

WATTS BAR NUCLEAR PLANT
RADIOLOGICAL EMERGENCY EXERCISE SCENARIO
SEPTEMBER 1984

[IE HQ FILE COPY]

Principally Prepared By:

Watts Bar Plant Staff, TVA
Division of Nuclear Services, TVA
Radiological Health Staff, TVA
Office of Engineering, TVA
Tennessee Emergency Management Agency (TEMA)
Tennessee Department of Health and Environment

8411080315 840930
PDR ADDCK 05000390
F PDR

IE 31
0/1

WATTS BAR NUCLEAR PLANT (WBN) SCENARIO

WBN EXERCISE SCENARIO FORMAT

- I. Objectives
- II. Dates, Time Period, Place, and Participating Organizations
- III. Simulated Events Initiating the Postulated Emergency Conditions
- IV. Time Schedule of Simulated Initiating Event
- V. Narrative Summary
- VI. Plant Parameter Sheets and Control Room Messages

ATTACHMENTS

1. Exercise direction and observation
2. Radiological releases for observers
3. Observer/controller critique worksheets
4. Meteorological data summary

I. Objectives

The exercise is planned to demonstrate the capabilities of TVA and State and local governments to fulfill their responsibilities specified in the Watts Bar Nuclear Plant Radiological Emergency Plan (WBN-REP).

Specifically, the following will be tested or demonstrated:

- A. Test the REP notification procedure throughout the notification chain, beginning at the WBN control room and extending to State authorities and to local authorities.
- B. Demonstrate the staffing and efficient operation of TVA, State, and local emergency centers.
- C. Test the communications networks between TVA, State, and local governments and with other support groups.
- D. Demonstrate WBN's ability to respond to hazardous radiological conditions onsite, i.e., postaccident sampling, HP response, assembly and accountability of nonessential plant personnel, etc.
- E. Demonstrate the capability for periodic public information releases including the ability to disseminate information regarding planned or needed protective actions to the public in a timely manner.

- F. Demonstrate the effectiveness and efficient operation of the Near-Site Media Center as a source of information for the media.
- G. Demonstrate the capability of TVA to assemble and transmit in a timely manner the appropriate information needed by offsite authorities to evaluate the necessity for protective action.
- H. Demonstrate the capability to verify offsite predicted doses by radiological field monitoring.
- I. Demonstrate the capability to perform radiological dose assessments from plant release information and meteorological parameters.
- J. Demonstrate the capability of local authorities to implement protective actions including direction and control during simulated evacuation.
- K. Demonstrate the ability to activate and implement the prompt notification system.
- L. Demonstrate the capability to staff and prepare mass care center(s) to receive and shelter evacuees.

- M. The exercise scope will also extend to simulated situations to test assigned recovery duties for State agencies with TVA support as appropriate.

II. Dates, Time Period, Places, and Participating Organizations

The exercise will be initiated from the WBN main control room on September 11, 1984. The exercise will extend over two days. The exercise will initiate at WBN and initially involve the onsite and offsite TVA emergency organizations, Tennessee, and McMinn, Meigs, and Rhea Counties. The TVA onsite emergency organizations will complete their participation on day one when their objectives are satisfied. The appropriate TVA offsite emergency organization, Tennessee, and Risk Counties will complete day one objectives such as radiological monitoring, dose assessment, public notification, warning and evacuation, and recess until day two. On day two, TVA will maintain an interface with Tennessee and Risk Counties, as necessary, until they complete their objectives.

Those participating in the exercise may include, but are not limited to, the following:

- A. Watts Bar Nuclear Plant, Spring City, Tennessee
- B. Tennessee Valley Authority Emergency Centers, Muscle Shoals, Alabama, Chattanooga, and Knoxville, Tennessee
- C. Tennessee Emergency Management Agency (TEMA), Nashville, Tennessee

- D. Tennessee Department of Health and Environment, Nashville, Tennessee
- E. McMinn County Government
- F. Meigs County Government
- G. Rhea County Government
- H. Tennessee Department of Agriculture
- I. Tennessee Wildlife Resources Agency
- J. Tennessee Department of Conservation
- K. Tennessee Governor's Office
- L. American Red Cross
- M. National Weather Service
- N. Federal Emergency Management Agency
- O. U.S. Coast Guard
- P. Risk Counties Civil Defense (McMinn, Meigs, and Rhea)
- Q. Host Counties (Hamilton, Roane, McMinn, and Cumberland)
- R. Emergency Broadcast System
- S. Nuclear Regulatory Commission and Other Federal Agencies
- T. Local Support Agencies in Risk Counties
- U. Tennessee Department of Safety (Highway Patrol)
- V. Tennessee Public Service Commission
- W. Tennessee Department of Tourism Development
- X. Tennessee Department of Transportation

III. Simulated Events Initiating the Postulated Emergency Conditions

The scenario postulates these situations.

- A. An unidentified primary coolant leak of approximately 6 gpm is discovered. This requires the declaration of Notification of Unusual Event.
- B. The second major event is a major steam generator tube rupture. This occurs in steam generator 1 and results in the operator manually tripping the unit and the declaration of an Alert.
- C. The third major event is the loss of the use of the auxiliary feedwater turbine driven pump. The loss of this pump is caused when a valve from steam generator 1 to the pump fails open. An interlock system prevents the use of steam from steam generator 4 to drive the pump.
- D. A fourth event is the failure of a valve between steam generator 2 and auxiliary feedwater motor driven pump "A" (pump "B" is out for service). This is the only auxiliary feedwater being supplied to any steam generator. The operator is able to open a bypass valve to steam generator 2 but the rate of flow is not sufficient to cool the reactor coolant system. Since the operator is unable to override feedwater isolation, he cycles through steam generators 3 and 4 using these as heat sinks until they are dry.

- E. The fifth major event is the opening and failure to completely reclose of a steam generator 1 relief valve. This results in a continuous release to the environment. A Site Area Emergency is declared at this time.
- F. The sixth major event is the determination that the containment inventory used both for core and containment cooling will be exhausted in approximately 10 hours. This raises the possibility of fuel damage and breach of containment. A General Emergency is declared.

IV. Time Schedule of Simulated Initiating Events

Day One

NOTE: The plant operators will be given the messages and plant parameter sheets at the times indicated on them. (Note: The exact times may vary slightly depending on actual response times. The controller will determine where these variances are appropriate.) The plant parameters were obtained at the Sequoyah/Watts Bar simulator at TVA's Power Operations Training Center. The emergency staff actions indicated below are those expected and are provided for critiquers and controllers. Exercise controllers in the control room will record operator actions taken that were not expected and provide necessary input to assure the exercise takes the planned course.

Initial Condition:

T = -20 mins.

0240 (CST)

Unit 1 at 100 percent full power.

Unit 2 not yet in operation.

Unit 1 containment purging in progress.

Unit 1 core at End-of-Life.

Unit 1 - Latest reactor coolant sample activity was 1uCi/g, 90 percent iodine indicating possible fuel pin damage.

Unit 1 - Pressurizer PORVs have been isolated by closure of block valves (necessary because of excessive leakage).

Unit 1 - AFW MDP "B" out for repair of motor bearings LCO 3.7.1.2a (72 hours) out-of-service for a minimum of 24 hours.

T = 0 mins. Performance of SI 4.4 revealed approximately 6 gpm
0300 (CST) unidentified primary coolant leakage. NOTIFICATION OF
UNUSUAL EVENT declared. Appropriate agencies informed.

T = 20 mins.
0320 (CST) Further investigation of leak revealed higher than normal readings from RM 90-106B. (Lower compartment radiation monitor.) Lower compartment containment purge monitors (RM 90-130, RM 90-131) are reading normal. Containment purge is stopped.

T = 1 hr.
25 mins.
0425 (CST) Personnel who were dispatched to the lower compartment report that there are no obvious reasons for the elevated radiation readings. Lower compartment radiation monitor has returned to normal.

T = 1 hr.
30 mins.
0430 (CST) Condenser vacuum pump exhaust readings indicate small primary-to-secondary leakage.

. Operations referring to AOI-33 and EOI-6.

T = 1 hr.
58 mins.
0458 (CST) Charging pump flow begins to increase. Pressurizer pressure and level are decreasing. Condenser vacuum pump and steam generator blowdown radiation monitors alarm.

T = 2 hr.
0500 (CST) Manual reactor trip and safety injection on low pressurizer level. Turbine trips, main steam stop valves close, and condenser dump valves open. Charging, safety injection, residual heat removal pumps start; auxiliary feedwater

turbine driven pump (AFWTDP) and motor driven pump A (MDPA) start and begin to deliver water to SGs. Feedwater isolation, Phase A isolation, SG blowdown isolation, and containment vent isolation signals are generated.

. Operations referring to EOI-0 and EOI-3.

T = 2 hrs. Shift engineer declares a ALERT based on rapidly decreasing
5 mins. pressurizer pressure and level pressurizer indicating a
0505 (CST) major steam generator tube rupture.

Rupture is identified to SG 1 based on SG 1 steam flow/feedwater flow mismatch and SG 1 high level indication.

. Operator is directed to close SG 1 auxiliary feedwater (AFW) valves (FCV-3-164 and FCV-3-174), close SG 1 main steam isolation valve (FCV-1-4), and bypass valve (FCV-1-147), place SG 1 PORV (PCV-1-5) handswitch in "closed" position, close AFWTDP steam supply valve from SG 1 (FCV-1-15).

Operator isolates UHI.

SG safety valves opens intermittently as their setpoints are reached.

Operator requests HP to take out of plant, onsite measurements.

T = 2 hrs.
15 mins.
0515 (CST)

Operator is informed AFWTDP steam supply valve (FCV 1-15) will not close completely. Operator isolates release through auxiliary feedwater turbine driven pump exhaust by closing valves (FCV 1-17 and FCV 1-18). The steam supply valve to the turbine driven AFW pump from SG 4 (FCV 1-16) will not stay open because of interlock with FCV 1-15.

. AFWTDP stops, SG 3 and 4 begin to dry out.

Operator stops RHR pumps, resets SI signal.

T = 2 hrs.
20 mins.

Operator attempts to reset feedwater isolation in order to use the standby mainfeed pump or condensate booster pumps in combination with secondary depressurization. Feedwater isolation will not reset.

T = 2 hrs.
30 mins.
0530 (CST)

Operator closes SG 3 and SG 4 MSIVs to conserve water inventory (wide range indication approximately 60 percent). Operator is attempting to cool RCS using SG 2.

T = 2 hrs.
40 mins.
0540 (CST)

Operations/maintenance personnel are dispatched to estimate the time required to restore the turbine driven AFW pump steam supply. Diesel generators are stopped.

T = 3 hrs.
mins.

Flow to SG 2 has stopped.

0600 (CST)

. Operator is notified that FCV 3-156 has failed closed.
Operator manually opens the bypass valve FCV 3-156A.
Operator dispatches personnel to investigate valve failure.

T = 3 hrs.
20 mins.

Indications are that SG 2 is decreasing rapidly (40 percent wide range indication). Operator stops SI pumps because of high pressurizer level (approximately 80 percent).

0620 (CST)

T = 3 hrs.
30 mins.

Reactor coolant temperature begins to increase. Operator opens SG 3 MSIV to stop temperature increase.

0630 (CST)

T = 4 hrs.

Inspection team reports that FCV 1-15 repair will be difficult and as a result the steam supply valve to the turbine driven AFW pump from SG 4 will not be available for an extended period of time.

0700 (CST)

T = 4 hrs.
5 mins.

Inspection team reports that FCV-3-156 cannot be reopened because of a failed pressure switch.

0705 (CST)

T = 4 hrs.
15 mins.

SG 3 wide range indication is zero.

0715 (CST)

T = 4 hrs. RCS temperature begins to increase. Operator opens SG 4
30 mins. MSIV to stop temperature increase.
0730 (CST)

T = 5 hrs. SG 4 wide range indication is zero.
30 mins.
0830 (CST)

T = 5 hrs. RCS temperature increasing.
45 mins.
0845 (CST)

T = 6 hrs. RCS temperature approaching saturation at 1090 psi
15 mins. (557°F). SI pumps placed back in operation to increase
0915 (CST) primary pressure. Pressurizer almost solid (level
90 percent).

T = 6 hrs SG 1 relief valve open.
45 mins.
0945 (CST)

T = 7 hrs. SG 1 relief valve does not completely reclose. SITE AREA
1000 (CST) EMERGENCY is declared based on abnormal plant conditions
which have warranted activation of emergency centers and
field monitoring teams.

T = 7 hrs
15 mins.
1015 (CST) Operator cycles pressurizer PORVs to increase core cooling.

T = 7 hrs.
30 mins.
1030 (CST) Pressurizer relief tank rupture disk opens.

T = 7 hrs.
40 mins.
1040 (CST) Phase B isolation is generated on a Hi-Hi containment pressure. Containment spray is initiated. RC pumps are stopped.

. Auxiliary building ventilation is secured.

T = 8 hrs.
1100 (CST) Operator performs ECCS switchover to recirculation mode.

T = 7 hrs.
45 mins.
1045 (CST) Operations/maintenance is dispatched to investigate failure of SG1 relief valve to close.

T = 8 hrs.
15 mins.
1115 (CST) Operator is notified that no action can be taken to close the relief valve. Release continues.

T = 10 hrs. Release is continuing. Safety injection pump flow is
30 mins. adequate to maintain reactor coolant inventory.
1330 (CST)

T = 11 hrs. Reactor coolant inventory is adequate at present. However,
1400 (CST) primary system is at relatively high pressure. Operators
are unable to depressurize and containment inventory used
both for core and containment cooling is estimated to last
approximately 10 hours. Makeup to the RWST from the spent
fuel cooling pool cannot be supplied at the rate at which
primary inventory is being lost. GENERAL EMERGENCY is
declared based on loss of feedwater and condensate systems
(principle heat removal systems) with failure of auxiliary
feedwater system for an extended period of time.

T = 13 hrs. Operator is notified that interlocks between the AFW
1600 (CST) turbine driven pump steam supply valves has been
temporarily rewired. The steam supply valve from SG 4
(FCV 1-16) is now open. Since SG 4 is dry, steam from SG 1
will be used to run the turbine driven pump until SG 4 can
be refilled.

T = 13 hrs. SG 4 has been refilled to 5 percent narrow range level
30 mins. indication. The steam supply valve from SG 1 (FCV 1-15)
1630 (CST) has been closed and the steam supply valve from SG 4
(FCV 1-16) is open. AFWTDP is delivering rated flow to
SG 2, 3 and 4.

T = 13 hrs. Primary and secondary pressure are decreasing. ECCS is
45 mins. terminated except for makeup to SG tube leak. Pressurizer
1645 (CST) PORV block valves are closed.

T = 14 hrs. SG 1 relief valves have closed. Release has been secured.
1700 (CST) Containment isolation is confirmed.

T = 14 hrs. + Offsite recovery planning begins.

Day Two

0800 (CST) Offsite recovery effort.

1100 (CST) Terminate exercise.

V. Narrative Summary

At the onset, the scenario assumes that unit 1 is operating at 100 percent power (unit 2 has not loaded fuel). The latest reactor coolant sample activity was $1\mu\text{Ci/g}$ (90 percent iodine) indicating possible fuel pin damage. An unidentified primary coolant leak of approximately 6 gpm is discovered in unit 1 which initiates the declaration of Notification of Unusual Event. As the scenario continues further, investigation of the leak reveals higher than normal readings from lower compartment radiation monitors. The scenario

continues with indications of small primary to secondary leakage. This condition persists until the unit is manually tripped due to a major steam generator tube rupture. An Alert is declared at this time. The rupture is determined to have occurred in steam generator 1. Under the initial conditions of the scenario, auxiliary feedwater motor driven pump "B" is out of service for repairs. This pump supplies water to steam generators 3 and 4. Steam from steam generator 1 or 4 is used to drive the auxiliary feedwater turbine driven pump (AFWTDP). During an attempt to isolate steam generator 1, a valve between steam generator 1 and the AFWTDP fails partially open. An interlock system prevents the opening of the valve from steam generator 4 to the AFWTDP as long as the failed valve is open. This leads to shutdown of the AFWTDP.

