PROC. NO.	TITLE	REV.	REV DATE	DISKETT
LZP 100-1	DELETED	03	11/80	01
LZP 100-2	DELETED	04	11/80	01
LZP 100-3	DELETED	03	10/80	01
LZP 200-1	DELETED	02	11/80	01
LZP 200-2	DELETED	02	11/80	01
LZP 200-3	DELETED	02	11/80	01
LZP 200-4	DELETED	03	11/80	01
LZP 210-1	DELETED	02	10/80	01
LZP 300-1	DELETED	04	8/80	01
LZP 300-2	DELETED	03	11/80	01
LZP 310-1	DELETED	03	11/80	01
LZP 320-1	DELETED	02	10/80	01
LZP 330-1	DELETED	01	10/80	01
LZP 340-1	DELETED	01	10/80	01
LZP 350-1	DELETED	02	10/80	01
LZP 360-1	DELETED	02	10/80	01
LZP 370-1	DELETED	01	10/80	01
LZP 400-1	DELETED	02	11/80	01
LZP 400-2	DELETED	02	10/80	01
LZP 400-3	DELETED	01	11/80	01
LZP 410-1	DELETED	01	11/80	01
LZP 420-1	DELETED	01	11/80	01
LZP 510-1	DELETED	02	10/80	01
LZP 520-1	DELETED	02	10/80	01
LZP 520-2	DELETED	01	10/80	01
LZP 520-3	DELETED	01	10/80	01
LZP 530-1	DELETED	01	10/80	01

PROC. NO.	TITLE	REV.	REV DATE	DISKETT
LZP 530-2	DELETED	02	10/80	01
LZP 540-1	DELETED	01	10/80	01
LZP 700-2	DELETED	01	11/80	01
LZP 710-1	DELETED	02	10/80	01
LZP 810-1	DELETED	01	10/80	02
LZP 820-1	DELETED	01	10/80	02
LZP 830-1	DELETED	01	10/80	02
LZP 850-1	DELETED	01	10/80	02
LZP 860-1	DELETED	01	10/80	02
LZP 880-1	DELETED	01	11/80	02
LZP 1110-1	STATION DIRECTOR (ACTING STATION DIRECTOR) IMPLEMENTING PROCEDURE	03	8/81	02
LZP 1120-1	OPERATIONS DIRECTOR IMPLEMENTING DIRECTOR	02	4/81	02
LZP 1130-1	TECHNICAL DIRECTOR IMPLEMENTING PROC.	03	4/81	02
LZP 1140-1	MAINTENANCE DIRECTOR IMPLEMENTING PROCEDURE	01	11/80	02
LZP 1150-1	STORES DIRECTOR IMPLEMENTING PROCEDURE	01	11/80	02
LZP 1160-1	ADMINISTRATIVE DIRECTOR IMPLEMENTING PROCEDURE	01	11/80	02
LZP 1170-1	SECURITY DIRECTOR IMPLEMENTING PROCEDURE	02	4/81	02
LZP 1180-1	RAD/CHEM DIRECTOR IMPLEMENTING PROCEDURE	03	7/81	02
LZP 1180-2	RAD/CHEM DIRECTOR INITIATED ENVIRONMENTAL MONITORING ACTIVITIES	01	11/80	02
LZP 1200-1	CLASSIFICATIONS OF GSEP CONDITIONS	01	7/81	01
LZP 1200-2	CLASSIFICATION OF A NOBLE GAS RELEASE	00	10/80	02
LZP 1200-3	CLASSIFICATION OF AN IODINE RELEASE	00	10/80	01
LZP 1200-4	CLASSIFICATION OF A LIQUID RELEASE	00	7/81	01
LZP 1210-1	HAZARDOUS MATERIAL INCIDENTS REPORTING	00	10/80	01

PROC. NO.	TITLE	REV.	REV DATE	DISKETT
LZP 1220-1	EMERGENCY TELEPHONE NUMBER	01	5/81	01
LZP 1220-4	DELETED	01	7/81	01
LZP 1310-1	NOTIFICATIONS	00	10/80	02
LZP 1320-1	[illegible]NTATION OF PLANT STAFFING	02	6/81	02
LZP 1330-1	POST-ACCIDENT SAMPLING OF REACTOR COOLANT	01	11/80	02
LZP 1330-2	POST-ACCIDENT SAMPLING OF THE PRIMARY CONTAINMENT ATMOSPHERE FOR RADIOIDINES DETERMINATION AND PARTICULATES ALTERNATE MEANS	01	3/81	03
LZP 1330-3	POST-ACCIDENT SAMPLING OF PRIMARY CONTAINMENT ATMOSPHERE	02	3/81	03
LZP 1330-4	POST-ACCIDENT SAMPLING OF THE PLANT VENT FOR RADIOIDINES AND PARTICULATES	01	11/80	03
LZP 1330-5	POST-ACCIDENT NOBLE GAS RELEASE RATE DETERMINATION	00	11/80	03
LZP 1330-6	DELETED	01	7/81	03
LZP 1330-7	POST-ACCIDENT SAMPLING OF THE STANDBY GAS TREATMENTL (SBGT) SYSTEM EFFLUENT	01	11/80	02
LZP 1330-8	SAMPLING LIQUID PROCESS MONITORS DURING LIQUID MONITOR HIGH RADIATION ALARM CONDITIONS	00	8/81	03
LZP 1330-10	DEPLOYMENT OF THE EBERLINE SAM-2 STABILIZED ASSAY METER	00	11/80	03
LZP 1330-20	POST-ACCIDENT ANALYSIS OF BARON (BACKUP PROCEDURE)	00	3/81	03
LZP 1330-21	POST-ACCIDENT ANALYSIS OF CHLORIDE	00	3/81	03
LZP 1330-22	CALIBRATION OF THE MODEL 10 DIONEX ION CHROMATOGRAPH	00	3/81	03
LZP 1330-23	DETERMINATION OF REACTOR COOLANT PH, CONDUCTIVITY AND DISSOLVED OXYGEN CONCENTRATION AT THE HIGH RADIATION SAMPLE SYSTEM	00	0/00	03

