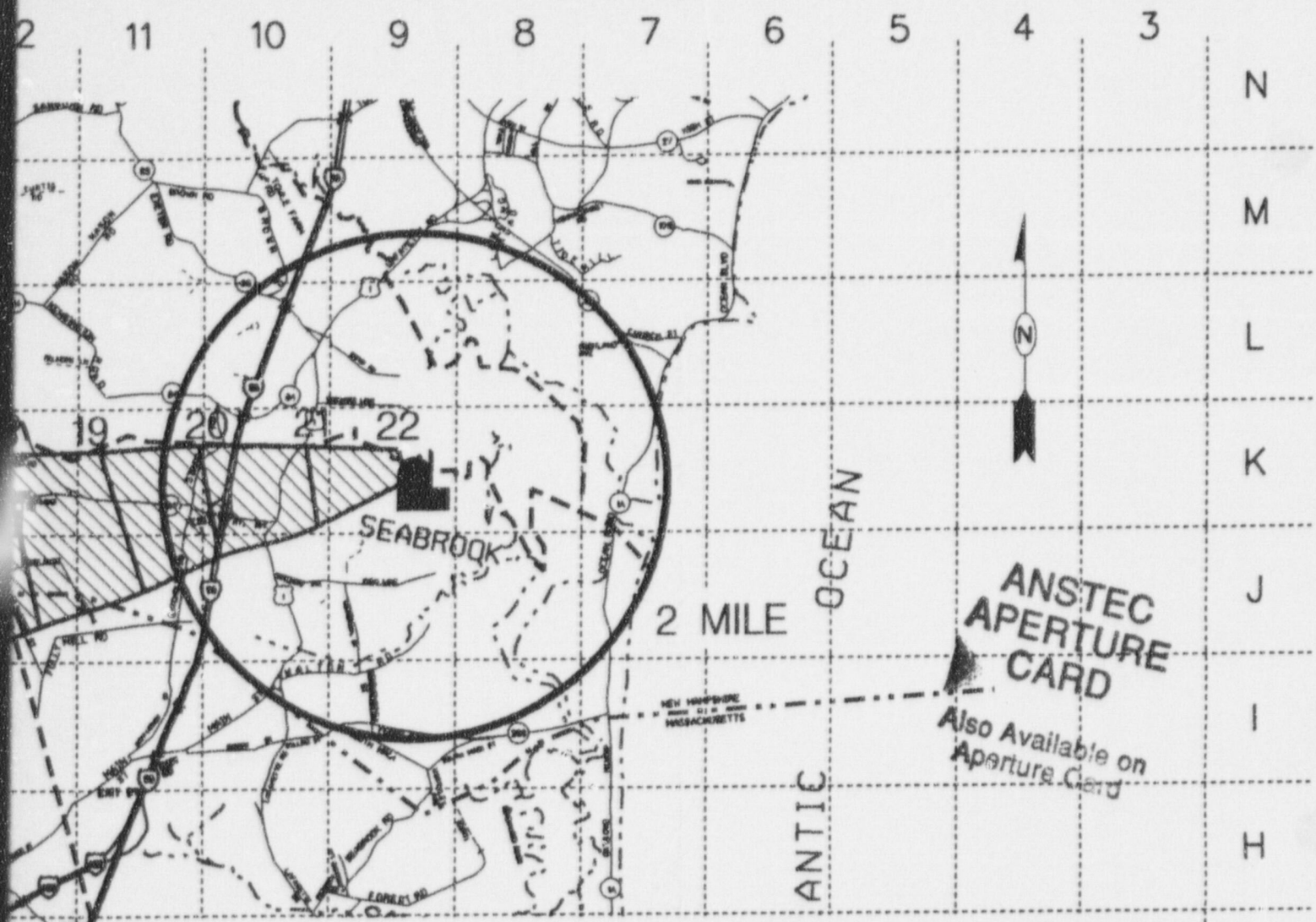
96-GRADED EXERCISE



Time 1430 Location	Center Line D/R Open mR/hr	Center Line D/R Closed mR/hr	Ground D/R Open mR/hr	Ground D/R Closed mR/hr	Edge of Plume D/R Open mR/hr	Edge of Plume D/R Closed mR/hr	Air Sample Part cpm	Air Sample Iodine cpm	Smears cpm/ 100 cm2	Increment Exposure mR/15 min
10	0	0	0	0	0	0	0	0	170	0
11	0	0	0	0	0	0	0	0	210	0
12	0	0	0	0	0	0	0	0	285	0
13	0	0	0	0	0	0	0	0	280	0
14	0	0	0	0	0	0	0	0	670	0
15	0	0	0	0	0	0	0	0	850	0
16	0	0	0	0	0	0	0	5	1,195	0
17	0	0	0	0	0	0	0	5	2,180	0
18	0	0	0	0	0	0	0	5	4,005	0
19	0	0	0	0	0	0	0	10	4,380	0
20	0	0	0	0	0	0	0	25	> 50,000	0
21	35	20	35	20	0	0	55	1,120	> 50,000	5

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