At this point in the scenario the only auxiliary water being supplied is that which is being pumped by the auxiliary feedwater motor driven pump "A" to steam generator 2. Steam generators 3 and 4 main steam isolation valves have been closed to conserve water. The operator is attempting to cool the reactor coolant system by using only steam generator 2.

As the scenario continues, flow to steam generator 2 stops. The operator opens a partial flow bypass valve to supply auxiliary feedwater to steam generator 2. The operator continues to use steam generator 2 as a heat sink but heat removal is insufficient due to low rate of auxiliary feedwater flow. At this point the operator opens

the main steam isolation valve to steam generator 3 and uses it as a heat sink until it is almost dry. The operator then does the same thing with steam generator 4. After steam generator 4 runs dry, the reactor coolant temperature begins to increase. Safety injection pumps are put into operation to increase primary pressure to avoid saturation. The pressurizer goes solid.

As the scenario continues, steam generator 1 relief valve opens and fails to completely reclose. This results in a continuous release of radiation to the environment.

A Site Area Emergency is declared based on abnormal plant conditions. During the next several hours, the operator takes whatever action he can to cool the reactor. Eventually it is determined that the reactor coolant and containment cooling functions will be jeopardized in another 10 hours. A General Emergency is declared based on loss of feedwater and condensate systems (principle heat removal systems) with failure of auxiliary feedwater system for an extended period of time. This state continues for two hours at which time the operator is informed that the interlocks between the AFWTDP steam supply valves have been rewired. The steam supply valve from steam generator 4 is now open. Since steam generator 4 is dry, steam from steam generator 1 is used to run the turbine driven pump until steam generator 4 can be refilled. After steam generator 4 is refilled, the steam supply valve from steam generator 1 is closed. The AFWTDP is

receiving steam from steam generator 4 and it is delivering rated flow to steam generators 2, 3, and 4. Primary and secondary pressure begin to decrease. Steam generator 1 relief valves close and the radiation release is secured. Containment isolation is confirmed.

This scenario will necessitate onsite and offsite environs monitoring and accident assessments. The postulated events will prompt public alerting and notification, and necessitate appropriate protective actions for the public. The implementation of protective actions will test the readiness of state and local support facilities. In-plant assessments will include system analysis, primary coolant sampling, determination of activity levels, etc. Radiological Field Teams will be deployed by TVA and the State of Tennessee to assess offsite radiation doses.

VI. Plant Parameter Sheets/Control Room Messages

These will be provided in the controller/observer package.

TEA:JLR
08/22/84
A1325.R2

ATTACHMENT 1

EXERCISE DIRECTION AND OBSERVATION

A. Exercise Direction and Guidance by Controllers:

1. Exercise Director Assignments/Locations
2. Directors Duties/Guidance
3. Controllers Assignments/Locations
4. Controllers Duties/Guidance
5. Messages/Input - Directors/Controllers

B. Exercise Observation and Critique/Observers:

1. Observers Assignments/Locations
2. Observers Duties/Guidance
3. Critique Reports/Exercise Areas of Concern

A. Exercise Direction and Guidance by Controllers

1. Exercise Directors Assignments/Location

See attachment 1A for a list of all controllers and their locations.

An exercise director, who principally ensures that the TVA emergency organization responds appropriately to the scenario events will be located at the CECC. He will prompt controllers as appropriate and resolve unforeseen situations, including coordination with designated state officials as appropriate if events occur that could potentially alter the "course" of the exercise.

2. Directors Duties/Guidance

Generally, the director will principally ensure that the exercise is kept moving and that any unexpected or unforeseen circumstances do not significantly change the "course" of the exercise. At principal EOC/ECC locations, controllers are to input data, answer inquiries, or direct/prompt participants that certain actions may be appropriate under their procedures. These prompts should be coordinated with the director as appropriate.

3. Controllers Assignments/Locations

See attachment 1A for a list of controllers and their locations.

Controllers are to input prescribed data into the exercise, answer appropriate inquiries into the exercise scope, and to indicate if information is available for situations not addressed or in response to questions.

Certain controllers are designated as controller/observers and are requested to note the participant's response of their use of data provided primarily after radiation monitoring and/or other tests are conducted.

5. Scenario Input Data - Directors/Controllers

Prescribed input is provided primarily for controllers to give to in-plant/offsite participants.

Director's input will be principally on policy matters on an ad hoc basis. The director may choose to clarify, limit, or restrict certain controller data input as appropriate.

B. Exercise Observation and Critique/Observers

1. Observer Assignments/Locations

Attachment 1B lists observers and their locations.

2. Observers Duties/Guidance

An observer's duty is to observe participants and controllers as they function during this exercise. These observations and judgments are recorded and reported as to strengths and weaknesses, together with recommendations for improvement.

Observers will be supplied with worksheets that detail the areas on which they will provide comments as well as specific comments they may have.

3. Critique Reports/Exercise Areas of Concern

Observers are expected to provide their worksheets to the NCO Radiological Emergency Preparedness Section as soon as possible after the post exercise critiques.

Critique reports are expected within two weeks after the exercise completion. Specific deadlines and timeframes will be provided during the briefing sessions or by memo.

TEA:JLR
03/19/84
A1325.R2

ATTACHMENT 2

RADIOLOGICAL RELEASES FOR OBSERVERS

The time schedule of events indicate a continuous ground level release with a duration of approximately seven hours. The release begins at 0945 CST due to a steam generator relief valve which will not reclose resulting in the release of primary water to the atmosphere in the form of steam. The release terminates at 1700 CST when the relief valve closes. The release rates for noble gases and iodine (hourly averages) are as follows:

| <u>Time</u> | <u>Noble Gas ($\mu\text{Ci/s}$)</u> | <u>Iodines ($\mu\text{Ci/s}$)</u> |
|-------------|--|--|
| 1100 hours | 3.5 E+5 | 1.75 E+4 |
| 1200 hours | 4.2 E+5 | 2.25 E+4 |
| 1300 hours | 4.3 E+5 | 1.88 E+4 |
| 1400 hours | 4.4 E+5 | 1.5 E+4 |
| 1500 hours | 4.4 E+5 | 1.2 E+4 |
| 1600 hours | 4.3 E+5 | 1.0 E+4 |
| 1700 hours | 1.0 E+5 | 2.25 E+3 |

These releases result in the following offsite dose rates (representative).

| <u>Distance</u> | <u>D (Whole Body)</u> | <u>D (Infant Thyroid)</u> |
|-----------------|-----------------------|---------------------------|
| 1 mile | 2.0 E-3 rem/h | 1.4 rem/h |
| 2 miles | 7.0 E-4 rem/h | 5.0 E-1 rem/h |
| 5 miles | 1.9 E-4 rem/h | 1.25 E-1 rem/h |
| 10 miles | 7.2 E-5 rem/h | 5.0 E-2 rem/h |

TEA:JLR
03/19/84
A1325.R2

ATTACHMENT 3

OBSERVER/CONTROLLER CRITIQUE WORKSHEETS

Observers will be supplied with worksheets which will detail the areas on which observers are expected to supply comments. These worksheets will also have space for other comments which the observers may have. These worksheets will be included in the final observer/controller package.

Controllers will be supplied with the following worksheet which will enable them to document the control process that took place in the exercise.

CONTROLLER WORKSHEET

1. Did you have to prompt any player(s) to take appropriate actions?

2. Did any players make suggestions which would have significantly mitigated the emergency but which you had to disallow to keep the scenario on track?

3. Did any changes have to be made to the scenario during the exercise?

4. Comments:

ATTACHMENT 4

METEOROLOGICAL DATA SUMMARY

The meteorological data used during this exercise is "canned." It was developed by TVA meteorologists. A meteorologist will act as a controller to input the "canned" information as necessary and will also be available to interpret the data as required.

| <u>Control Time*</u> | <u>Plume Direction (22-1/2° Sector)</u> | <u>Wind Speed M/S</u> | <u>Stability Class</u> | <u>Precipitation (MM)</u> |
|----------------------|---|-----------------------|------------------------|---------------------------|
| 0300 | E | 0.4 | G | None |
| 0400 | N | 1.0 | G | None |
| 0500 | NNE | 0.7 | F | None |
| 0600 | NNE | 1.2 | F | None |
| 0700 | NNE | 1.2 | F | None |
| 0800 | NNE | 0.7 | E | None |
| 0900 | NE | 1.0 | D | 3.3 |
| 1000 | ESE | 2.1 | D | None |
| 1100 | ESE | 3.5 | C | None |
| 1200 | E | 3.1 | B | None |
| 1300 | SE | 3.8 | C | None |
| 1400 | SE | 3.0 | D | None |
| 1500 | ESE | 3.0 | D | None |
| 1600 | ESE | 3.9 | D | None |
| 1700 | ESE | 4.4 | D | None |
| 1800 | ESE | 4.6 | D | None |
| 1900 | SE | 3.8 | D | None |
| 2000 | SE | 3.8 | D | None |
| 2100 | SE | 3.6 | D | None |
| 2200 | SE | 2.1 | D | None |
| 2300 | SE | 2.3 | D | None |
| 2400 | SE | 3.3 | E | None |

*Hourly average data ending at the time indicated (i.e., 0400 contains the average of data between 0301 and 0400).

TEA:JLR
03/19/84
A1325.R2

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Duty Shift Engineer

Date: September 11, 1984

Time: 0245 hours
-15 minutes

Message: THIS IS A DRILL.

Please prefix all initial messages and notifications which you make or are responsible for making with the words - THIS IS A DRILL, NO REAL EMERGENCY EXISTS. If at anytime during this exercise a real emergency occurs the site emergency director may terminate the exercise if he feels continuation of the exercise may adversely affect the plant response to the real emergency.

Initial Plant Conditions

- . Unit 1 - Full power, core end of life, containment purging in progress.
- . Unit 2 - Not yet in operation.

Latest reactor coolant sample activity was $1\mu\text{Ci/g}$, 90 percent iodine indicating possible fuel pin leakage.

Pressurizer PORVs have been isolated by closure of block valves (necessary because of excessive leakage).

AFW MDP "B" out for repair of motor bearings LCO 3.7.1.2a (72 hours).
Estimated to be out-of-service minimum of 24 hours.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0300 hours

Message: THIS IS A DRILL.

Performance of SI 4.4 has revealed approximately 6 gallons per minute unidentified primary coolant leakage.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Control Room Controller

Date: September 11, 1984

Time: 0305 hours

Message: THIS IS A DRILL.

If not already declared, a NOTIFICATION OF UNUSUAL EVENT should be declared based on 6 gpm unidentified primary coolant leakage.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0320 hours

Message: THIS IS A DRILL.

Lower Containment Total Gas Monitor, RM-90-106B, alarms lower compartment containment purge monitors (RM-90-130 and RM-90-131) are reading normal.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0430 hours

Message: THIS IS A DRILL.

RM-90-99 and RM-90-119 have elevated indications.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Control Room

Date: September 11, 1984

Time: 0435 hours

Message: THIS IS A DRILL.

Operations should be referring to AOI-33 and EOI-6.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0458 hours

Message: THIS IS A DRILL.

Charging pump flow begins to increase. Pressurizer pressure and level decreasing. Condenser vacuum pump and steam generator blowdown radiation monitors alarm.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer
Date: September 11, 1984
Time: 0500 hours
Message: THIS IS A DRILL.

Manual reactor trip and safety injection on low pressurizer level. Turbine trips, main steam stop valves close and condenser dump valves open. Charging, safety injection, residual heat removal pumps start; auxiliary feedwater turbine driven pump and motor driven pump A start and begin to deliver water to steam generators (SG). Feedwater isolation, Phase A isolation, SG blowdown isolation, and containment vent isolation signals are generated.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Control Room Controller

Date: September 11, 1984

Time: 0500 hours

Message: THIS IS A DRILL.

Operators should be looking at EOI-0 and EOI-3.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer
Date: September 11, 1984
Time: 0505 hours
Message: THIS IS A DRILL.

Rapidly decreasing pressurizer pressure and level.

- . Operator closes SG 1 auxiliary feedwater (AFW) valves (FCV-3-164 and FCV-3-174), closes SG 1 main steam isolation valve (FCV-1-4), and bypass valve (FCV-1-147), places SG 1 PORV (PCV-1-5) handswitch in "closed" position, closes AFWTDP steam supply valve from SG 1 (FCV-1-15).
- . UHI manually isolated.
- . SG safety valves open intermittently as their setpoints are reached.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0507 hours

Message: THIS IS A DRILL.

Rupture is identified to SG 1 based on SG 1 steam flow/feedwater flow mismatch and SG 1 high level indication.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Control Room Controller

Date: September 11, 1984

Time: 0510 hours

Message: THIS IS A DRILL.

If not already declared, an ALERT should be declared based on rapidly decreasing pressurizer pressure and level indicating a major steam generator tube rupture.

Shift engineer may request HP to take onsite outside measurements.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer
Date: September 11, 1984
Time: 0515 hours
Message: THIS IS A DRILL.

Operator informs the Shift Engineer that the AFWTDP steam supply valve (FCV-1-15) does not indicate closed. Operator isolates release through auxiliary feedwater turbine driven pump exhaust by closing valves (FCV-1-17 and FCV-1-18). The steam supply valve to the turbine driven AFW pump from SG 4 (FCV-1-16) will not stay open.

. AFWTDP stops, SG 3 and 4 begin to dry out.

Operator stops RHR pumps, resets SI signal.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Control Room Controller

Date: September 11, 1984

Time: 0530 hours

Message: THIS IS A DRILL.

Operator closes SG 3 and SG 4 MSIVs to conserve water inventory (wide range indication approximately 60 percent). Operator is attempting to cool RCS using SG 2.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Control Room Controller/TSC Controller/OSC Controller

Date: September 11, 1984

Time: 0540 hours

Message: THIS IS A DRILL.

Operations/maintenance personnel should be dispatched to estimate the time required to restore the turbine driven AFW pump steam supply.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0600 hours

Message: THIS IS A DRILL.

FI-3-155A indicates zero flow to SG 2.

. FCV-3-156 indicates closed.

Operator manually opens the bypass valve FCV-3-156A.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: TSC Controller

Date: September 11, 1984

Time: 0610 hours

Message: THIS IS A DRILL.

Maintenance team should be dispatched to investigate FCV-3-156.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0620 hours

Message: THIS IS A DRILL.

Indications that SG 2 is almost empty (40 percent wide range). Operator stops SI pumps because of high pressurizer level (approximately 75 percent).

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0630 hours

Message: THIS IS A DRILL.

Reactor coolant temperature begins to increase. Operator opens SG 3 MSIV to stop temperature increase.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: OSC/TSC Controller

Date: September 11, 1984

Time: 0700 hours

Message: THIS IS A DRILL.

Inspection team reports that FCV-1-15 repair will be difficult and as a result the steam supply valve to the turbine driven AFW pump from SG 4 will not be available for an extended period of time.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0715 hours

Message: THIS IS A DRILL.

SG 3 wide range indication is zero.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0730 hours

Message: THIS IS A DRILL.

RCS temperature begins to increase. Operator opens SG 4 MSIV to stop temperature increase.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0830 hours

Message: THIS IS A DRILL.

SG 4 wide range indication is zero.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0845 hours

Message: THIS IS A DRILL.