PROC. NO.	TITLE	REV.	REV DATE	DISKETT
LZP 1330-24	DETERMINATION OF REACTOR COOLANT HYDROGEN CONCENTRATION AT THE HIGH RADIATION SAMPLING SYSTEM	00	0/00	03
LZP 1330-25	OBTAINING A REACTOR COOLANT GRAB SAMPLE SYSTEM	00	0/00	03
LZP 1330-26	POST-ACCIDENT CONTAINMENT AIR SAMPLING	00	0/00	03
LZP 1330-27	SAMPLING OF REACTOR COOLANT OFF-GAS AT THE HIGH RADIATION SAMPLE SYSTEM	00	0/00	03
LZP 1330-28	SAMPLING OF RADIOACTIVE WASTE LIQUIDS	00	0/00	03
LZP 1330-29	SAMPLING AT THE HIGH RADIATION SAMPLING SYSTEM (VALVE OPERATION AT THE VALVE CONTROL PANEL)	00	0/00	03
LZP 1330-30	TRANSFER OF WASTE FROM THE HRSS WASTE TANK AND WASTE PUMP	00	0/00	03
LZP 1340-1	IMPLEMENTING PROCEDURE FOR FIRE: FIRE MARSHALL	00	10/80	02
LZP 1340-2	IMPLEMENTING PROCEDURE FOR FIRE: FIRE CHIEF (DESIGNATED SHIFT FOREMAN)	00	10/80	02
LZP 1340-3	IMPLEMENTING PROCEDURE FOR FIRE: FIRE OFFICER #1 (COGNIZANT MAINTENANCE FOREMAN)	00	10/80	02
LZP 1340-4	IMPLEMENTING PROCEDURE FOR FIRE: FIRE BRIGADE	00	10/80	02
LZP 1340-5	IMPLEMENTING PROCEDURE FOR FIRE: FIRE COMPANY NO. 1 (MAINTENANCE PERSONNEL)	01	8/81	02
LZP 1360-1	PROTECTIVE MEASURES FOR ON-SITE PERSONNEL	03	7/81	02
LZP 1360-2	USE OF POTASSIUM IODIDE (KI) AS A THYROID BLOCKING AGENT	00	7/81	03
LZP 1370-1	RESCUE	00	10/80	02
LZP 1370-2	PERSONNEL INJURIES	01	11/80	02
LZP 1370-3	FIRST AID, DECONTAMINATION AND EVACUATION OF EXPOSED AND/OR CONTAMINATED CASUALTIES	00	10/80	02
LZP 1380-1	CONTROL OF OIL SPILLS	00	10/80	02

PROC. NO.	TITLE	REV.	REV DATE	DISKETT
LZP 1420-1	ROLE AND STAFFING OF THE ON-SITE TSC	01	11/80	02
LZP 1430-1	ROLE AND STAFFING OF THE ON-SITE OSC	02	4/81	02
LZP 1440-1	ON-SITE GSEP COMMUNICATIONS SYSTEMS	01	6/81	02
LZP 1450-1	DELETED	01	7/81	02
LZP 1450-2	DELETED	01	7/81	01
LZP 1510-1	GSEP OPERATIONAL READINESS	00	10/80	01
LZP 1520-1	TRAINING REQUIREMENTS	00	10/80	02
LZP 1530-1	EXERCISES AND DRILLS	01	8/81	02
LZP 1550-1	FIRST AID FACILITIES MONTHLY SURVEILLANCE	01	7/81	02
LZP 1550-2	ENVIRONS SAMPLING SUPPLIES INVENTORY	02	7/81	01
LZP 1550-3	DECONTAMINATION FACILITIES MONTHLY SURVEILLANCE	01	5/81	02
LZP 1550-4	ST. MARY'S HOSPITAL HEALTH PHYSICS SUPPLIES QUARTERLY SURVEILLANCE	01	7/81	02
LZP 1550-5	TECHNICAL SUPPORT CENTER MONTHLY SURVEILLANCE	01	7/81	01
LZP 1550-6	OPERATIONAL SUPPORT CENTER MONTHLY SURVEILLANCE	01	7/81	01
LZP 1550-7	EMERGENCY OPERATIONS FACILITY MONTHLY SURVEILLANCE	01	3/81	01
LZP 1550-8	NUCLEAR ACCIDENT REPORTING SYSTEM (NARS) MONTHLY SURVEILLANCE	02	7/81	02
LZP 1550-9	SPECIAL TLD QUARTERLY SURVEILLANCE	01	7/81	03
LZP 1550-10	ENVIRONMENTAL SURVEILLANCE STATIONS	00	7/81	02
LZP 1610-1	RECOVERY AND RE-ENTRY PLANS	00	10/80	01
LZP 1700-1	GSEP STATION GROUP DIRECTORY	03	7/81	01
LZP 1700-2	STATION EMPLOYEE LIST	01	7/81	01
LZP 1700-3	STATION PHONE LIST	01	5/81	03

STATION DIRECTOR
(ACTING STATION DIRECTOR)
IMPLEMENTING PROCEDURE

A. PURPOSE

The purpose of this procedure is to outline the method used to implement the Station Director's duties.

B. REFERENCES

1. Generating Stations Emergency Plan (GSEP).
2. LZP 1200-1, "Classification of GSEP Conditions."
3. LZP 1200-2, "Classification of a Noble Gas Release."
4. LZP 1200-3, "Classification of an Iodine Release."
5. LZP 1200-4, "Classification of a Liquid Release."
6. LZP 1310-1, "Notifications."
7. LZP 1320-1, "Augmentation of Plant Staffing."
8. LZP 1440-1, "On-Site GSEP Communication System."
9. LZP 1700-2, "Station Employee List."
10. LZP 1700-1, "GSEP Station Group Directory."
11. LAP 900-14, "Fire Protection Program."
12. LZP 1360-1, "Protective Measures for On-site Personnel."
13. USNRC Audit Report 50-373/81-14 and 50-374/81-09 (AIR 1-81-317).