RCS temperature increasing.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0915 hours

Message: THIS IS A DRILL.

RCS temperature approaching saturation at 1085 lb/in²g (556°F). SI pumps placed back in operation to increase primary pressure. Pressurizer approaching solid.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 0945 hours

Message: THIS IS A DRILL.

SG 1 relief valve indicates open.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 1000 hours

Message: THIS IS A DRILL.

SG 1 relief valve still indicates open.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: TSC Controller

Date: September 11, 1984

Time: 1005 hours

Message: THIS IS A DRILL.

The decision should be made to dispatch the plant field monitoring team.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: TSC Controller

Date: September 11, 1984

Time: 1010 hours

Message: THIS IS A DRILL.

A SITE AREA EMERGENCY should be declared based on abnormal plant conditions which have warranted activation of emergency centers and field monitoring teams.

Accountability should be initiated and decisions made on evacuating non-essential personnel.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 1015 hours

Message: THIS IS A DRILL.

Operator beginning cycling pressurizer PORVs to increase core cooling.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 1030 hours

Message: THIS IS A DRILL.

Pressurizer relief tank rupture disk opens.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer
Date: September 11, 1984
Time: 1040 hours
Message: THIS IS A DRILL.

Phase B isolation is generated automatically on a Hi-Hi containment pressure. Containment spray is initiated. RC pumps are tripped by the operator.

. Auxiliary building ventilation is secured.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: TSC Controller
Date: September 11, 1984
Time: 1045 hours
Message: THIS IS A DRILL.

Operations/maintenance should be dispatched to investigate failure of relief valve to close.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: TSC Controller
Date: September 11, 1984
Time: 1125 hours
Message: THIS IS A DRILL.

TSC should be notified by OSC that no action can be taken to close the relief valve. Release continues.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 1330 hours

Message: THIS IS A DRILL.

Release is continuing. Safety injection pump flow is adequate to maintain reactor coolant inventory.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: TSC Controller
Date: September 11, 1984
Time: 1400 hours
Message: THIS IS A DRILL.

Reactor coolant inventory is adequate at present. However, primary system is at relatively high pressure. Operators are unable to depressurize and containment inventory used both for core and containment cooling is estimated to last approximately 10 hours. Makeup to the RWST from the spent fuel cooling pool cannot be supplied at the rate at which primary inventory is being lost.

A GENERAL EMERGENCY should be declared based on loss of feedwater and condensate systems with failure of auxiliary feedwater system for an extended period of time.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: TSC Controller

Date: September 11, 1984

Time: 1610 hours

Message: THIS IS A DRILL.

TSC is notified that interlocks between the AFW turbine driven pump steam supply valves has been temporarily rewired. The steam supply valve from SG 4 (FCV-1-16) is now open. Since SG 4 is dry, steam from SG 1 will be used to run the turbine driven pump until SG 4 can be refilled.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 1630 hours

Message: THIS IS A DRILL.

SG 4 has been refilled (FCV-1-15), the steam supply valve from SG 1 has been closed and the steam supply valve from SG 4 (FCV-1-16) is open. AFWTDP is delivering rated flow to SG 2, 3, and 4.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 1645 hours

Message: THIS IS A DRILL.

Primary and secondary pressure are decreasing. ECCS is terminated except for makeup to SG tube leak. Pressurizer PORV block valves are closed.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer

Date: September 11, 1984

Time: 1700 hours

Message: THIS IS A DRILL.

SG 1 relief valves have closed. Release has been secured. Containment isolation is confirmed.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer/Site Emergency Director

Date: September 11, 1984

Time: 1705 hours

Message: THIS IS A DRILL.

Events terminated. Plant in stable condition.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Shift Engineer/Site Emergency Director

Date: September 11, 1984

Time: 1710 hours

Message: THIS IS A DRILL.

Terminate exercise.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: HP Controller

Date: September 11, 1984

Time: 0425 hours

Message: THIS IS A DRILL.

Actuation of RM-90-106B was spurious.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: Control Room Controller/TSC Controller/OSC Controller

Date: September 11, 1984

Time: 0540 hours

Message: THIS IS A DRILL.

Operations/maintenance personnel should be dispatched to estimate the time required to restore the turbine driven AFW pump steam supply.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: OSC Controller

Date: September 11, 1984

Time: 0600 hours

Message: THIS IS A DRILL.

FCV-1-16 will not stay open because of interlock with FCV-1-15. It will take approximately 10 hours to repair wiring.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: OSC/TSC Controller

Date: September 11, 1984

Time: 0700 hours

Message: THIS IS A DRILL.

Inspection team reports that FCV-1-15 repair will be difficult and as a result the steam supply valve to the turbine driven AFW pump from SG 4 will not be available for an extended period of time.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: OSC Controller
Date: September 11, 1984
Time: 0705 hours
Message: THIS IS A DRILL.

Inspection team finds that FCV-3-156 cannot be reopened because of failed pressure switch. Repair is estimated to take 12 hours.

WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: OSC Controller

Date: September 11, 1984

Time: 1115 hours

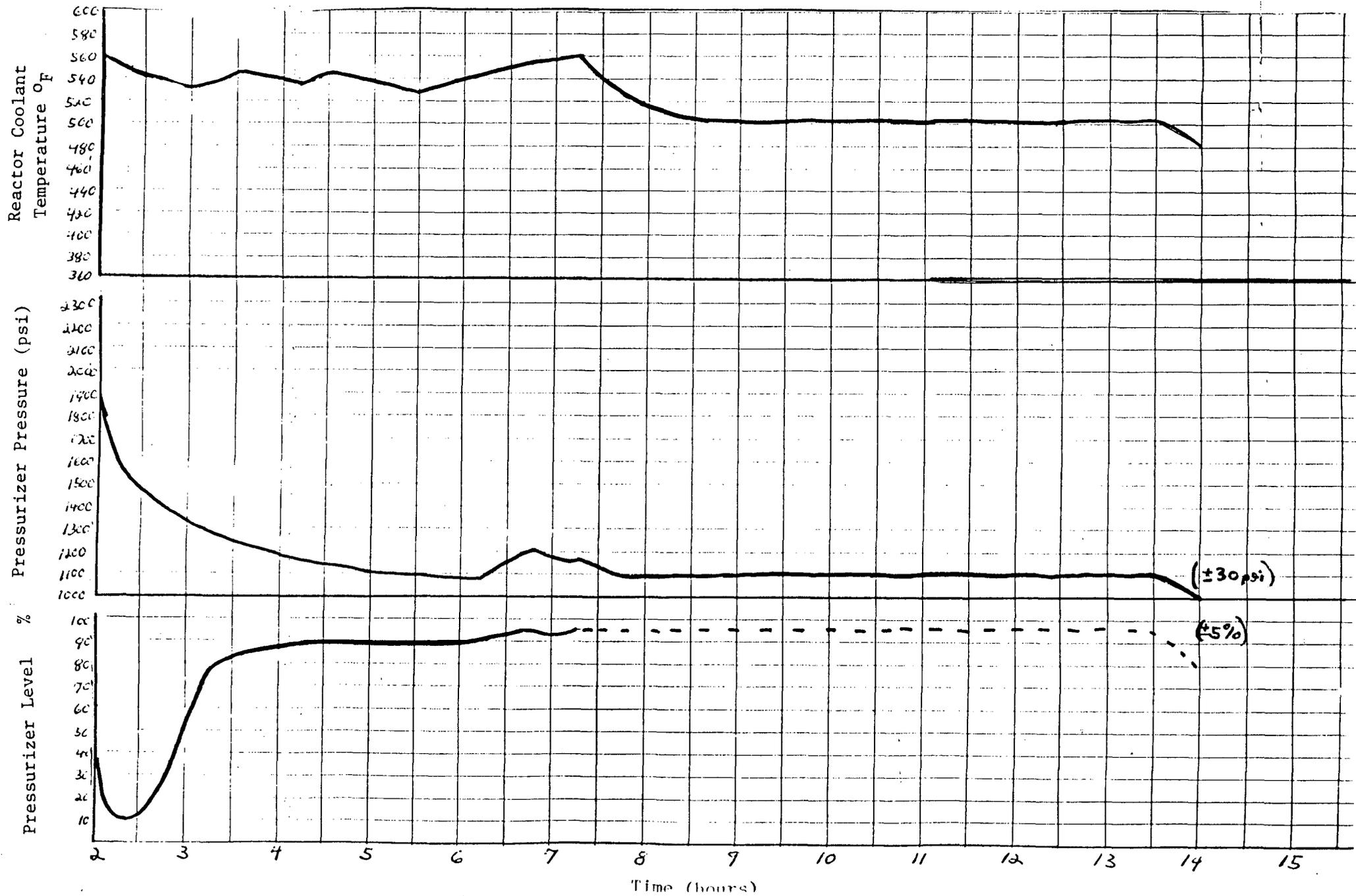
Message: THIS IS A DRILL.

The relief valve is open. No action can be taken to close it.

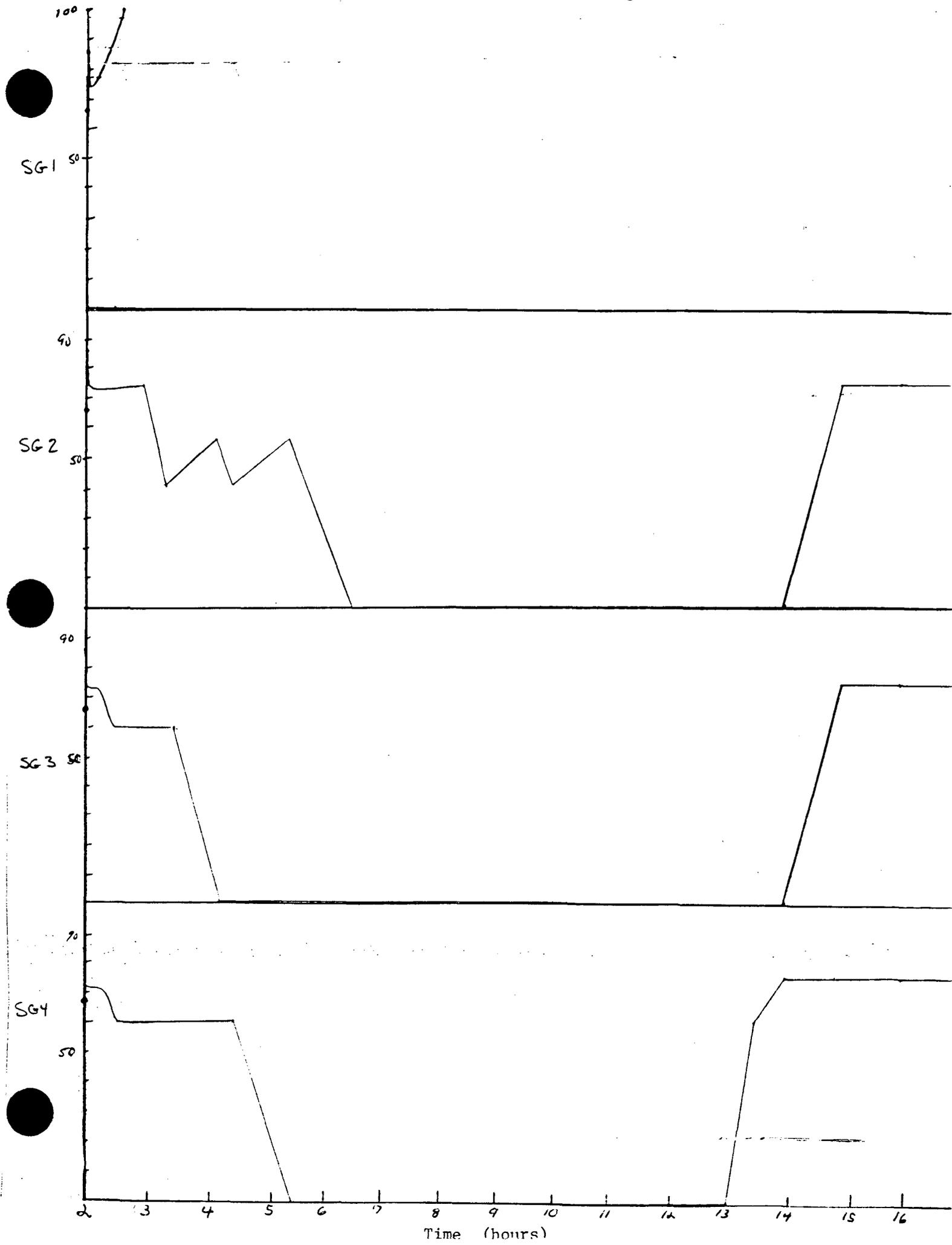
WATTS BAR NUCLEAR PLANT
1984 REP EXERCISE

Message For: OSC Controller
Date: September 11, 1984
Time: 1600 hours
Message: THIS IS A DRILL.

The interlocks between the AFW turbine driven pump steam supply valves has been temporarily rewired.



Steam Generator Level Wide Range



T=0

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 0300 Central Unit _____

1. Boron Concentration 900 ppm time
2. Condensate Storage Tank Level U1 30 U2 30
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser X Atmosphere _____
4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 0 gal B 0 gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 66 2. 65 3. 66 4. 65
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 76 2. 74 3. 75 4. 76
LI-3-43A LI-3-56A LI-3-98A LI-3-107
7. Steam Generator Pressure Psig 1. 980 2. 970 3. 980 4. 975
PI-1-2A PI-1-9A PI-1-20A PI-1-2
8. MSIVs closed 1. No 2. No 3. No 4. No
9. Reactor Vessel Level (NR) 70 % (WR) 111% Plenum 70%
LI-68-370 ^{OFFSCALE HIGH} LI-68-371 ^{OFFSCALE LOW} LI-68-372
10. Pressurizer Level, % 61 61
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 2235 (NR) 2240
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig >600 (offscale high)
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 610 2. 600 3. 605 4. 610
TR-68-1 TR-68-24 TR-68-43 TR-68-66
14. Reactor Coolant System T_{Cold} (WR) °F 1. 545 2. 540 3. 545 4. 550
TR-68-1 TR-68-24 TR-68-45 TR-68-66
15. Reactor Coolant Subcooling Monitor 30°F
16. Reactor Coolant Pumps running 1. ✓ 2. ✓ 3. ✓ 4. ✓
17. Centrifugal Charging Pumps on A-A No B-B No

- 18. Positive Displacement Pump on C Yes
- 19. Residual Heat Removal Pumps on A No B No
- 20. Safety Injection Pumps on A No B No
- 21. Emergency Core Cooling System (✓) Auto ✓ Manual
Mode: Standby ✓ Inj Recirc
- 22. Containment Sump Level % 0 0
LI-63-180 LI-63-181
- 23. RWST Level % 97 98
LI-63-50 LI-63-51
- 24. Cold Leg Accumulator Discharge Yes No ✓
- 25. UHI Accumulator Discharge Yes No ✓
- 26. Containment Spray Flow, gpm A 0 B 0
FI-72-34 FI-72-13
- 27. RHR Spray Valves open A No B No
- 28. Containment Pressure, psid 0 0 0 0
PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
- 29. Containment Isolation = Phase A No Phase B No
- 30. Upper Containment Temperature 100°F
TR-56-1, -2
- 31. Lower Containment Temperature 110°F
TI-36-31
- 32. H₂ Concentration 0 % Time 0300 CST
1-M21-43-200 (210)
- 33. O₂ Concentration 21 % Time 0300 CST
- 34. Source Range, cps N31 OFF N32 OFF
IDWR-92-N31 IDWR-92-N32
- 35. Intermediate Range ma N35 4x10⁻⁴ N36 3.5x10⁻⁴
IDWR-92-N35 IDWR-92-N36
- 36. INCORE thermocouples, °F 1. 615 2. 600 3. 605 4. 610
60 54 44 41
- 37. 6.9kV SD Bus Energized A Yes B Yes
- 38. D/G Running A No B No C No
Loaded A No B No C No
- 39. Offsite Power Available Yes ✓ No