C. PREREQUISITES

1. None.

D. PRECAUTIONS

1. None.

E. LIMITATIONS AND ACTIONS

1. Station Director's responsibilities.

   a. SUPERVISE and DIRECT the GSEP Station Group in organizing and coordinating on-site emergency efforts and preparedness (as well as directing all other plant activities).

   b. KEEP the GSEP Command Center Director fully informed of the status of the emergency and the measures being taken to deal with the emergency.

   c. Establish agreements required by GSEP Section 8.1.3 for the services specified in GSEP Section 4.6 and LaSalle Annex Section 4.2 unless another Director has been assigned the responsibility of obtaining this agreement.

2. Initial notification by:

   a. Shift Supervisor.

   b. Senior Nuclear Station Operator.

   c. Activation Phone List (See Reference 7).

3. The Acting Station Director shall perform the duties of the Station Director until he has been properly relieved of his GSEP duties by the Station Director or his alternate. This may be accomplished by telephone from the Technical Support Center.

4. The Acting Station Director cannot delegate to any individual the responsibility of recommending protective actions to off-site agencies.

5. The Station Director can delegate the transmission of the recommended actions to off-site agencies, but he alone must determine what actions should be recommended.

F. PROCEDURE

1. FULFILL responsibilities of Station Director. GSEP Station Director (Acting Station Director) Actions

(Attachment A) may be used as a guide to implement duties.

2. In the event of a fire, REFER also to GSEP Station Director Actions: Fire Emergency (Attachment B).

G. CHECKLISTS

1. None.

H. TECHNICAL SPECIFICATION REFERENCES

1. None.

ATTACHMENT A

GSEP STATION DIRECTOR
(ACTING STATION DIRECTOR) ACTIONS

NOTE

This checklist is provided solely for the convenience of the Station Director. It is not necessary to follow this checklist step by step. Its completion is not required and its use is determined by the Station Director.

1. OBTAIN information as required from:

   a. Shift Engineer.

   b. Rad/Chem Department.

2. CATEGORIZE incident (See LZP 1200-1, "Classification of GSEP Conditions"; LZP 1200-2, "Classification of a Noble Gas Release"; LZP 1200-3, "Classification of an Iodine Release"; and LZP 1200-4, "Classification of a Liquid Release."):

   a. Transportation Accident.

   b. Unusual Event.

   c. Alert.

   d. Site Emergency.

   e. General Emergency.

3. PERFORM the following actions.

   a. For a TRANSPORTATION ACCIDENT condition.

      1) DECLARE Transportation Accident condition.

      2) COMPLETE appropriate sections of the NARS form.

      3) NOTIFY System Power Supply Load Dispatcher.

4) ACTIVATE GSEP Station Group as deemed necessary (See LZP 1320-1, "Augmentation of Plant Staffing."

a) GSEP Pagers during normal working hours.

b) LZP 1320-1 Attachment B during OFF-hours.

5) DISPATCH personnel for evaluation, if deemed necessary.

6) DIRECT the Rad/Chem Technicians (RCT's) to take surveys or perform sample collections as deemed necessary (See Attachment D for guidance in prioritizing the collection of samples).

7) NOTIFY the NRC Region III and NRC Operations Center, Bethesda, Maryland. (See LZP 1310-1, "Notifications" and LZP 1440-1, "On-Site GSEP Communication System.")

b. For an UNUSUAL EVENT condition.

1) DECLARE an Unusual Event condition.

2) COMPLETE appropriate sections of the NARS form.

3) NOTIFY System Power Supply Load Dispatcher.

4) ACTIVATE GSEP Station Group as deemed appropriate (See LZP 1320-1, "Augmentation of Plant Staffing.").

5) DIRECT the Rad/Chem Technicians (RCT's) to take surveys or perform sample collections as deemed necessary (See Attachment D for guidance in prioritizing the collection of samples).

6) NOTIFY the NRC Region III and NRC Operations Center, Bethesda, Maryland. (See LZP 1310-1, "Notifications" and LZP 1440-1, "On-Site GSEP Communication System.")

c. For an ALERT condition.

1) DECLARE Alert conditions.

2) COMPLETE appropriate sections of the NARS form.

3) NOTIFY System Power Supply Load Dispatcher.

4) ACTIVATE those parts of the GSEP Station Group needed to meet the emergency (See LZP 1320-1, "Augmentation of Plant Staffing."

5) ACTIVATE the on-site Technical Support Center (TSC) and the on-site Operational Support Center (OSC).

NOTE

The Station Director, not the Acting Station Director, should report to, and assume command of, the Technical Support Center (TSC) upon its activation.

6) DIRECT the Rad/Chem Technicians (RCT's) to take surveys or perform sample collections as deemed necessary (See Atttachment D for guidance in prioritizing the collection of samples).

7) NOTIFY the NRC Region III and NRC Operations Center, Bethesda, Maryland. (See LZP 1310-1, "Notifications" and LZP 1440-1, "On-Site GSEP Communication System.")

d. For a SITE EMERGENCY condition.

1) DECLARE Site Emergency condition.

2) COMPLETE appropriate sections of the NARS form.

3) NOTIFY System Power Supply Load Dispatcher.

4) NOTIFY the NRC Region III and NRC Operations Center, Bethesda, Maryland. (See LZP 1310-1, "Notifications" and LZP 1440-1, "On-Site GSEP Communication System.")

5) DIRECT the Rad/Chem Technicians (RCT's) to take surveys or perform sample collections as deemed necessary (See Attachment D for guidance in prioritizing the collection of samples).

6) ACTIVATE the GSEP Station Group within 60 minutes (See LZP 1320-1, "Augmentation of Plant Staffing."

7) ACTIVATE the on-site Technical Support Center (TSC) and the On-Site Operational Support Center (OSC) within 60 minutes.

NOTE

The Station Director, not the Acting Station Director, should report to, and assume command of, the Technical Support Center (TSC) upon its activation.

8) DISPATCH personnel for environs monitoring if required (within 60 minutes).

9) CALL IN additional personnel as necessary (within 60 minutes).

10) EVACUATE all non-essential personnel for Site and General Emergency conditions.

a) Site evacuation planned - Security Director consult with Rad/Chem Director to take actions to relocate personnel in accordance with LZP 1360-1, "Protective Measures for On-Site Personnel," beginning with step F.3.

e. For a GENERAL EMERGENCY condition.

1) DECLARE a General Emergency condition.

2) COMPLETE the appropriate section of the NARS form.

3) NOTIFY System Power Supply Load Dispatcher.

4) NOTIFY the Illinois ESDA and LaSalle County Sheriff Department (See LZP 1310-1, "Notifications") of the emergency situation and make recommendations consistent with

GSEP Tables 6.3-1, 6.3-2, and 6.3-3 (Attachment C to this procedure).

5) NOTIFY the NRC Region III and NRC Operations Center, Bethesda, Maryland. (See LZP 1310-1, "Notifications" and LZP 1440-1, "On-Site GSEP Communication System.")

6) DIRECT the Rad/Chem Technicians (RCT's) to take surveys or perform sample collections as deemed necessary (See Attachment D for guidance in prioritizing the collection of samples).

7) ACTIVATE the GSEP Station Group within 60 minutes (See LZP 1320-1, Augmentation of Plant Staffing.).

8) ACTIVATE the on-site Technical Support Center (TSC) and the on-site Operational Support Center (OSC) within 60 minutes.

NOTE

The Station Director, not the Acting Station Director, should report to, and assume command of, the Technical Support Center (TSC) upon its activation.

9) DISPATCH personnel for environs monitoring if required (within 60 minutes).

10) CALL IN additional personnel as necessary (within 60 minutes).

11) PROVIDE plant status updates to [illegible] State and local authorities until this function can be performed by the Corporate Command Center Director (See LZP 1310-1, "Notifications" and LZP 1440-1, "On-Site GSEP Communication System."

12) EVACUATE all non-essential personnel for Site and General Emergency conditions.

a) Site evacuation planned - Security Director consult with Rad/Chem Director to take actions to relocate personnel in accordance with LZP 1360-1,

"Protective Measure for On-Site Personnel," beginning with step F.3.

4. NOTIFY the following and complete the appropriate sections of the NARS form as necessary:

   a. Command Center Director; the Command Center Director is initially contacted by the System Power Supply Load Dispatcher. Unless requested by the Command Center Director, no further notification is required.

   b. Local support agencies, including ambulance service, as required in order to expedite their response to the emergency (See LZP 1700-1, "GSEP Station Group Directory").

   c. LaSalle County Sheriff during the following type GSEP events (See LZP 1310-1, "Notifications") in order to keep local authorities alerted:

      1) Bomb Threat.

      2) Fire.

      3) Flood.

      4) Civil Disturbance.

5. TSC ACTIVATION.

   a. Verify the following TSC personnel requirements as specified in Table I of LZP 1320-1 are met.

NOTE

Numbers shown are for the SITE and GENERAL EMERGENCY. Refer to Table I of LZP 1320-1 to determine TSC requirements for the UNUSUAL EVENT or ALERT condition.

      1) STATION DIRECTOR (1).

      2) OPERATIONS DIRECTOR (1).

      3) MAINTENANCE DIRECTOR (1).

4) TECHNICAL DIRECTOR (1).

5) ADMINISTRATIVE DIRECTOR (1).

6) STORES DIRECTOR (1).

7) RAD/CHEM DIRECTOR (1).

8) SECURITY DIRECTOR (1).

9) ENVIRONS DIRECTOR (1).

b. Establish on-going communications, as deemed necessary, between the following locations:

1) TSC/CONTROL ROOM.

2) TSC/NRC.

3) TSC/CCC & EOF.

4) CONTROL ROOM/OSC.

c. Notify the Shift Engineer:

1) when TSC is activated and is ready to assume responsibility for off-site communications.

2) when the Station Director assumes command (formal statement of turnover).

d. Note the name of the person in charge at the OSC and the time the OSC is activated.

1) Name of person in charge _____

2) Time activated _____

NOTE

TSC and OSC must be activated within 60 minutes for SITE or GENERAL EMERGENCY.

e. BRIEF TSC Group Directors of plant status.

f. Verify that all applicable actions and notifications of this attachment are completed.

6. PROVIDE the Command Center Director and Nuclear Regulatory Commission information as to the status of the plant as determined by the station staff.

7. In case of a hazardous material incident, including a radioactivity incident, REQUEST support personnel from the Command Center Director to assist in performing environmental surveys and PROVIDE other technical assistance during the emergency as required.

8. IMPLEMENT emergency and recovery efforts as directed by the Command Center Director.

9. ASSIGN duties as manpower becomes available.

10. REQUEST, through the Command Center, additional materials and mobile equipment from the Division Director as necessary to perform decontamination, repair, and restoration work.

11. DIRECT the Station Training staff to provide training in direct support of recovery efforts.

12. Actions required-completed as necessary.

    a. Personnel Accounting - contact Security Director.

        1) Personnel accounted for or assembled. _____

        2) Personnel missing (list).

_____ _____

_____ _____

_____ _____

    b. Injured personnel - contact Operations Director.

        1) Rad/Chem notified for first aid/survey and decontamination. _____

2) Ambulance arranged.

_____

3) Hospital arranged.

_____

4) Command Center notified.

_____

NAME	HOSPITAL	AMBULANCE
_____	_____	_____
_____	_____	_____

c. Plant Access - contact Security Director (Security Administrator).

1) Gate House secured.

_____

a) Locked by guard.

_____

b) Open to allow off-site access and notified to direct off-site assistance.

_____

d. Contact Industrial Relations regarding injuries (After incident is under control).

e. Recovery.

1) Determine extent of contamination.

a) On-site - contact Rad/Chem Director.

b) Off-site - contact Off-site Environs Director.

2) Protective - measures set for personnel.

3) Dose management set.

4) Unit status set and stable - contact Operations Director.

5) Damage estimated.

6) Development of specific recovery plan.