T = 20 min

WBN-IPD
IP-6
Page 1 of 2
Revision 3

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 0320 Central Unit _____

1. Boron Concentration 900 time
2. Condensate Storage Tank Level U1 30 U2 30
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser X Atmosphere _____
4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 0 gal B 0 gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 67 2. 66 3. 66 4. 67
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 75 2. 75 3. 75 4. 75
LI-3-43A LI-3-56A LI-3-98A LI-3-111
7. Steam Generator Pressure Psig 1. 975 2. 975 3. 975 4. 975
PI-1-2A PI-1-9A PI-1-20A PI-1-27A
8. MSIVs closed 1. NO 2. NO 3. NO 4. NO
9. Reactor Vessel Level (NR) 70 OFFSCALE HIGH % (WR) 111 Plenum OFFSCALE LOW 70 %
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 61 61
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 2235 (NR) 2240
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig >600 (offscale high)
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 605 2. 600 3. 605 4. 610
TR-68-1 TR-68-24 TR-68-43 TR-68-
14. Reactor Coolant System T_{Cold} (WR) °F 1. 550 2. 545 3. 550 4. 555
TR-68-1 TR-68-24 TR-68-45 TR-68
15. Reactor Coolant Subcooling Monitor 30 °F
16. Reactor Coolant Pumps running 1. _____ 2. _____ 3. _____ 4. _____
17. Centrifugal Charging Pumps on A-A _____ B-B _____

- 18. Positive Displacement Pump on C ✓
- 19. Residual Heat Removal Pumps on A _____ B _____
- 20. Safety Injection Pumps on A _____ B _____
- 21. Emergency Core Cooling System (✓) Auto ✓ Manual _____
Mode: Standby ✓ Inj _____ Recirc _____
- 22. Containment Sump Level % 0 0
LI-63-180 LI-63-181
- 23. RWST Level % 97 98
LI-63-50 LI-63-51
- 24. Cold Leg Accumulator Discharge Yes _____ No ✓
- 25. UHI Accumulator Discharge Yes _____ No ✓
- 26. Containment Spray Flow, gpm A 0 B 0
FI-72-34 FI-72-13
- 27. RHR Spray Valves open A _____ B _____
- 28. Containment Pressure, psid 0 0 0 0
PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
- 29. Containment Isolation = Phase A _____ Phase B _____
- 30. Upper Containment Temperature 100°F
TR-56-1, -2
- 31. Lower Containment Temperature 110°F
TI-36-31
- 32. H₂ Concentration 0 % Time _____
1-H21-43-200 (210)
- 33. O₂ Concentration 21 % Time _____
- 34. Source Range, cps N31 _____ N32 _____
IDWR-92-N31 IDWR-92-N32
- 35. Intermediate Range ma N35 4x10⁻⁴ N36 3.5x10⁻⁴
IDWR-92-N35 IDWR-92-N36
- 36. INCORE thermocouples, °F 1. 605 2. 610 3. 605 4. 610
60 54 44 41
- 37. 6.9kV SD Bus Energized A ✓ B ✓
- 38. D/G Running A _____ B _____ C _____
Loaded A _____ B _____ C _____
- 39. Offsite Power Available Yes ✓ No _____

ATTACHMENT 2
 DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 0320 Unit 1

Lower Containment Monitor Valve Status Open _____ Closed _____
 Upper Containment Monitor Valve Status Open _____ Closed _____

| | |
|--|--------|
| 1. Auxiliary Building Vent Particulate, RM-90-101A, cpm | 250 |
| 2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm | 80 |
| 3. Auxiliary Building Vent Iodine, RM-90-101C, cpm | 10 |
| 4. Steam Generator Blowdown, RM-90-120A, cpm | 5000 |
| 5. Steam Generator Blowdown, RM-90-121A, cpm | 4000 |
| 6. ERCW Discharge Header A, RM-90-133A, cpm | 800 |
| 7. ERCW Discharge Header A, RM-90-140A, cpm | 1500 |
| 8. Lower Containment Particulate, RM-90-106A, cpm | 5000 |
| 9. Lower Containment Total Gas, RM-90-106B, cpm | 10000 |
| 10. Lower Containment Iodine, RM-90-106C, cpm | 1000 |
| 11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm | 450 |
| 12. Upper Containment Particulate, RM-90-112A, cpm | 7500 |
| 13. Upper Containment Total Gas, RM-90-112B, cpm | 15,000 |
| 14. Upper Containment Iodine, RM-90-112C, cpm | 3000 |
| 15. ERCW Discharge Header B, RM-90-134A, cpm | 1000 |
| 16. ERCW Discharge Header B, RM-90-141A, cpm | 500 |
| 17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm | 30 |
| 18. Shield Building Vent Particulate, RM-90-400A, cpm | 200 |
| 19. Shield Building Vent Total Gas, RM-90-400B, cpm | 50 |
| 20. Shield Building Vent Iodine, RM-90-450, 400C, cpm | 10 |

Remarks:

Data By: _____

T = 1hr
30 min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 0430 Central Unit _____

1. Boron Concentration 900 time
2. Condensate Storage Tank Level U1 30 U2 30
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser X Atmosphere _____
4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 0 gal B 0 gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 66 2. 67 3. 67 4. 66
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 75 2. 74 3. 74 4. 75
LI-3-43A LI-3-56A LI-3-98A LI-3-1
7. Steam Generator Pressure Psig 1. 980 2. 970 3. 980 4. 960
PI-1-2A PI-1-9A PI-1-20A PI-1-2
8. MSIVs closed 1. NO 2. Yes 3. Yes 4. NO
9. Reactor Vessel Level (NR) 70 % (WR) 111% Plenum 70% OFFSCALE
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 61 61
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 2235 (NR) 2240
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig >600 (offscale high)
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 610 2. 600 3. 605 4. 610
TR-68-1 TR-68-24 TR-68-43 TR-6
14. Reactor Coolant System T_{Cold} (WR) °F 1. 545 2. 540 3. 545 4. 550
TR-68-1 TR-68-24 TR-68-45 TR-
15. Reactor Coolant Subcooling Monitor 30°F
16. Reactor Coolant Pumps running 1. — 2. — 3. ✓ 4. —
17. Centrifugal Charging Pumps on A-A _____ B-B _____

T=1hr
30min

- 18. Positive Displacement Pump on C
- 19. Residual Heat Removal Pumps on A _____ B _____
- 20. Safety Injection Pumps on A _____ B _____
- 21. Emergency Core Cooling System (✓) Auto ✓ Manual _____
Mode: Standby ✓ Inj _____ Recirc _____
- 22. Containment Sump Level % 0 0
LI-63-180 LI-63-181
- 23. RWST Level % 97 98
LI-63-50 LI-63-51
- 24. Cold Leg Accumulator Discharge Yes _____ No
- 25. UHI Accumulator Discharge Yes _____ No
- 26. Containment Spray Flow, gpm A 0 B 0
FI-72-34 FI-72-13
- 27. RHR Spray Valves open A _____ B _____
- 28. Containment Pressure, psid 0 0 0 0
PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
- 29. Containment Isolation = Phase A _____ Phase B _____
- 30. Upper Containment Temperature 100°F
TR-56-1, -2
- 31. Lower Containment Temperature 110°F
TI-36-31
- 32. H₂ Concentration 0 % Time _____
1-H21-43-200 (210)
- 33. O₂ Concentration 21 % Time _____
- 34. Source Range, cps N31 _____ N32 _____
IDWR-92-N31 IDWR-92-N32
- 35. Intermediate Range ma N35 4x10⁻⁴ N36 35x10⁻⁴
IDWR-92-N35 IDWR-92-N36
- 36. INCORE thermocouples, °F 1. 620 2. 605 3. 605 4. 610
60 54 44 41
- 37. 6.9kV SD Bus Energized A B
- 38. D/G Running A _____ B _____ C _____
Loaded A _____ B _____ C _____
- 39. Offsite Power Available Yes No _____

ATTACHMENT 2
 DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 0430 Unit 1

Lower Containment Monitor Valve Status Open _____ Closed _____
 Upper Containment Monitor Valve Status Open _____ Closed _____

| | |
|--|---------------|
| 1. Auxiliary Building Vent Particulate, RM-90-101A, cpm | <u>250</u> |
| 2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm | <u>80</u> |
| 3. Auxiliary Building Vent Iodine, RM-90-101C, cpm | <u>10</u> |
| 4. Steam Generator Blowdown, RM-90-120A, cpm | <u>10,000</u> |
| 5. Steam Generator Blowdown, RM-90-121A, cpm | <u>10,000</u> |
| 6. ERCW Discharge Header A, RM-90-133A, cpm | <u>800</u> |
| 7. ERCW Discharge Header A, RM-90-140A, cpm | <u>1500</u> |
| 8. Lower Containment Particulate, RM-90-106A, cpm | <u>5000</u> |
| 9. Lower Containment Total Gas, RM-90-106B, cpm | <u>10,000</u> |
| 10. Lower Containment Iodine, RM-90-106C, cpm | <u>1000</u> |
| 11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm | <u>500</u> |
| 12. Upper Containment Particulate, RM-90-112A, cpm | <u>7500</u> |
| 13. Upper Containment Total Gas, RM-90-112B, cpm | <u>15,000</u> |
| 14. Upper Containment Iodine, RM-90-112C, cpm | <u>3,000</u> |
| 15. ERCW Discharge Header B, RM-90-134A, cpm | <u>1,000</u> |
| 16. ERCW Discharge Header B, RM-90-141A, cpm | <u>40</u> |
| 17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm | <u>600</u> |
| 18. Shield Building Vent Particulate, RM-90-400A, cpm | <u>200</u> |
| 19. Shield Building Vent Total Gas, RM-90-400B, cpm | <u>50</u> |
| 20. Shield Building Vent Iodine, RM-90-450, 400C, cpm | <u>10</u> |

Remarks: _____

Data By: 1

T = 2hr
5 min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 0505 Central Unit _____

1. Boron Concentration 900 ppm time
2. Condensate Storage Tank Level U1 30 U2 30
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser X Atmosphere _____
4. AFW pumps Turb 940 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 470 gal B 0 gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 46 2. 32 3. 32 4. 32
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 72 2. 73 3. 73 4. 73
LI-3-43A LI-3-56A LI-3-98A LI-3-11
7. Steam Generator Pressure Psig 1. 1110 2. 1090 3. 1090 4. 1090
PI-1-2A PI-1-9A PI-1-20A PI-1-27
8. MSIVs closed 1. Yes 2. No 3. No 4. No
9. Reactor Vessel Level (NR) off scale high 70% (WR) 111% Plenum OFFSCALE LOW 70%
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 26% 25%
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 1750 (NR) 1750
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig > 100
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 555 2. 555 3. 555 4. 560
TR-68-1 TR-68-24 TR-68-43 TR-68-
14. Reactor Coolant System T_{Cold} (WR) °F 1. 550 2. 550 3. 550 4. 555
TR-68-1 TR-68-24 TR-68-45 TR-68-
15. Reactor Coolant Subcooling Monitor 6.0%
16. Reactor Coolant Pumps running 1. ✓ 2. ✓ 3. ✓ 4. ✓
17. Centrifugal Charging Pumps on A-A ✓ B-B ✓

18. Positive Displacement Pump on C /
19. Residual Heat Removal Pumps on A / B /
20. Safety Injection Pumps on A / B /
21. Emergency Core Cooling System () Auto Manual
Mode: Standby Inj / Recirc
22. Containment Sump Level % 0 0
LI-63-180 LI-63-181
23. RWST Level % 97 97
LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes No /
25. UHI Accumulator Discharge Yes No /
26. Containment Spray Flow, gpm A 0 B 0
FI-72-34 FI-72-13
27. RHR Spray Valves open A NO B NO
28. Containment Pressure, psid 0 0 0 0
PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A / Phase B N6
30. Upper Containment Temperature 100 °F
TR-56-1, -2
31. Lower Containment Temperature 110 °F
TI-36-31
32. H₂ Concentration 0 % Time
1-H21-43-200 (210)
33. O₂ Concentration 21 % Time
34. Source Range, cps N31 2x10⁴ N32 2x10⁴
IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻¹⁰ N36 10⁻¹⁰
IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 555 2. 560 3. 555 4. 560
60 54 44 41
37. 6.9kV SD Bus Energized A / B /
38. D/G Running A / B / C /
Loaded A NO B NO C NO
39. Offsite Power Available Yes / No

ATTACHMENT 2
 DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 0505 Unit 1

Lower Containment Monitor Valve Status Open _____ Closed _____
 Upper Containment Monitor Valve Status Open _____ Closed _____

| | |
|--|---------------|
| 1. Auxiliary Building Vent Particulate, RM-90-101A, cpm | <u>250</u> |
| 2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm | <u>80</u> |
| 3. Auxiliary Building Vent Iodine, RM-90-101C, cpm | <u>10</u> |
| 4. Steam Generator Blowdown, RM-90-120A, cpm | <u>20,000</u> |
| 5. Steam Generator Blowdown, RM-90-121A, cpm | <u>20,000</u> |
| 6. ERCW Discharge Header A, RM-90-133A, cpm | <u>800</u> |
| 7. ERCW Discharge Header A, RM-90-140A, cpm | <u>1500</u> |
| 8. Lower Containment Particulate, RM-90-106A, cpm | <u>5000</u> |
| 9. Lower Containment Total Gas, RM-90-106B, cpm | <u>10,000</u> |
| 10. Lower Containment Iodine, RM-90-106C, cpm | <u>1000</u> |
| 11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm | <u>750</u> |
| 12. Upper Containment Particulate, RM-90-112A, cpm | <u>7500</u> |
| 13. Upper Containment Total Gas, RM-90-112B, cpm | <u>15,000</u> |
| 14. Upper Containment Iodine, RM-90-112C, cpm | <u>3,000</u> |
| 15. ERCW Discharge Header B, RM-90-134A, cpm | <u>1,000</u> |
| 16. ERCW Discharge Header B, RM-90-141A, cpm | <u>500</u> |
| 17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm | <u>50</u> |
| 18. Shield Building Vent Particulate, RM-90-400A, cpm | <u>200</u> |
| 19. Shield Building Vent Total Gas, RM-90-400B, cpm | <u>50</u> |
| 20. Shield Building Vent Iodine, RM-90-450, 400C, cpm | <u>10</u> |

Remarks: _____

Data By: _____

T = 2 hrs
30 min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 0530 Central Unit _____

1. Boron Concentration _____ time
2. Condensate Storage Tank Level U1 28 U2 30
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser Atmosphere _____
4. AFW pumps Turb 0 gal A 0 gal B _____ gal
FI-3-142 FI-3-163A FI-3-147A
A 470 gal B _____ gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 80 2. 38 3. 7 4. 7
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 90 2. 75 3. 60 4. 60
LI-3-43A LI-3-56A LI-3-98A LI-3-11
varies
7. Steam Generator Pressure Psig 1. 1140-1185 2. 885 3. 1045 4. 1045
PI-1-2A PI-1-9A PI-1-20A PI-1-27
8. MSIVs closed 1. 2. _____ 3. 4.
9. Reactor Vessel Level (NR) OFFSCALE HIGH 70% (WR) 111% Plenum OFFSCALE LOW 70%
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 10 10
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 1480 (NR) 1480
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig >600
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 550 2. 545 3. 545 4. 550
TR-68-1 TR-68-24 TR-68-43 TR-68-
14. Reactor Coolant System T_{Cold} (WR) °F 1. 545 2. 540 3. 540 4. 545
TR-68-1 TR-68-24 TR-68-45 TR-6
15. Reactor Coolant Subcooling Monitor 45°F
16. Reactor Coolant Pumps running 1. _____ 2. _____ 3. _____ 4. _____
17. Centrifugal Charging Pumps on A-A B-B