13. Maintain a record of the GSEP related activities.

ATTACHMENT B

GSEP STATION DIRECTOR
(ACTING STATION DIRECTOR) ACTIONS: FIRE

1. COMPLETE Attachment A of this procedure as appropriate, including:

   a. CATEGORIZE incident and implement applicable GSEP program.

   b. NOTIFY proper responsible personnel as appropriate:

      1) Station Director (to be notified by acting Station Director if Station Director is not on-site).

      2) Plant Security.

      3) Fire Marshall.

      4) Others as required.

2. The Shift Engineer will coordinate the overall fire-fighting response as follows:

   a. SOUND the fire alarm and announce fire location over station P.A. system.

   b. REQUEST the status of the Fire Brigade and Fire Company No. 1 as they are assembled.

   c. NOTIFY Fire Officer No. 1 if the Fire Brigade needs assistance from Fire Company No. 1.

   d. NOTIFY Fire Company No. 2 (Off-Site Fire Deparment) when assistance may be required (See Reference 10, LZP 1700-1, "GSEP Station Group Directory," for phone listings): Supply Fire Company No. 2 with as much pertinent information concerning the fire as necessary for their efficient response.

   e. KEEP the Fire Marshall informed of the situation.

   f. Make evaluation as to the necessity for unit shutdown.

ATTACHMENT C

GSEP GUIDELINES FOR RECOMMENDED OFFSITE
PROTECTIVE ACTIONS FOR GASEOUS PLUME EXPOSURE

CONDITION	RECOMMENDED ACTION
1. Unusual Event Alert Site Emergency	o Protective action recommendations do not relate directly to these emergency classes themselves, but to the projected offsite doses. Refer to Items #3 and #4 below.
2. General Emergency	o Because of the serious nature of this emergency class, recommend that the public be notified of the emergency situation. Recommend sheltering for a two (2) mile radius around the nuclear station, as a minimum. Make subsequent recommendations in accordance with offsite dose considerations given below.
3. Doses to the offsite public have been projected to be: —Whole body: 1 to 5 rem; and or —Thyroid: 5 to 25 rem.	o Recommend a two (2) mile radius evacuation. o Recommend seeking shelter in the three downwind 22½° standard sectors to a distance appropriate to the dose projected, normally to five (5) or ten (10) miles. o Recommend controlling access to affected areas.
4. Doses to the offsite public have been projected to be: —Whole body: greater than 5 rem; and/or —Thyroid: greater than 25 rem.	o Recommend a two (2) mile radius evacuation. o Recommend evacuation of the three downwind 22½° standard sectors to a distance appropriate to the dose projected, normally to five (5) or ten (10) miles. If the wind direction is variable, or if the start of the release is delayed, or if the duration of the release is long, the number of evacuated sectors may increase or possibly extend to a complete circle. o If a timely evacuation is not feasible(i.e., the time available before cloud arrival is short compared with the required mobilization, warning and transit time for evacuation), then recommend sheltering for affected areas (instead of evacuation). o Recommend controlling access to affected areas.

ATTACHMENT C (Cont.)

GSEP GUIDELINES FOR PROTECTION AGAINST INGESTION OF CONTAMINATION FOR THE OFFSITE PUBLIC

FOOD AND WATER CONTAMINATION

A. Derived Response Levels

		Preventive Action Levels*		
Nuclide**	Critical Organ	Milk/Water***	Total Intake via All Food and Water Pathways	Pasture Grass (Fresh weight)
I-131	Thyroid	0.012 uCi/l	0.09 uCi	0.27 uCi/kg
Cs-137	Whole Body	0.34 uCi/l	7 uCi	3.5 uCi/kg
Sr-90	Bone	0.007 uCi/l	0.2 uCi	0.7 uCi/kg
Sr-89	Bone	0.13 uCi/l	2.6 uCi	13 uCi/kg

* The preventive derived response action levels relate to a 1.5 rem projected dose commitment to the thyroid or to a 0.5 rem projected dose commitment to the whole body, bone, or any other organ. Emergency action levels are equal to ten(10) times the preventive levels and relate to either a 15 rem projected dose commitment to the thyroid or a 5 rem projected dose commitment to the whole body, bone, or any other organ.

** If other nuclides are present, use Regulatory Guide 1.109 to calculate the dose commitment to the critical organ(s). Infants are considered to be the critical segment of the population.

B. Recommended Protective Actions

Preventive Level Exceeded

- For pasture; remove lactating dairy cows from contaminated pasturage and substitute uncontaminated stored feed. Also, substitute a source of uncontaminated water.
- For milk; withhold milk from market to allow radioactive decay. Consider diversion of fluid milk for production of butter or evaporated milk.
- For fruits and vegetables; wash, brush, or scrub to remove contamination. Allow radioactive decay through canning, dehydration, or storage.
- For grains; mill and polish.

Emergency Level Exceeded

- Isolate food containing radioactive contamination to prevent its introduction into commerce and determine whether condemnation or another disposition is appropriate. Before taking this action, consider:
  - — Availability of other possible actions;
  - — Importance of particular foods in nutrition; and
  - — Time and effort required to take action.

*** The preventive action levels apply to water as well as milk; the protective action for water would be to use a suitable source of uncontaminated water.

ATTACHMENT C (Cont.)

SUMMARY OF POSSIBLE OFFSITE PROTECTIVE ACTIONS
TO BE RECOMMENDED OR IMPLEMENTED DURING AN EMERGENCY+

ACCIDENT PHASE	EXPOSURE PATHWAY	EXAMPLES OF ACTION TO BE RECOMMENDED
[1]EMERGENCY PHASE (0.5 to 30 hours)*	Inhalation of gases, radioiodine, or particulate	Evacuation, shelter, access control, respiratory protection, prophylaxis (thyroid protection)
	Direct whole body exposure	Evacuation, shelter, access control
[2]INTERMEDIATE PHASE (30 hours to 30 days)*	Ingestion of milk	Take cows off pasture, prevent cows from drinking surface water, discard contaminated milk, or divert to stored products such as cheese
	Ingestion of fruits and vegetables	Wash all produce, or impound produce, delay harvest until approved, substitute uncontaminated produce
	Ingestion of water	Cut off contaminated supplies, substitute from other sources, filter, demineralize
	Whole body exposure and inhalation	Relocation, decontamination, access control
[3]LONG TERM PHASE (over 30 days)*	Ingestion of food and water contaminated from the soil either by resuspension or uptake through roots	Decontamination, condemnation, or destruction of food; deep plowing, condemnation, or alternate use of land
	Whole body exposure from deposition material or inhalation of resuspended material	Relocation, access control, decontamination, fixing of contamination, deep plowing

[1]Emergency phase - Time period of major release and subsequent plume exposure.

[2]Intermediate phase - Time period of moderate continuous releases with plume exposure and contamination of environment.

[3]Long Term Phase - Recovery period.

*"Typical" Post-accident time periods.

+Reference: USEPA "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents," 1975.

ATTACHMENT D

1. When Control Room indicators are inoperable or offscale obtain samples as needed so that the true source term for any potential release can be determined. Obtain needed samples as expeditously as possible in accordance with priorities delineated in the following:

RELEASE POTENTIAL	Rx. COOLANT	DRYWELL	VENT STACK/ SBGT
None	1	2	3
IMMINENT	2	1	3
OCCURING	3	2	1
VERIFY STOPPED	3	2	1

SAMPLING LIQUID PROCESS MONITORS DURING LIQUID MONITOR HIGH RADIATION ALARM CONDITIONS

A. PURPOSE

The purpose of this procedure is to provide instructions for grab sampling of liquid process radiation monitors during a liquid process monitor high radiation alarm condition.

B. REFERENCES

1. LCP 140-15, "Isotopic Analysis of Water Samples Using AAIS Software."
2. LCP 410-1, "Preparation of Samples for Gamma Ray Spectrometer Measurements."
3. LCP 1200-4, "Classification of a Liquid Release."
4. AIR 1-81-363 (Commitment to NRC).

C. PREREQUISITES

1. Equipment required for every sampling evolution:
   a. Liquid process monitor vent ring.
   b. Sample collection bottle, size recommended in Step F.1.
   c. Gamma sensitive survey instrument, Eberline Model RO-3 or equivalent.
   d. Paper laboratory towels or equivalent.
2. Equipment required when sample radioactivity cannot be estimated from monitor response:
   a. A portable cart containing enough lead shielding to reduce the dose rate of the sample for safe transport to the hot lab or alternate location.
   b. Tongs for handling the radioactive sample.

c. High and low range dose rate instrumentation.

3. Obtain permission from the Shift Engineer to sample the affected liquid process monitor.

D. PRECAUTIONS

1. Wear radiation dosimetry as recommended by the Rad/Chem Department.

2. Wear protective clothing and respiratory protection as recommended by the Rad/Chem Department.

3. Continuously monitor dose rates while approaching the area of sampling.

4. Spend a minimum amount of time in the vicinity of the sampling point to keep individual dose ALARA.

E. LIMITATIONS AND ACTIONS

1. Sampling at an alarming radwaste effluent or service water liquid process radiation monitor is required by Reference 3 in order to verify monitor response and classify the liquid release. The steps in this procedure can be utilized to obtain samples from all liquid process radiation monitors listed in Attachment A under both normal operating and post-accident conditions.

2. If the monitor response is within its indicating range (10^1 to 10^6 cpm), the calculated dose rate from a 1 liter sample of the monitor's contents is less than 5 mr/hr.

3. Refer to Technical Specification 3.3.7.10 for radiation instrument monitoring requirements before removing the monitor from service for sampling.

F. PROCEDURE

1. Contact the Rad/Chem Department for recommendations as to equipment required based on the monitor response.

2. Contact the Rad/Chem Department for recommendations as to dosimetry, clothing and respiratory requirements to enter the sampling area and obtain the sample.

3. Notify the Unit Operator in the Control Room of the liquid process radiation monitor to be removed from service for sampling. Refer to Attachment A.

4. Monitor dose rates continuously as the sample area is approached and the sample is obtained.

5. Minimize the time at the sample location.

6. Secure the sample panel pump. Isolate the monitor by closing the Inlet (1) and Outlet (2) valves.

NOTE

Numbers in parentheses refer to Attachment B numbering system.

7. Check shut the vent valve (3).

8. Remove the cap from the vent valve (3) and attach the liquid process monitor vent rig.

9. Vent any residual pressure in the liquid process monitor into the vent rig by slowly opening the vent valve (3) the minimum amount necessary to achieve venting. Leave the vent valve (3) in this throttled position.

10. Flush the vent line into the vent rig through the vent valve (3) by carefully and slowly opening the Inlet valve (1). Shut the Inlet valve (1) after flushing approximately 1 liter of water into the vent rig.

NOTE

If system pressure is inadequate to flush the vent line, intermittently start and stop the sample pump to complete the flushing.

11. Disconnect the sample tubing from the vent rig and place it in the sample collection bottle.

12. Collect the liquid process monitor sample for analysis by carefully and slowly opening the Inlet valve (1). Shut the Inlet valve (1) when the sample is collected.

NOTE

If system pressure is inadequate to collect the sample, intermittently start and stop the sample pump to collect the sample.

13. Return the liquid process monitor to service in accordance with the following:

    a. Connect the sample tubing, disconnected in Step F.11., to the vent rig.

    b. Slowly open the Inlet valve (1) and vent the monitor into the liquid process monitor vent rig to ensure the monitor chamber is full of water. Shut the vent valve (3) when water flows from the vent.

NOTE

If system pressure is inadequate to vent the monitor, intermittently start and stop the sample pump to complete the venting.

    c. Remove the liquid process monitor vent rig and reinstall the cap on the vent valve.

    d. Open the liquid process monitor Inlet (1) and Outlet (2) valves.

    e. Start the sample panel pump.