18. Positive Displacement Pump on C No
19. Residual Heat Removal Pumps on A No B No
20. Safety Injection Pumps on A ✓ B ✓
21. Emergency Core Cooling System (✓) Auto Manual ✓
Mode: Standby Inj ✓ Recirc
22. Containment Sump Level % 0 0
LI-63-180 LI-63-181
23. RWST Level % 94 94
LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes No ✓
25. UHI Accumulator Discharge Yes No ✓
26. Containment Spray Flow, gpm A 0 B 0
FI-72-34 FI-72-13
27. RHR Spray Valves open A B
28. Containment Pressure, psid 0 0 0 0
PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A ✓ Phase B
30. Upper Containment Temperature 100 °F
TR-56-1, -2
31. Lower Containment Temperature 110 °F
TI-36-31
32. H₂ Concentration 0 % Time
1-H21-43-200 (210)
33. O₂ Concentration 21 % Time
34. Source Range, cps N31 10⁴ N32 10⁴
IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻¹⁰ N36 10⁻¹⁰
IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 555 2. 555 3. 555 4. 555
60 54 44 41
37. 6.9kV SD Bus Energized A ✓ B ✓
38. D/G Running A No B No C No
Loaded A B C
39. Offsite Power Available Yes ✓ No

T = 3hr

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 0600 Central Unit _____

1. Boron Concentration _____ time

2. Condensate Storage Tank Level U1 27 U2 30
LI-2-230 LI-2-233

3. Steam Generator Heat Sink in use: Condenser ✓ Atmosphere _____

4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A

5. Steam Generator Level (NR), % 1. 100 2. 30 3. 7 4. 7
LI-3-39 LI-3-52 LI-3-94 LI-3-10

6. Steam Generator Level (WR), % 1. 100 2. 72 3. 60 4. 60
LI-3-43A LI-3-56A LI-3-98A LI-3-

7. Steam Generator Pressure Psig 1. 1140-1185 2. 850 3. 885 4. 890
^{cycles} PI-1-2A PI-1-9A PI-1-20A PI-1-

8. MSIVs closed 1. X 2. _____ 3. X 4. X

9. Reactor Vessel Level (NR) off scale % (WR) 111% Plenum 70% off scale
LI-68-370 LI-68-371 LI-68-372

10. Pressurizer Level, % 55 55
LI-68-335A LI-68-320

11. Pressurizer Pressure Psig (WR) 1340 (NR) 1340
PI-68-342A PI-68-340A

12. Reactor Coolant Loop 4 Hot Leg Pressure, psig 7600
PR-68-66

13. Reactor Coolant System T_{Hot} (WR) °F 1. 530 2. 530 3. 530 4. 530
TR-68-1 TR-68-24 TR-68-43 TR-

14. Reactor Coolant System T_{Cold} (WR) °F 1. 525 2. 530 3. 525 4. 50
TR-68-1 TR-68-24 TR-68-45 TR

15. Reactor Coolant Subcooling Monitor 50°F

16. Reactor Coolant Pumps running 1. _____ 2. _____ 3. _____ 4. _____

17. Centrifugal Charging Pumps on A-A _____ B-B _____

18. Positive Displacement Pump on C No
19. Residual Heat Removal Pumps on A No B No
20. Safety Injection Pumps on A — B —
21. Emergency Core Cooling System (✓) Auto — Manual ✓
 Mode: Standby — Inj ✓ Recirc —
22. Containment Sump Level % 0 0
 LI-63-180 LI-63-181
23. RWST Level % 91 91
 LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes — No ✓
25. UHI Accumulator Discharge Yes — No ✓
26. Containment Spray Flow, gpm A 0 B 0
 FI-72-34 FI-72-13
27. RHR Spray Valves open A No B No
28. Containment Pressure, psid 0 0 0 0
 PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A ✓ Phase B —
30. Upper Containment Temperature 100
 TR-56-1, -2
31. Lower Containment Temperature 110
 TI-36-31
32. H₂ Concentration 0 % Time —
 1-H21-43-200 (210)
33. O₂ Concentration 21 % Time —
34. Source Range, cps N31 10³ N32 10³
 IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 2 × 10⁻⁴ N36 10⁻⁴
 IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 530 2. 535 3. 530 4. 535
 60 54 44 41
37. 6.9kV SD Bus Energized A ✓ B ✓
38. D/G Running A — B — C No
 Loaded A — B — C —
39. Offsite Power Available Yes ✓ No —

ATTACHMENT 2
 DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 0600 Unit 1

Lower Containment Monitor Valve Status Open _____ Closed _____
 Upper Containment Monitor Valve Status Open _____ Closed _____

| | |
|--|---------------|
| 1. Auxiliary Building Vent Particulate, RM-90-101A, cpm | <u>250</u> |
| 2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm | <u>80</u> |
| 3. Auxiliary Building Vent Iodine, RM-90-101C, cpm | <u>10</u> |
| 4. Steam Generator Blowdown, RM-90-120A, cpm | <u>19,500</u> |
| 5. Steam Generator Blowdown, RM-90-121A, cpm | <u>19,500</u> |
| 6. ERCW Discharge Header A, RM-90-133A, cpm | <u>800</u> |
| 7. ERCW Discharge Header A, RM-90-140A, cpm | <u>1500</u> |
| 8. Lower Containment Particulate, RM-90-106A, cpm | <u>5000</u> |
| 9. Lower Containment Total Gas, RM-90-106B, cpm | <u>10,000</u> |
| 10. Lower Containment Iodine, RM-90-106C, cpm | <u>1000</u> |
| 11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm | <u>700</u> |
| 12. Upper Containment Particulate, RM-90-112A, cpm | <u>7500</u> |
| 13. Upper Containment Total Gas, RM-90-112B, cpm | <u>15,000</u> |
| 14. Upper Containment Iodine, RM-90-112C, cpm | <u>3,000</u> |
| 15. ERCW Discharge Header B, RM-90-134A, cpm | <u>1000</u> |
| 16. ERCW Discharge Header B, RM-90-141A, cpm | <u>500</u> |
| 17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm | <u>40</u> |
| 18. Shield Building Vent Particulate, RM-90-400A, cpm | <u>200</u> |
| 19. Shield Building Vent Total Gas, RM-90-400B, cpm | <u>50</u> |
| 20. Shield Building Vent Iodine, RM-90-450, 400C, cpm | <u>10</u> |

Remarks: _____

Data By: _____

T=3 hr
30 min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 0630 Central Unit _____

1. Boron Concentration _____ time
2. Condensate Storage Tank Level U1 76 U2 30
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser / Atmosphere _____
4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 100 2. 0 3. 7 4. 7
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 100 2. 40 3. 60 4. 60
LI-3-43A LI-3-56A LI-3-98A LI-3-1
7. Steam Generator Pressure Psig 1. 1140-1185 2. 850 3. 850 4. 960
PI-1-2A PI-1-9A PI-1-20A PI-1-2
8. MSIVs closed 1. X 2. _____ 3. _____ 4. X
9. Reactor Vessel Level (NR) off scale high 70% (WR) 111% Plenum 10% off scale low
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 80 80
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 1250 (NR) 1250
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig off scale high >600
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 540 2. 545 3. 545 4. 540
TR-68-1 TR-68-24 TR-68-43 TR-68-6
14. Reactor Coolant System T_{Cold} (WR) °F 1. 540 2. 540 3. 540 4. 540
TR-68-1 TR-68-24 TR-68-45 TR-
15. Reactor Coolant Subcooling Monitor 30 °F
16. Reactor Coolant Pumps running 1. / 2. / 3. / 4. /
17. Centrifugal Charging Pumps on A-A / B-B /

18. Positive Displacement Pump on C No
19. Residual Heat Removal Pumps on A No B No
20. Safety Injection Pumps on A No B No
21. Emergency Core Cooling System (✓) Auto _____ Manual ✓
 Mode: Standby _____ Inj ✓ Recirc _____
22. Containment Sump Level % 0 0
 LI-63-180 LI-63-181
23. RWST Level % 88 88
 LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No ✓
25. UHI Accumulator Discharge Yes _____ No ✓
26. Containment Spray Flow, gpm A 0 B 0
 FI-72-34 FI-72-13
27. RHR Spray Valves open A _____ B _____
28. Containment Pressure, psid 0 0 0 0
 PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A ✓ Phase B _____
30. Upper Containment Temperature 100
 TR-56-1, -2
31. Lower Containment Temperature 110
 TI-36-31
32. H₂ Concentration 0 % Time _____
 1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 500 N32 500
 IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻¹⁰ N36 10⁻¹⁰
 IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 540 2. 540 3. 545 4. 545
 60 54 44 41
37. 6.9kV SD Bus Energized A ✓ B ✓
38. D/G Running A _____ B _____ C _____
 Loaded A _____ B _____ C _____
39. Offsite Power Available Yes ✓ No _____

T = 4h
30min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 0730 Central Unit _____

1. Boron Concentration _____ time
2. Condensate Storage Tank Level U1 25 U2 30
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser / Atmosphere _____
4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 100 2. 0 3. 0 4. 7
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 100 2. 40 3. 0 4. 60
LI-3-43A LI-3-56A LI-3-98A LI-3-107
7. Steam Generator Pressure Psig 1. 1150 2. 850 3. 850 4. 850
PI-1-2A PI-1-9A PI-1-20A PI-1-20
8. MSIVs closed 1. X 2. _____ 3. _____ 4. _____
9. Reactor Vessel Level (NR) > 70 % (WR) 11% Plenum 470%
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 88 88
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 1150 (NR) 1150
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig > 600 at scale high
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 500 2. 545 3. 550 4. 545
TR-68-1 TR-68-24 TR-68-43 TR-68-45
14. Reactor Coolant System T_{Cold} (WR) °F 1. 545 2. 540 3. 545 4. 545
TR-68-1 TR-68-24 TR-68-45 TR-68-45
15. Reactor Coolant Subcooling Monitor 10°F
16. Reactor Coolant Pumps running 1. - 2. - 3. - 4. -
17. Centrifugal Charging Pumps on A-A - B-B -

18. Positive Displacement Pump on C NO
19. Residual Heat Removal Pumps on A NO B NO
20. Safety Injection Pumps on A NO B NO
21. Emergency Core Cooling System (✓) Auto _____ Manual ✓
 Mode: Standby _____ Inj ✓ Recirc _____
22. Containment Sump Level % 0 0
 LI-63-180 LI-63-181
23. RWST Level % 82 82
 LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No ✓
25. UHI Accumulator Discharge Yes _____ No ✓
26. Containment Spray Flow, gpm A 0 B 0
 FI-72-34 FI-72-13
27. RHR Spray Valves open A _____ B _____
28. Containment Pressure, psid 0 0 0 0
 PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A ✓ Phase B _____
30. Upper Containment Temperature 100
 TR-56-1, -2
31. Lower Containment Temperature 110
 TI-36-31
32. H₂ Concentration 0 % Time _____
 1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 20 N32 20
 IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10" N36 10"
 IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 550 2. 550 3. 550 4. 550
 60 54 44 41
37. 6.9kV SD Bus Energized A ✓ B ✓
38. D/G Running A _____ B _____ C _____
 Loaded A _____ B _____ C _____
39. Offsite Power Available Yes ✓ No _____

ATTACHMENT 2
 DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 0730 Unit 1

Lower Containment Monitor Valve Status Open _____ Closed _____
 Upper Containment Monitor Valve Status Open _____ Closed _____

| | |
|--|---------------|
| 1. Auxiliary Building Vent Particulate, RM-90-101A, cpm | <u>250</u> |
| 2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm | <u>80</u> |
| 3. Auxiliary Building Vent Iodine, RM-90-101C, cpm | <u>10</u> |
| 4. Steam Generator Blowdown, RM-90-120A, cpm | <u>19,000</u> |
| 5. Steam Generator Blowdown, RM-90-121A, cpm | <u>19,000</u> |
| 6. ERCW Discharge Header A, RM-90-133A, cpm | <u>800</u> |
| 7. ERCW Discharge Header A, RM-90-140A, cpm | <u>1500</u> |
| 8. Lower Containment Particulate, RM-90-106A, cpm | <u>5000</u> |
| 9. Lower Containment Total Gas, RM-90-106B, cpm | <u>10,000</u> |
| 10. Lower Containment Iodine, RM-90-106C, cpm | <u>1000</u> |
| 11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm | <u>450</u> |
| 12. Upper Containment Particulate, RM-90-112A, cpm | <u>7500</u> |
| 13. Upper Containment Total Gas, RM-90-112B, cpm | <u>15,000</u> |
| 14. Upper Containment Iodine, RM-90-112C, cpm | <u>3000</u> |
| 15. ERCW Discharge Header B, RM-90-134A, cpm | <u>1000</u> |
| 16. ERCW Discharge Header B, RM-90-141A, cpm | <u>500</u> |
| 17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm | <u>30</u> |
| 18. Shield Building Vent Particulate, RM-90-400A, cpm | <u>200</u> |
| 19. Shield Building Vent Total Gas, RM-90-400B, cpm | <u>50</u> |
| 20. Shield Building Vent Iodine, RM-90-450, 400C, cpm | <u>10</u> |

Remarks: _____

Data By: _____

T = 5hr
30min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 0830 Central Unit _____

1. Boron Concentration _____ time
2. Condensate Storage Tank Level U1 24 U2 30
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser Atmosphere _____
4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 100 2. 0 3. 0 4. 0
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 100 2. 2 3. 0 4. 0
LI-3-43A LI-3-56A LI-3-98A LI-3-11
7. Steam Generator Pressure Psig 1. 1090 2. 850 3. 850 4. 850
PI-1-2A PI-1-9A PI-1-20A PI-1-27
8. MSIVs closed 1. X 2. _____ 3. _____ 4. _____
9. Reactor Vessel Level (NR) > 70 % (WR) 1170 Plenum 470%
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 90 90
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 1090 (NR) 1090
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig > 600 (6.11 scale High)
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 530 2. 530 3. 530 4. 530
TR-68-1 TR-68-24 TR-68-43 TR-68-
14. Reactor Coolant System T_{Cold} (WR) °F 1. 530 2. 530 3. 530 4. 530
TR-68-1 TR-68-24 TR-68-45 TR-6
15. Reactor Coolant Subcooling Monitor 25°F
16. Reactor Coolant Pumps running 1. ✓ 2. ✓ 3. ✓ 4. ✓
17. Centrifugal Charging Pumps on A-A ✓ B-B ✓

18. Positive Displacement Pump on C No
19. Residual Heat Removal Pumps on A No B No
20. Safety Injection Pumps on A No B No
21. Emergency Core Cooling System (✓) Auto _____ Manual ✓
 Mode: Standby _____ Inj ✓ Recirc _____
22. Containment Sump Level % 0 0
 LI-63-180 LI-63-181
23. RWST Level % 76 76
 LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No ✓
25. UHI Accumulator Discharge Yes _____ No ✓
26. Containment Spray Flow, gpm A 0 B 0
 FI-72-34 FI-72-13
27. RHR Spray Valves open A No B No
28. Containment Pressure, psid 0 0 0 0
 PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A ✓ Phase B _____
30. Upper Containment Temperature 100
 TR-56-1, -2
31. Lower Containment Temperature 110
 TI-36-31
32. H₂ Concentration 0 % Time _____
 1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 20 N32 20
 IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻¹¹ N36 10⁻¹¹
 IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 535 2. 535 3. 535 4. 535
 60 54 44 41
37. 6.9kV SD Bus Energized A ✓ B ✓
38. D/G Running A _____ B _____ C _____
 Loaded A _____ B _____ C _____
39. Offsite Power Available Yes ✓ No _____

T = 6hr
15min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 0915 Central Unit _____

- Boron Concentration _____ time
- Condensate Storage Tank Level U1 23 U2 30
LI-2-230 LI-2-233
- Steam Generator Heat Sink in use: Condenser Atmosphere _____
- AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A
- Steam Generator Level (NR), % 1. 100 2. 0 3. 0 4. 0
LI-3-39 LI-3-52 LI-3-94 LI-3-107
- Steam Generator Level (WR), % 1. 100 2. 2 3. 0 4. 0
LI-3-43A LI-3-56A LI-3-98A LI-3-1
- Steam Generator Pressure Psig 1. 1090 2. 850 3. 850 4. 850
PI-1-2A PI-1-9A PI-1-20A PI-1-2
- MSIVs closed 1. X 2. _____ 3. _____ 4. _____
- Reactor Vessel Level (NR) > 70 % (WR) 111% Plenum 470%
LI-68-370 LI-68-371 LI-68-372
- Pressurizer Level, % 90 90
LI-68-335A LI-68-320
- Pressurizer Pressure Psig (WR) 1090 (NR) 1090
PI-68-342A PI-68-340A
- Reactor Coolant Loop 4 Hot Leg Pressure, psig > 600
PR-68-66
- Reactor Coolant System T_{Hot} (WR) °F 1. 545 2. 545 3. 545 4. 545
TR-68-1 TR-68-24 TR-68-43 TR-6
- Reactor Coolant System T_{Cold} (WR) °F 1. 545 2. 545 3. 545 4. 545
TR-68-1 TR-68-24 TR-68-45 TR-
- Reactor Coolant Subcooling Monitor 10°F
- Reactor Coolant Pumps running 1. / 2. / 3. / 4. /
- Centrifugal Charging Pumps on A-A / B-B /

18. Positive Displacement Pump on C _____
19. Residual Heat Removal Pumps on A _____ B _____
20. Safety Injection Pumps on A B
21. Emergency Core Cooling System (✓) Auto _____ Manual
 Mode: Standby _____ Inj Recirc _____
22. Containment Sump Level % 0 0
 LI-63-180 LI-63-181
23. RWST Level % 74 74
 LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No
25. UHI Accumulator Discharge Yes _____ No
26. Containment Spray Flow, gpm A 0 B 0
 FI-72-34 FI-72-13
27. RHR Spray Valves open A _____ B _____
28. Containment Pressure, psid 0 0 0 0
 PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A Phase B _____
30. Upper Containment Temperature 100
 TR-56-1, -2
31. Lower Containment Temperature 110
 TI-36-31
32. H₂ Concentration 0 % Time _____
 1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 10 N32 10
 IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻¹¹ N36 10⁻¹¹
 IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 550 2. 550 3. 550 4. 550
 60 54 44 41
37. 6.9kV SD Bus Energized A B
38. D/G Running A _____ B _____ C _____
 Loaded A _____ B _____ C _____
39. Offsite Power Available Yes No _____

ATTACHMENT 2
DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 0915 Unit 1

Lower Containment Monitor Valve Status Open _____ Closed _____
Upper Containment Monitor Valve Status Open _____ Closed _____

| | |
|--|---------------|
| 1. Auxiliary Building Vent Particulate, RM-90-101A, cpm | <u>250</u> |
| 2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm | <u>80</u> |
| 3. Auxiliary Building Vent Iodine, RM-90-101C, cpm | <u>10</u> |
| 4. Steam Generator Blowdown, RM-90-120A, cpm | <u>18,600</u> |
| 5. Steam Generator Blowdown, RM-90-121A, cpm | <u>18,600</u> |
| 6. ERCW Discharge Header A, RM-90-133A, cpm | <u>800</u> |
| 7. ERCW Discharge Header A, RM-90-140A, cpm | <u>1500</u> |
| 8. Lower Containment Particulate, RM-90-106A, cpm | <u>5000</u> |
| 9. Lower Containment Total Gas, RM-90-106B, cpm | <u>10,000</u> |
| 10. Lower Containment Iodine, RM-90-106C, cpm | <u>1,000</u> |
| 11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm | <u>450</u> |
| 12. Upper Containment Particulate, RM-90-112A, cpm | <u>7500</u> |
| 13. Upper Containment Total Gas, RM-90-112B, cpm | <u>15,000</u> |
| 14. Upper Containment Iodine, RM-90-112C, cpm | <u>3000</u> |
| 15. ERCW Discharge Header B, RM-90-134A, cpm | <u>1000</u> |
| 16. ERCW Discharge Header B, RM-90-141A, cpm | <u>500</u> |
| 17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm | <u>30</u> |
| 18. Shield Building Vent Particulate, RM-90-400A, cpm | <u>200</u> |
| 19. Shield Building Vent Total Gas, RM-90-400B, cpm | <u>50</u> |
| 20. Shield Building Vent Iodine, RM-90-450, 400C, cpm | <u>10</u> |

Remarks: _____

Data By: _____

T=6hrs
45min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 0945 Central Unit _____

1. Boron Concentration _____ time
2. Condensate Storage Tank Level U1 22 U2 30
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser ✓ Atmosphere ✓ RVI
4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 100 2. 0 3. 0 4. 0
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 100 2. 2 3. 0 4. 0
LI-3-43A LI-3-56A LI-3-98A LI-3-107
7. Steam Generator Pressure Psig 1. 1185 2. 885 3. 885 4. 885
PI-1-2A PI-1-9A PI-1-20A PI-1-20B
8. MSIVs closed 1. X 2. _____ 3. _____ 4. _____
9. Reactor Vessel Level (NR) > 70 % (WR) 111% Pleum < 70%
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 90 90
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 1200 (NR) 1200
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig > 600
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 555 2. 555 3. 555 4. 555
TR-68-1 TR-68-24 TR-68-43 TR-68-45
14. Reactor Coolant System T_{Cold} (WR) °F 1. 555 2. 555 3. 555 4. 555
TR-68-1 TR-68-24 TR-68-45 TR-68-45
15. Reactor Coolant Subcooling Monitor 10 °F
16. Reactor Coolant Pumps running 1. ✓ 2. ✓ 3. ✓ 4. ✓
17. Centrifugal Charging Pumps on A-A ✓ B-B ✓

18. Positive Displacement Pump on C NO
19. Residual Heat Removal Pumps on A NO B NO
20. Safety Injection Pumps on A ✓ B ✓
21. Emergency Core Cooling System (✓) Auto _____ Manual ✓
Mode: Standby _____ Inj ✓ Recirc _____
22. Containment Sump Level % 0 0
LI-63-180 LI-63-181
23. RWST Level % 72 72
LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No ✓
25. UHI Accumulator Discharge Yes _____ No ✓
26. Containment Spray Flow, gpm A 0 B 0
FI-72-34 FI-72-13
27. RHR Spray Valves open A _____ B _____
28. Containment Pressure, psid 0 0 0 0
PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A ✓ Phase B _____
30. Upper Containment Temperature 100
TR-56-1, -2
31. Lower Containment Temperature 110
TI-36-31
32. H₂ Concentration 0 % Time _____
1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 10 N32 _____
IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻⁴ N36 _____
IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 560 2. 560 3. 560 4. 560
60 54 44 41
37. 6.9kV SD Bus Energized A ✓ B ✓
38. D/G Running A _____ B _____ C _____
Loaded A _____ B _____ C _____
39. Offsite Power Available Yes ✓ No _____

ATTACHMENT 2
DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 0945 Unit 1

| | Open | Closed |
|--|------------|---------------|
| Lower Containment Monitor Valve Status | _____ | _____ |
| Upper Containment Monitor Valve Status | Open _____ | Closed _____ |
| 1. Auxiliary Building Vent Particulate, RM-90-101A, cpm | | <u>250</u> |
| 2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm | | <u>80</u> |
| 3. Auxiliary Building Vent Iodine, RM-90-101C, cpm | | <u>10</u> |
| 4. Steam Generator Blowdown, RM-90-120A, cpm | | <u>18,400</u> |
| 5. Steam Generator Blowdown, RM-90-121A, cpm | | <u>18,400</u> |
| 6. ERCW Discharge Header A, RM-90-133A, cpm | | <u>800</u> |
| 7. ERCW Discharge Header A, RM-90-140A, cpm | | <u>1500</u> |
| 8. Lower Containment Particulate, RM-90-106A, cpm | | <u>5000</u> |
| 9. Lower Containment Total Gas, RM-90-106B, cpm | | <u>10,000</u> |
| 10. Lower Containment Iodine, RM-90-106C, cpm | | <u>1000</u> |
| 11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm | | <u>450</u> |
| 12. Upper Containment Particulate, RM-90-112A, cpm | | <u>7500</u> |
| 13. Upper Containment Total Gas, RM-90-112B, cpm | | <u>15,000</u> |
| 14. Upper Containment Iodine, RM-90-112C, cpm | | <u>3000</u> |
| 15. ERCW Discharge Header B, RM-90-134A, cpm | | <u>1000</u> |
| 16. ERCW Discharge Header B, RM-90-141A, cpm | | <u>500</u> |
| 17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm | | <u>30</u> |
| 18. Shield Building Vent Particulate, RM-90-400A, cpm | | <u>200</u> |
| 19. Shield Building Vent Total Gas, RM-90-400B, cpm | | <u>50</u> |
| 20. Shield Building Vent Iodine, RM-90-450, 400C, cpm | | <u>10</u> |

Remarks: _____

Data By: _____

T=7 hrs
15 min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 1015 Central Unit _____

1. Boron Concentration _____ time

2. Condensate Storage Tank Level U1 22 U2 30
LI-2-230 LI-2-233

3. Steam Generator Heat Sink in use: Condenser ✓ Atmosphere _____

4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A

5. Steam Generator Level (NR), % 1. 100 2. 0 3. 0 4. 0
LI-3-39 LI-3-52 LI-3-94 LI-3-107

6. Steam Generator Level (WR), % 1. 100 2. 1 3. 0 4. 0
LI-3-43A LI-3-56A LI-3-98A LI-3-11

7. Steam Generator Pressure Psig 1. 650 2. 960 3. 960 4. 960
PI-1-2A PI-1-9A PI-1-20A PI-1-27

8. MSIVs closed 1. X 2. _____ 3. _____ 4. _____

9. Reactor Vessel Level (NR) >70 % (WR) 117% Plenum 478
LI-68-370 LI-68-371 LI-68-372

10. Pressurizer Level, % 95 90
LI-68-335A LI-68-320

11. Pressurizer Pressure Psig (WR) 1170 (NR) 1170
PI-68-342A PI-68-340A

12. Reactor Coolant Loop 4 Hot Leg Pressure, psig >600
PR-68-66

13. Reactor Coolant System T_{Hot} (WR) °F 1. 560 2. 560 3. 560 4. 560
TR-68-1 TR-68-24 TR-68-43 TR-68

14. Reactor Coolant System T_{Cold} (WR) °F 1. 555 2. 560 3. 555 4. 555
TR-68-1 TR-68-24 TR-68-45 TR-6

15. Reactor Coolant Subcooling Monitor 5 °F

16. Reactor Coolant Pumps running 1. ✓ 2. ✓ 3. ✓ 4. ✓

17. Centrifugal Charging Pumps on A-A ✓ B-B ✓

18. Positive Displacement Pump on C _____
19. Residual Heat Removal Pumps on A _____ B _____
20. Safety Injection Pumps on A B
21. Emergency Core Cooling System (✓) Auto _____ Manual
Mode: Standby _____ Inj Recirc _____
22. Containment Sump Level % 0 0
LI-63-180 LI-63-181
23. RWST Level % 70 70
LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No
25. UHI Accumulator Discharge Yes _____ No
26. Containment Spray Flow, gpm A 0 B 0
FI-72-34 FI-72-13
27. RHR Spray Valves open A _____ B _____
28. Containment Pressure, psid 0 0 0 0
PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A Phase B _____
30. Upper Containment Temperature 110
TR-56-1, -2
31. Lower Containment Temperature 120
TI-36-31
32. H₂ Concentration 0 % Time _____
1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 10 N32 10
IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻ N36 10⁻
IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 565 2. 565 3. 560 4. 565
60 54 44 41
37. 6.9kV SD Bus Energized A B
38. D/G Running A _____ B _____ C _____
Loaded A _____ B _____ C _____
39. Offsite Power Available Yes No _____

T = 7 hrs
40 min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 1040 Central Unit _____

1. Boron Concentration _____ time
2. Condensate Storage Tank Level U1 22 U2 _____
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser ✓ Atmosphere ✓
4. AFW pumps Turb 0 gal A 0 gal B _____ gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B _____ gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 100 2. 0 3. 0 4. 0
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 100 2. 1 3. 0 4. 0
LI-3-43A LI-3-56A LI-3-98A LI-3-1
7. Steam Generator Pressure Psig 1. 580 2. 680 3. 680 4. 680
PI-1-2A PI-1-9A PI-1-20A PI-1-2
8. MSIVs closed 1. X 2. _____ 3. _____ 4. _____
9. Reactor Vessel Level (NR) >70 % (WR) 111% Plenum 70
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 90 95
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 1100 (NR) 1100
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig >600
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 520 2. 520 3. 520 4. 520
TR-68-1 TR-68-24 TR-68-43 TR-68
14. Reactor Coolant System T_{Cold} (WR) °F 1. 510 2. 510 3. 510 4. 510
TR-68-1 TR-68-24 TR-68-45 TR-68
15. Reactor Coolant Subcooling Monitor 35°F
16. Reactor Coolant Pumps running 1. OFF 2. OFF 3. OFF 4. OFF
17. Centrifugal Charging Pumps on A-A ✓ B-B ✓

18. Positive Displacement Pump on C _____
19. Residual Heat Removal Pumps on A _____ B _____
20. Safety Injection Pumps on A ✓ B ✓
21. Emergency Core Cooling System (✓) Auto _____ Manual ✓
 Mode: Standby _____ Inj ✓ Recirc _____
22. Containment Sump Level % 0 0
 LI-63-180 LI-63-181
23. RWST Level % 67 67
 LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No ✓
25. UHI Accumulator Discharge Yes _____ No ✓
26. Containment Spray Flow, gpm A 4750 B 4750
 FI-72-34 FI-72-13
27. RHR Spray Valves open A NO B NO
28. Containment Pressure, psid 3 3 3 3
 PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A ✓ Phase B ✓
30. Upper Containment Temperature 150
 TR-56-1, -2
31. Lower Containment Temperature 150
 TI-36-31
32. H₂ Concentration 0 % Time _____
 1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 10 N32 _____
 IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻¹² N36 10⁻¹²
 IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 570 2. 520 3. 525 4. 520
 60 54 44 41
37. 6.9kV SD Bus Energized A ✓ B ✓
38. D/G Running A _____ B _____ C _____
 Loaded A _____ B _____ C _____
39. Offsite Power Available Yes ✓ No _____

ATTACHMENT 2
DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 1040 Unit 1

Lower Containment Monitor Valve Status Open _____ Closed _____
Upper Containment Monitor Valve Status Open _____ Closed _____