14. Notify the Unit Operator in the Control Room that the liquid process radiation monitor has been returned to service.

15. Transport the liquid process monitor sample to the laboratory area or alternate location.

16. Prepare the sample for analysis in accordance with Reference 2.

17. Analyze the sample in accordance with Reference 1.

18. Survey all sampling equipment to help reduce the spread of contamination.

G. CHECKLISTS

1. None.

H. TECHNICAL SPECIFICATION REFERENCES

1. 3.3.7.10.

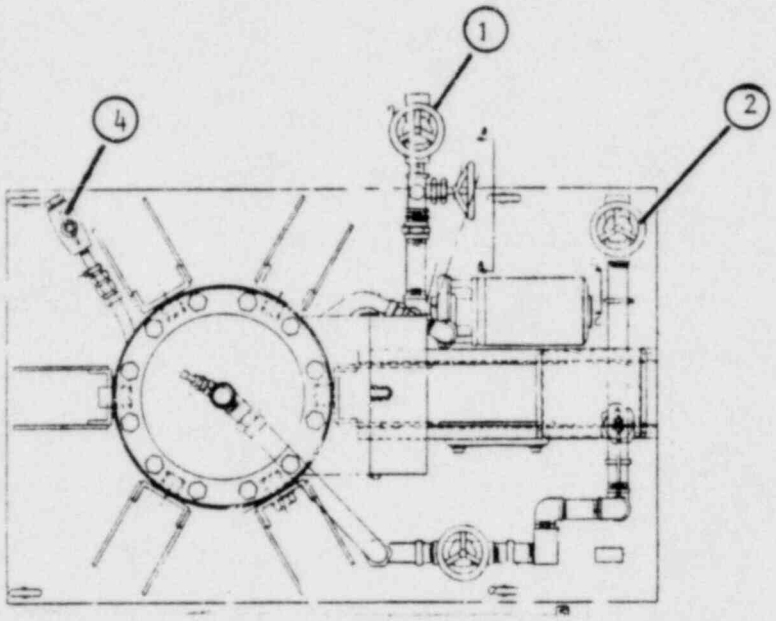
ATTACHMENT A

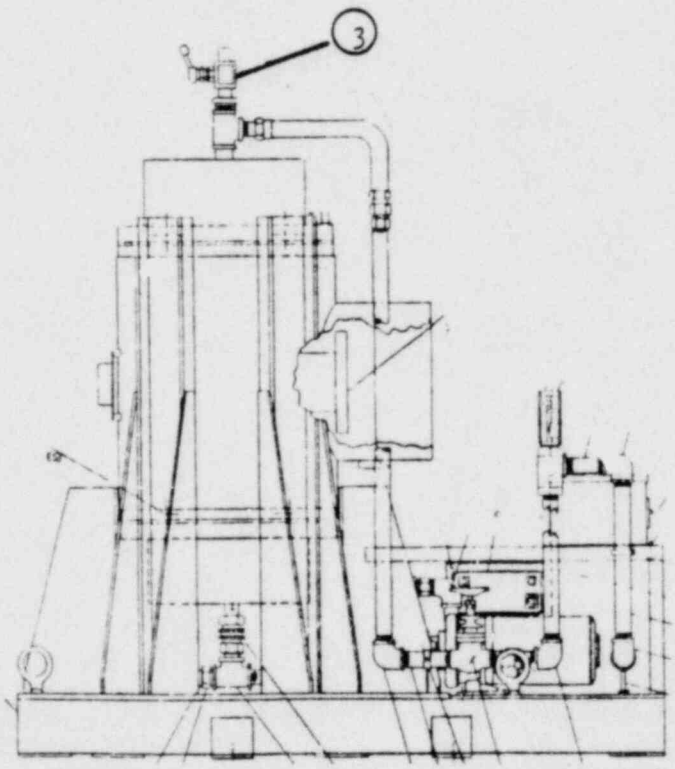
LIQUID PROCESS MONITOR SAMPLE PANEL AND
LCRM PANEL LOCATIONS

MONITOR SYSTEM	MONITOR LOCATION (1)	LCRM PANEL	LCRM EPN
Radwaste Effluent 0D18-J007	Lake Blowdown Valve House	0PL96J	0D18-K606
Service Water	Auxiliary Bldg. 692'6" Elev.		
1D18-J009	Column L14	1H13-P604	1D18-K608
2D18-J009	Column L15	2H13-P604	2D18-K608
Reactor Building Closed Cooling Water	Reactor Bldg. 761'-0" Elev.		
1D18-J003	Column A10	1H13-P604	1D18-K607
2D18-J008	Column A16	2H13-P604	2D18-K607
RHR Service Water	Reactor Bldg. 761'-0" Elev.		
Loop A			
1D18-J005	Column G14	1H13-P601	1D18-K604
2D18-J005	Column G20	2H13-P601	2D18-K604
Loop B			
1D18-J006	Column C10	1H13-P604	1D18-K605
2D18-J006	Column C16	2H13-P604	2D18-K605

(1) Column coordinates are from general arrangement drawings.

ATTACHMENT B





(1) Inlet Valve

(2) Outlet Valve

(3) Vent Valve

(4) Drain Valve

IMPLEMENTING PROCEDURE FOR FIRE: FIRE COMPANY NO. 1 (MAINTENANCE PERSONNEL)

A. PURPOSE

The purpose of this procedure is to describe the duties of Fire Company No. 1 personnel in the event of a fire.

B. REFERENCES

1. LAP 900-14, "Fire Protection Program."
2. LZP 1340-3, "Implementing Procedure for Fire: Fire Officer No. 1 (Cognizant Maintenance Foreman)."

C. PREREQUISITES

1. Fire Company No. 1 is comprised of personnel as specified in Reference 1.
2. Fire Company members should have completed the LaSalle Station Fire Company Training Program, as defined by the Fire Marshal and the CECo Nuclear Fire Protection Program.

D. PRECAUTIONS

1. If during the course of fighting the fire any individual experiences physical difficulties (such as nausea, difficulty in breathing, etc.) or believes that his equipment is malfunctioning, he should leave the area immediately and report to Fire Officer No. 1 (Cognizant Maintenance Foreman).