1. Auxiliary Building Vent Particulate, RM-90-101A, cpm 250
2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm 80
3. Auxiliary Building Vent Iodine, RM-90-101C, cpm 10
4. Steam Generator Blowdown, RM-90-120A, cpm 18,000
5. Steam Generator Blowdown, RM-90-121A, cpm 18,000
6. ERCW Discharge Header A, RM-90-133A, cpm 800
7. ERCW Discharge Header A, RM-90-140A, cpm 1500
8. Lower Containment Particulate, RM-90-106A, cpm 5000
9. Lower Containment Total Gas, RM-90-106B, cpm 10,000
10. Lower Containment Iodine, RM-90-106C, cpm 1000
11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm 450
12. Upper Containment Particulate, RM-90-112A, cpm 7500
13. Upper Containment Total Gas, RM-90-112B, cpm 15,000
14. Upper Containment Iodine, RM-90-112C, cpm 3000
15. ERCW Discharge Header B, RM-90-134A, cpm 1000
16. ERCW Discharge Header B, RM-90-141A, cpm 500
17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm 30
18. Shield Building Vent Particulate, RM-90-400A, cpm 200
19. Shield Building Vent Total Gas, RM-90-400B, cpm 50
20. Shield Building Vent Iodine, RM-90-450, 400C, cpm 10

Remarks: _____

Data By: _____

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 1100 Central Unit _____

1. Boron Concentration _____ time
2. Condensate Storage Tank Level U1 21 U2 _____
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser ✓ Atmosphere RV
4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 100 2. 0 3. 0 4. 0
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 100 2. 1 3. 0 4. 0
LI-3-43A LI-3-56A LI-3-98A LI-3-107
7. Steam Generator Pressure Psig 1. 570 2. 680 3. 680 4. 680
PI-1-2A PI-1-9A PI-1-20A PI-1-20A
8. MSIVs closed 1. X 2. _____ 3. _____ 4. _____
9. Reactor Vessel Level (NR) > 70 % (WR) 111 Pleum < 70
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 95 95
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 1090 (NR) 1090
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig > 600
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 515 2. 515 3. 515 4. 515
TR-68-1 TR-68-24 TR-68-43 TR-68-45
14. Reactor Coolant System T_{Cold} (WR) °F 1. 505 2. 505 3. 505 4. 505
TR-68-1 TR-68-24 TR-68-45 TR-68-45
15. Reactor Coolant Subcooling Monitor 40°F
16. Reactor Coolant Pumps running 1. NO 2. NO 3. NO 4. NO
17. Centrifugal Charging Pumps on A-A ✓ B-B ✓

18. Positive Displacement Pump on C _____
19. Residual Heat Removal Pumps on A _____ B _____
20. Safety Injection Pumps on A B
21. Emergency Core Cooling System (✓) Auto _____ Manual
 Mode: Standby _____ Inj Recirc _____
22. Containment Sump Level % 33 33
 LI-63-180 LI-63-181
23. RWST Level % 12 12
 LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No
25. UHI Accumulator Discharge Yes _____ No
26. Containment Spray Flow, gpm A 4750 B 4750
 FI-72-34 FI-72-13
27. RHR Spray Valves open A NO B NO
28. Containment Pressure, psid 2 2 2 2
 PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A Phase B
30. Upper Containment Temperature 160
 TR-56-1, -2
31. Lower Containment Temperature 160
 TI-36-31
32. H₂ Concentration 0 % Time _____
 1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 _____ N32 _____
 IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻¹³ N36 10⁻¹³
 IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 520 2. 520 3. 520 4. 520
 60 54 44 41
37. 6.9kV SD Bus Energized A B
38. D/G Running A _____ B _____ C _____
 Loaded A _____ B _____ C _____
39. Offsite Power Available Yes No _____

ATTACHMENT 2
DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 1100 Unit 1

Lower Containment Monitor Valve Status Open _____ Closed _____
Upper Containment Monitor Valve Status Open _____ Closed _____

| | |
|--|---------------|
| 1. Auxiliary Building Vent Particulate, RM-90-101A, cpm | <u>250</u> |
| 2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm | <u>80</u> |
| 3. Auxiliary Building Vent Iodine, RM-90-101C, cpm | <u>10</u> |
| 4. Steam Generator Blowdown, RM-90-120A, cpm | <u>17,800</u> |
| 5. Steam Generator Blowdown, RM-90-121A, cpm | <u>17,800</u> |
| 6. ERCW Discharge Header A, RM-90-133A, cpm | <u>800</u> |
| 7. ERCW Discharge Header A, RM-90-140A, cpm | <u>1500</u> |
| 8. Lower Containment Particulate, RM-90-106A, cpm | <u>5000</u> |
| 9. Lower Containment Total Gas, RM-90-106B, cpm | <u>10,000</u> |
| 10. Lower Containment Iodine, RM-90-106C, cpm | <u>1,000</u> |
| 11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm | <u>450</u> |
| 12. Upper Containment Particulate, RM-90-112A, cpm | <u>7500</u> |
| 13. Upper Containment Total Gas, RM-90-112B, cpm | <u>15,000</u> |
| 14. Upper Containment Iodine, RM-90-112C, cpm | <u>3000</u> |
| 15. ERCW Discharge Header B, RM-90-134A, cpm | <u>1000</u> |
| 16. ERCW Discharge Header B, RM-90-141A, cpm | <u>500</u> |
| 17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm | <u>30</u> |
| 18. Shield Building Vent Particulate, RM-90-400A, cpm | <u>200</u> |
| 19. Shield Building Vent Total Gas, RM-90-400B, cpm | <u>50</u> |
| 20. Shield Building Vent Iodine, RM-90-450, 400C, cpm | <u>10</u> |

Remarks: _____

Data By: 1

T- Plus
30min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 1130 Central Unit _____

- Boron Concentration _____ time
- Condensate Storage Tank Level U1 21 U2 _____
LI-2-230 LI-2-233
- Steam Generator Heat Sink in use: Condenser ✓ Atmosphere 2V
- AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 270 gal B 0 gal
FI-3-155A FI-3-170A
- Steam Generator Level (NR), % 1. 100 2. 0 3. 0 4. 0
LI-3-39 LI-3-52 LI-3-94 LI-3-107
- Steam Generator Level (WR), % 1. 100 2. 1 3. 0 4. 0
LI-3-43A LI-3-56A LI-3-98A LI-3-1
- Steam Generator Pressure Psig 1. 570 2. 620 3. 620 4. 620
PI-1-2A PI-1-9A PI-1-20A PI-1-2
- MSIVs closed 1. X 2. _____ 3. _____ 4. _____
- Reactor Vessel Level (NR) > 70 % (WR) 111 Pleum 470
LI-68-370 LI-68-371 LI-68-372
- Pressurizer Level, % 90 90
LI-68-335A LI-68-320
- Pressurizer Pressure Psig (WR) 1090 (NR) 1090
PI-68-342A PI-68-340A
- Reactor Coolant Loop 4 Hot Leg Pressure, psig > 600
PR-68-66
- Reactor Coolant System T_{Hot} (WR) °F 1. 505 2. 505 3. 505 4. 505
TR-68-1 TR-68-24 TR-68-43 TR-68-45
- Reactor Coolant System T_{Cold} (WR) °F 1. 500 2. 500 3. 500 4. 500
TR-68-1 TR-68-24 TR-68-45 TR-68-45
- Reactor Coolant Subcooling Monitor 50°F
- Reactor Coolant Pumps running 1. _____ 2. _____ 3. _____ 4. _____
- Centrifugal Charging Pumps on A-A ✓ B-B ✓

18. Positive Displacement Pump on C _____
19. Residual Heat Removal Pumps on A _____ B _____
20. Safety Injection Pumps on A ✓ B ✓
21. Emergency Core Cooling System (✓) Auto _____ Manual ✓
 Mode: Standby _____ Inj _____ Recirc ✓
22. Containment Sump Level % 76 76
 LI-63-180 LI-63-181
23. RWST Level % 5 5
 LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No ✓
25. UHI Accumulator Discharge Yes _____ No ✓
26. Containment Spray Flow, gpm A 4850 B 4750
 FI-72-34 FI-72-13
27. RHR Spray Valves open A NO B NO
28. Containment Pressure, psid 1 1 1 1
 PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A ✓ Phase B ✓
30. Upper Containment Temperature 170
 TR-56-1, -2
31. Lower Containment Temperature 170
 TI-36-31
32. H₂ Concentration 0 % Time _____
 1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 _____ N32 _____
 IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻¹² N36 10⁻¹²
 IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 510 2. 510 3. 510 4. 510
 60 54 44 41
37. 6.9kV SD Bus Energized A ✓ B ✓
38. D/G Running A _____ B _____ C _____
 Loaded A _____ B _____ C _____
39. Offsite Power Available Yes ✓ No _____

ATTACHMENT 2
 DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 1130 Unit 1

Lower Containment Monitor Valve Status Open _____ Closed _____
 Upper Containment Monitor Valve Status Open _____ Closed _____

| | |
|--|---------------|
| 1. Auxiliary Building Vent Particulate, RM-90-101A, cpm | <u>250</u> |
| 2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm | <u>80</u> |
| 3. Auxiliary Building Vent Iodine, RM-90-101C, cpm | <u>10</u> |
| 4. Steam Generator Blowdown, RM-90-120A, cpm | <u>16,000</u> |
| 5. Steam Generator Blowdown, RM-90-121A, cpm | <u>16,000</u> |
| 6. ERCW Discharge Header A, RM-90-133A, cpm | <u>800</u> |
| 7. ERCW Discharge Header A, RM-90-140A, cpm | <u>1500</u> |
| 8. Lower Containment Particulate, RM-90-106A, cpm | <u>5000</u> |
| 9. Lower Containment Total Gas, RM-90-106B, cpm | <u>10,000</u> |
| 10. Lower Containment Iodine, RM-90-106C, cpm | <u>1000</u> |
| 11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm | <u>450</u> |
| 12. Upper Containment Particulate, RM-90-112A, cpm | <u>7500</u> |
| 13. Upper Containment Total Gas, RM-90-112B, cpm | <u>15,000</u> |
| 14. Upper Containment Iodine, RM-90-112C, cpm | <u>3000</u> |
| 15. ERCW Discharge Header B, RM-90-134A, cpm | <u>1000</u> |
| 16. ERCW Discharge Header B, RM-90-141A, cpm | <u>500</u> |
| 17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm | <u>30</u> |
| 18. Shield Building Vent Particulate, RM-90-400A, cpm | <u>200</u> |
| 19. Shield Building Vent Total Gas, RM-90-400B, cpm | <u>50</u> |
| 20. Shield Building Vent Iodine, RM-90-450, 400C, cpm | <u>10</u> |

Remarks: _____

Data By: 1

T = 9 Lrs
30 min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 1230 Central Unit _____

- Boron Concentration _____ time
- Condensate Storage Tank Level U1 20 U2 _____
LI-2-230 LI-2-233
- Steam Generator Heat Sink in use: Condenser Atmosphere _____
- AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A
- Steam Generator Level (NR), % 1. 100 2. 0 3. 0 4. 0
LI-3-39 LI-3-52 LI-3-94 LI-3-107
- Steam Generator Level (WR), % 1. 100 2. 1 3. 0 4. 0
LI-3-43A LI-3-56A LI-3-98A LI-3-1
- Steam Generator Pressure Psig 1. 570 2. 620 3. 620 4. 620
PI-1-2A PI-1-9A PI-1-20A PI-1-2
- MSIVs closed 1. X 2. _____ 3. _____ 4. _____
- Reactor Vessel Level (NR) > 70 % (WR) 111 Plenum < 70
LI-68-370 LI-68-371 LI-68-372
- Pressurizer Level, % 90 90
LI-68-335A LI-68-320
- Pressurizer Pressure Psig (WR) 1090 (NR) 1090
PI-68-342A PI-68-340A
- Reactor Coolant Loop 4 Hot Leg Pressure, psig 2600
PR-68-66
- Reactor Coolant System T_{Hot} (WR) °F 1. 505 2. 505 3. 505 4. 505
TR-68-1 TR-68-24 TR-68-43 TR-68-66
- Reactor Coolant System T_{Cold} (WR) °F 1. 500 2. 500 3. 500 4. 500
TR-68-1 TR-68-24 TR-68-45 TR-68-66
- Reactor Coolant Subcooling Monitor 50 °F
- Reactor Coolant Pumps running 1. _____ 2. _____ 3. _____ 4. _____
- Centrifugal Charging Pumps on A-A B-B

18. Positive Displacement Pump on C _____
19. Residual Heat Removal Pumps on A _____ B _____
20. Safety Injection Pumps on A B
21. Emergency Core Cooling System (✓) Auto _____ Manual
 Mode: Standby _____ Inj _____ Recirc
22. Containment Sump Level % $\frac{78}{\text{LI-63-180}}$ $\frac{78}{\text{LI-63-181}}$
23. RWST Level % $\frac{5}{\text{LI-63-50}}$ $\frac{5}{\text{LI-63-51}}$
24. Cold Leg Accumulator Discharge Yes _____ No
25. UHI Accumulator Discharge Yes _____ No
26. Containment Spray Flow, gpm A $\frac{4750}{\text{FI-72-34}}$ B $\frac{4750}{\text{FI-72-13}}$
27. RHR Spray Valves open A _____ B _____
28. Containment Pressure, psid $\frac{1}{\text{PDI-30-42}}$ $\frac{1}{\text{PDI-30-43}}$ $\frac{1}{\text{PDI-30-44}}$ $\frac{1}{\text{PDI-30-45}}$
29. Containment Isolation = Phase A Phase B
30. Upper Containment Temperature $\frac{190}{\text{TR-56-1, -2}}$
31. Lower Containment Temperature $\frac{180}{\text{TI-36-31}}$
32. H₂ Concentration $\frac{0}{1\text{-H21-43-200 (210)}}$ % Time _____
33. O₂ Concentration $\frac{21}{}$ % Time _____
34. Source Range, cps N31 $\frac{\text{IDWR-92-N31}}$ N32 $\frac{\text{IDWR-92-N32}}$
35. Intermediate Range ma N35 $\frac{10^{-13}}{\text{IDWR-92-N35}}$ N36 $\frac{10^{-13}}{\text{IDWR-92-N36}}$
36. INCORE thermocouples, °F 1. $\frac{510}{60}$ 2. $\frac{510}{54}$ 3. $\frac{510}{44}$ 4. $\frac{510}{41}$
37. 6.9kV SD Bus Energized A B
38. D/G Running A _____ B _____ C _____
 Loaded A _____ B _____ C _____
39. Offsite Power Available Yes No _____

ATTACHMENT 2
DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 1230 Unit 1

Lower Containment Monitor Valve Status Open _____ Closed _____
Upper Containment Monitor Valve Status Open _____ Closed _____

| | |
|--|---------------|
| 1. Auxiliary Building Vent Particulate, RM-90-101A, cpm | <u>250</u> |
| 2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm | <u>80</u> |
| 3. Auxiliary Building Vent Iodine, RM-90-101C, cpm | <u>10</u> |
| 4. Steam Generator Blowdown, RM-90-120A, cpm | <u>14,200</u> |
| 5. Steam Generator Blowdown, RM-90-121A, cpm | <u>14,200</u> |
| 6. ERCW Discharge Header A, RM-90-133A, cpm | <u>800</u> |
| 7. ERCW Discharge Header A, RM-90-140A, cpm | <u>1500</u> |
| 8. Lower Containment Particulate, RM-90-106A, cpm | <u>5000</u> |
| 9. Lower Containment Total Gas, RM-90-106B, cpm | <u>10,000</u> |
| 10. Lower Containment Iodine, RM-90-106C, cpm | <u>1000</u> |
| 11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm | <u>450</u> |
| 12. Upper Containment Particulate, RM-90-112A, cpm | <u>7500</u> |
| 13. Upper Containment Total Gas, RM-90-112B, cpm | <u>15,000</u> |
| 14. Upper Containment Iodine, RM-90-112C, cpm | <u>3000</u> |
| 15. ERCW Discharge Header B, RM-90-134A, cpm | <u>1000</u> |
| 16. ERCW Discharge Header B, RM-90-141A, cpm | <u>500</u> |
| 17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm | <u>30</u> |
| 18. Shield Building Vent Particulate, RM-90-400A, cpm | <u>200</u> |
| 19. Shield Building Vent Total Gas, RM-90-400B, cpm | <u>50</u> |
| 20. Shield Building Vent Iodine, RM-90-450, 400C, cpm | <u>10</u> |