E. LIMITATIONS AND ACTIONS

1. Fire Company #1 functions as a support group to the Fire Brigade. Typical activities include items such as:
   a. Acquire additional equipment such as hose, extinguishers, air cylinders, etc. for use by the Fire Brigade.
   b. Transport additional equipment for use by the Fire Brigade.

c. Assist the Fire Brigade in set up and operation of fire equipment.

d. Recharge of fire extinguishers.

e. Assist the Fire Brigade in the fighting of fires.

f. Function as directed by Fire Officer #1 and the Fire Chief.

g. Perform other functions as required and directed by the Fire Chief, Fire Officer #1 or the Fire Marshal.

F. PROCEDURE

1. Sequence of actions to be followed by Fire Company No. 1 members upon notification of a fire:

a. Upon initial notification (routinely via the emergency siren and P.A. system) proceed immediately to the Mechanical Maintenance Shop and report to the Fire Officer No. 1 (Cognizant Maintenance Foreman).

b. Await instructions from Fire Officer No. 1.

c. Should your assistance be required, Fire Officer No. 1 will direct you to the nearest fire-fighting equipment storage location so that the necessary protective clothing and equipment can be obtained.

d. At the fire location (if required) assist the Fire Brigade as directed by Fire Officer No. 1 (Reference 2).

e. If necessary, assist the Fire Company No. 2 (Off-Site Fire Department) as directed by Fire Officer No.1.

f. Perform other functions deemed necessary by Fire Officer #1.

2. Return all equipment used to its designated location in working order (ie. roll hoses, replace hoses as necessary, replace extinguishers). Any missing or damaged equipment shall be reported to Fire Marshal.

NOTE

Only properly functioning equipment should be left in the equipment storage locations.

3. Provide assistance to Fire Company No. 2 (Off-Site Fire Dept.) in reassembling their equipment, as directed by Fire Officer #1 and the Fire Chief.

G. CHECKLISTS

1. None.

H. TECHNICAL SPECIFICATION REFERENCES

1. None.

EXERCISES AND DRILLS

A. PURPOSE

The purpose of this procedure is to ensure station personnel and necessary outside agencies are periodically tested on all phases of the GSEP.

B. REFERENCES

1. Generating Station Emergency Plan, Section 8.3.

2. LZP 1510-1 "GSEP Operational Readiness."

3. LZP 1550-8, "Nuclear Accident Reporting System (NARS) Monthly Surveillance."

4. LAP 900-17, "Fire Drills."

5. NRC I & E Inspection Report, 50-373/81-14 and 50-374/81-09, "Emergency Preparedness."

C. PREREQUISITES

1. Divisions should be notified of any upcoming drill or exercise which will involve the use of the GSEP radios.

2. The Training Department should be notified of all drills and exercises. This will allow them the opportunity of monitoring the drills for training purposes (Reference 5, NRC Committment).

D. PRECAUTIONS

1. None.

E. LIMITATIONS AND ACTIONS

1. An annual exercise shall be conducted with an invitation to Federal, State, and local response organizations to participate.

2. Priority usage of the radio frequency shared between Divisions and GSEP organizations will be as follows:

   a. Divisions will have priority usage of the frequency should an Emergency Restoration of

Power (ERP) condition arise during a GSEP drill or exercise.

NOTE

The GSEP organization will use the frequency as sparingly as possible and for brief messages only during an ERP. The radio consoles will be used as hard wire equipment to communicate between support centers and the Corporate Command Center.

b. GSEP organizations will have priority usage of the frequency should an actual GSEP emergency exist simultaneously with an Emergency Restoration of Power condition.

F. PROCEDURE

1. Exercises will test the emergency plan for the site to include station and outside agency components; they shall be conducted on an annual basis as directed by the Division Vice President.

a. The objectives established for the exercises, to the extent permitted by the scope of the exercise and without affecting actual reactor operations, are as follows:

1) Evaluate training of individuals and teams designated to perform GSEP duties.

2) Evaluate the adequacy and reliability of communications systems.

3) Evaluate adequacy of emergency facilities.

4) Provide an opportunity for individuals and teams assigned GSEP responsibilities to perform GSEP functions under realistically stressful conditions.

5) Verify effectiveness of GSEP and the GSEP Implementing Procedures and improve them as necessary.

b. Critiques shall be conducted as soon as practical after each annual exercise to evaluate the ability to the GSEP organization to respond to a simulated emergency situation.

2. Drills involving NARS communications shall be conducted monthly as follows:

   a. NARS communications drill for 10 mile EPZ notification shall be conducted on the fourth Tuesday of every month in accordance with Reference 3.

3. Drills involving one or more of the following shall be conducted on a quarterly bases:

   a. Annual Communications drill will be conducted at least once a year to verify communication procedures and capabilities with TSC, EOF, CCC, and Field Assessment Teams, Federal Response Agencies, and State and local EOC's.

   b. Emergency Preparedness Exercise will be conducted annually. A simulated accident will be used to test the integration of on-site and off-site emergency response organizations.

   c. Medical Emergency Drills are conducted annually involving a simulated contaminated individual. The drill will be used to evaluate the capability of on-site and off-site organizations to provide first aid, transportation, decontamination and medical treatment to an injured person contaminated with radioactivity.

   d. Radiological Monitoring Drills shall be conducted annually to verify the capabilities of the Commonwealth Edison/Environs Group Field Monitoring Teams to conduct direct monitoring and sample collection in the plant environs both on-site and off-site and the corporate environmental staff to process and analyze field data. Field communications will also be tested.

   e. Fire Drills will be conducted in accordance with Reference 4.

   f. Health Physics Drills shall be conducted semi-annually to verify the capability of Health Physics personnel to:

      1) Recognize the need for an use of protective clothing and equipment.

2) Conduct direct radiation measurements in the environment. (Simulated elevated radiation levels.)

3) Collect and analyze airborne and liquid samples. (Simulated elevated radiation levels.)

4) Annually, demonstrate the capability to collect and analyze inplant liquid samples with actual elevated radiation levels.

G. CHECKLISTS

1. None.

H. TECHNICAL SPECIFICATION REFERENCES

1. 6.2.A.4.

2. 6.2.E.