Remarks: _____

Data By: _____

T=10 hrs
30 min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 1330 Central Unit _____

1. Boron Concentration _____ time
2. Condensate Storage Tank Level U1 19 U2 _____
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser ✓ Atmosphere _____
4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 100 2. 0 3. 0 4. 0
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 100 2. 1 3. 0 4. 0
LI-3-43A LI-3-56A LI-3-98A LI-3-11
7. Steam Generator Pressure Psig 1. 570 2. 620 3. 620 4. 620
PI-1-2A PI-1-9A PI-1-20A PI-1-27
8. MSIVs closed 1. X 2. _____ 3. _____ 4. _____
9. Reactor Vessel Level (NR) 770 % (WR) 111 Plenum 670
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 90 90
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 1090 (NR) 1090
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig 7600
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 505 2. 505 3. 505 4. 505
TR-68-1 TR-68-24 TR-68-43 TR-68-
14. Reactor Coolant System T_{Cold} (WR) °F 1. 500 2. 500 3. 500 4. 500
TR-68-1 TR-68-24 TR-68-43 TR-6-
15. Reactor Coolant Subcooling Monitor 50°F
16. Reactor Coolant Pumps running 1. _____ 2. _____ 3. _____ 4. _____
17. Centrifugal Charging Pumps on A-A ✓ B-B ✓

18. Positive Displacement Pump on C _____
19. Residual Heat Removal Pumps on A _____ B _____
20. Safety Injection Pumps on A _____ B _____
21. Emergency Core Cooling System (✓) Auto _____ Manual
Mode: Standby _____ Inj _____ Recirc
22. Containment Sump Level % 70 70
LI-63-180 LI-63-181
23. RWST Level % 5 5
LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No
25. UHI Accumulator Discharge Yes _____ No
26. Containment Spray Flow, gpm A 4750 B 4750
FI-72-34 FI-72-13
27. RHR Spray Valves open A _____ B _____
28. Containment Pressure, psid 1 1 1 1
PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A _____ Phase B _____
30. Upper Containment Temperature 180
TR-56-1, -2
31. Lower Containment Temperature 180
TI-36-31
32. H₂ Concentration 0 % Time _____
1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 _____ N32 _____
IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻¹³ N36 10⁻¹³
IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 510 2. 510 3. 510 4. 510
60 54 44 41
37. 6.9kV SD Bus Energized A _____ B _____
38. D/G Running A _____ B _____ C _____
Loaded A _____ B _____ C _____
39. Offsite Power Available Yes _____ No _____

T = 11 hrs
30 min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time _____ Central _____ Unit _____

1. Boron Concentration _____ time

2. Condensate Storage Tank Level U1 18 U2 _____
LI-2-230 LI-2-233

3. Steam Generator Heat Sink in use: Condenser ✓ Atmosphere _____

4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A

5. Steam Generator Level (NR), % 1. 100 2. 0 3. 0 4. 0
LI-3-39 LI-3-52 LI-3-94 LI-3-10

6. Steam Generator Level (WR), % 1. 100 2. 1 3. 0 4. 0
LI-3-43A LI-3-56A LI-3-98A LI-3-

7. Steam Generator Pressure Psig 1. 570 2. 620 3. 620 4. 620
PI-1-2A PI-1-9A PI-1-20A PI-1-

8. MSIVs closed 1. X 2. _____ 3. _____ 4. _____

9. Reactor Vessel Level (NR) >70 % (WR) 111 Plenum 470
LI-68-370 LI-68-371 LI-68-372

10. Pressurizer Level, % 90 70
LI-68-335A LI-68-320

11. Pressurizer Pressure Psig (WR) 1090 (NR) 1090
PI-68-342A PI-68-340A

12. Reactor Coolant Loop 4 Hot Leg Pressure, psig >600
PR-68-66

13. Reactor Coolant System T_{Hot} (WR) °F 1. 505 2. 505 3. 505 4. 505
TR-68-1 TR-68-24 TR-68-43 TR-

14. Reactor Coolant System T_{Cold} (WR) °F 1. 500 2. 500 3. 500 4. 500
TR-68-1 TR-68-24 TR-68-45 TR

15. Reactor Coolant Subcooling Monitor 50 °F

16. Reactor Coolant Pumps running 1. _____ 2. _____ 3. _____ 4. _____

17. Centrifugal Charging Pumps on A-A ✓ B-B ✓

18. Positive Displacement Pump on C _____
19. Residual Heat Removal Pumps on A _____ B _____
20. Safety Injection Pumps on A B
21. Emergency Core Cooling System (✓) Auto _____ Manual
 Mode: Standby _____ Inj _____ Recirc
22. Containment Sump Level % $\frac{62}{\text{LI-63-180}}$ $\frac{62}{\text{LI-63-181}}$
23. RWST Level % $\frac{5}{\text{LI-63-50}}$ $\frac{5}{\text{LI-63-51}}$
24. Cold Leg Accumulator Discharge Yes _____ No
25. UHI Accumulator Discharge Yes _____ No
26. Containment Spray Flow, gpm A $\frac{4750}{\text{FI-72-34}}$ B $\frac{4750}{\text{FI-72-13}}$
27. RHR Spray Valves open A _____ B _____
28. Containment Pressure, psid $\frac{1}{\text{PDI-30-42}}$ $\frac{1}{\text{PDI-30-43}}$ $\frac{1}{\text{PDI-30-44}}$ $\frac{1}{\text{PDI-30-45}}$
29. Containment Isolation = Phase A Phase B
30. Upper Containment Temperature $\frac{130}{\text{TR-56-1, -2}}$
31. Lower Containment Temperature $\frac{120}{\text{TI-36-31}}$
32. H₂ Concentration $\frac{0}{\text{1-H21-43-200 (210)}}$ % Time _____
33. O₂ Concentration $\frac{21}{}$ % Time _____
34. Source Range, cps N31 $\frac{\text{IDWR-92-N31}}$ N32 $\frac{\text{IDWR-92-N32}}$
35. Intermediate Range ma N35 $\frac{10^{-13}}{\text{IDWR-92-N35}}$ N36 $\frac{10^{-13}}{\text{IDWR-92-N36}}$
36. INCORE thermocouples, °F 1. $\frac{510}{60}$ 2. $\frac{510}{54}$ 3. $\frac{510}{44}$ 4. $\frac{510}{41}$
37. 6.9kV SD Bus Energized A B
38. D/G Running A _____ B _____ C _____
 Loaded A _____ B _____ C _____
39. Offsite Power Available Yes No _____

T=12 hrs
30min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time _____ Central Unit _____

1. Boron Concentration _____ time
2. Condensate Storage Tank Level U1 17 U2 _____
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser ✓ Atmosphere _____
4. AFW pumps Turb 0 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 100 2. 0 3. 0 4. 0
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 100 2. 1 3. 0 4. 0
LI-3-43A LI-3-56A LI-3-98A LI-3-11
7. Steam Generator Pressure Psig 1. 570 2. 620 3. 620 4. 620
PI-1-2A PI-1-9A PI-1-20A PI-1-27
8. MSIVs closed 1. X 2. _____ 3. _____ 4. _____
9. Reactor Vessel Level (NR) 100 % (WR) _____ Pleum _____
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 90 95
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 1090 (NR) 1090
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Leg Pressure, psig >600
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 505 2. 505 3. 505 4. 505
TR-68-1 TR-68-24 TR-68-43 TR-68-
14. Reactor Coolant System T_{Cold} (WR) °F 1. 500 2. 500 3. 500 4. 500
TR-68-1 TR-68-24 TR-68-43 TR-68-
15. Reactor Coolant Subcooling Monitor 50 °F
16. Reactor Coolant Pumps running 1. _____ 2. _____ 3. _____ 4. _____
17. Centrifugal Charging Pumps on A-A ✓ B-B ✓

18. Positive Displacement Pump on C _____
19. Residual Heat Removal Pumps on A _____ B _____
20. Safety Injection Pumps on A B
21. Emergency Core Cooling System (✓) Auto _____ Manual
Mode: Standby _____ Inj _____ Recirc
22. Containment Sump Level % 55 55
LI-63-180 LI-63-181
23. RWST Level % 5 5
LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No
25. UHI Accumulator Discharge Yes _____ No
26. Containment Spray Flow, gpm A 4750 B 4750
FI-72-34 FI-72-13
27. RHR Spray Valves open A _____ B _____
28. Containment Pressure, psid 1 1 1 1
PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A Phase B
30. Upper Containment Temperature 180
TR-56-1, -2
31. Lower Containment Temperature 180
TI-36-31
32. H₂ Concentration 0 % Time _____
1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 _____ N32 _____
IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻¹³ N36 10⁻¹³
IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 510 2. 510 3. 510 4. 510
60 54 44 41
37. 6.9kV SD Bus Energized A B
38. D/G Running A _____ B _____ C _____
Loaded A _____ B _____ C _____
39. Offsite Power Available Yes No _____

ATTACHMENT 2
DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 1530 Unit 1

Lower Containment Monitor Valve Status Open _____ Closed _____
Upper Containment Monitor Valve Status Open _____ Closed _____

| | |
|--|---------------|
| 1. Auxiliary Building Vent Particulate, RM-90-101A, cpm | <u>250</u> |
| 2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm | <u>80</u> |
| 3. Auxiliary Building Vent Iodine, RM-90-101C, cpm | <u>10</u> |
| 4. Steam Generator Blowdown, RM-90-120A, cpm | <u>8600</u> |
| 5. Steam Generator Blowdown, RM-90-121A, cpm | <u>8600</u> |
| 6. ERCW Discharge Header A, RM-90-133A, cpm | <u>800</u> |
| 7. ERCW Discharge Header A, RM-90-140A, cpm | <u>1500</u> |
| 8. Lower Containment Particulate, RM-90-106A, cpm | <u>5000</u> |
| 9. Lower Containment Total Gas, RM-90-106B, cpm | <u>10,000</u> |
| 10. Lower Containment Iodine, RM-90-106C, cpm | <u>1000</u> |
| 11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm | <u>450</u> |
| 12. Upper Containment Particulate, RM-90-112A, cpm | <u>7500</u> |
| 13. Upper Containment Total Gas, RM-90-112B, cpm | <u>15,000</u> |
| 14. Upper Containment Iodine, RM-90-112C, cpm | <u>3000</u> |
| 15. ERCW Discharge Header B, RM-90-134A, cpm | <u>1000</u> |
| 16. ERCW Discharge Header B, RM-90-141A, cpm | <u>500</u> |
| 17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm | <u>30</u> |
| 18. Shield Building Vent Particulate, RM-90-400A, cpm | <u>200</u> |
| 19. Shield Building Vent Total Gas, RM-90-400B, cpm | <u>50</u> |
| 20. Shield Building Vent Iodine, RM-90-450, 400C, cpm | <u>10</u> |

Remarks: _____

Data By: _____

T = 13 hrs
30 min

ATTACHMENT 2
DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time _____ Central _____ Unit _____

1. Boron Concentration _____ time
2. Condensate Storage Tank Level U1 14 U2 _____
LI-2-230 LI-2-233
3. Steam Generator Heat Sink in use: Condenser _____ Atmosphere _____
4. AFW pumps Turb 940 gal A 0 gal B 0 gal
FI-3-142 FI-3-163A FI-3-147A
A 220 gal B 0 gal
FI-3-155A FI-3-170A
5. Steam Generator Level (NR), % 1. 100 2. 0 3. _____ 4. _____
LI-3-39 LI-3-52 LI-3-94 LI-3-107
6. Steam Generator Level (WR), % 1. 100 2. _____ 3. _____ 4. _____
LI-3-43A LI-3-56A LI-3-98A LI-3-11
7. Steam Generator Pressure Psig 1. 1090 2. 620 3. 620 4. 620
PI-1-2A PI-1-9A PI-1-20A PI-1-27
8. MSIVs closed 1. X 2. _____ 3. _____ 4. _____
9. Reactor Vessel Level (NR) 770 % (WR) 111 Plenum 470
LI-68-370 LI-68-371 LI-68-372
10. Pressurizer Level, % 75 50
LI-68-335A LI-68-320
11. Pressurizer Pressure Psig (WR) 1090 (NR) 1090
PI-68-342A PI-68-340A
12. Reactor Coolant Loop 4 Hot Lag Pressure, psig 7600
PR-68-66
13. Reactor Coolant System T_{Hot} (WR) °F 1. 505 2. 505 3. 505 4. 505
TR-68-1 TR-68-24 TR-68-43 TR-68-
14. Reactor Coolant System T_{Cold} (WR) °F 1. 100 2. 500 3. 500 4. 500
TR-68-1 TR-68-24 TR-68-45 TR-68-
15. Reactor Coolant Subcooling Monitor 50.05
16. Reactor Coolant Pumps running 1. _____ 2. _____ 3. _____ 4. _____
17. Centrifugal Charging Pumps on A-A ✓ B-B ✓

18. Positive Displacement Pump on C _____
19. Residual Heat Removal Pumps on A _____ B _____
20. Safety Injection Pumps on A / B /
21. Emergency Core Cooling System (✓) Auto _____ Manual /
 Mode: Standby _____ Inj _____ Recirc /
22. Containment Sump Level % 48 48
 LI-63-180 LI-63-181
23. RWST Level % 5 5
 LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No /
25. UHI Accumulator Discharge Yes _____ No /
26. Containment Spray Flow, gpm A 4750 B 4750
 FI-72-34 FI-72-13
27. RHR Spray Valves open A _____ B _____
28. Containment Pressure, psid 1 1 1 1
 PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A / Phase B /
30. Upper Containment Temperature 170
 TR-56-1, -2
31. Lower Containment Temperature 170
 TI-36-31
32. H₂ Concentration 0 % Time _____
 1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 _____ N32 _____
 IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10 - 4 N36 10 - 4
 IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 510 2. 510 3. 510 4. 510
 60 54 44 41
37. 6.9kV SD Bus Energized A / B /
38. D/G Running A _____ B _____ C _____
 Loaded A _____ B _____ C _____
39. Offsite Power Available Yes / No _____

ATTACHMENT 2
 DATA SHEET 2

PROCESS RADIATION MONITOR UPDATE

Date 9/11/84 Time 1630 Unit 1

Lower Containment Monitor Valve Status Open _____ Closed _____
 Upper Containment Monitor Valve Status Open _____ Closed _____

| | |
|--|---------------|
| 1. Auxiliary Building Vent Particulate, RM-90-101A, cpm | <u>250</u> |
| 2. Auxiliary Building Vent Total Gas, RM-90-101B, cpm | <u>80</u> |
| 3. Auxiliary Building Vent Iodine, RM-90-101C, cpm | <u>10</u> |
| 4. Steam Generator Blowdown, RM-90-120A, cpm | <u>6600</u> |
| 5. Steam Generator Blowdown, RM-90-121A, cpm | <u>6600</u> |
| 6. ERCW Discharge Header A, RM-90-133A, cpm | <u>800</u> |
| 7. ERCW Discharge Header A, RM-90-140A, cpm | <u>1500</u> |
| 8. Lower Containment Particulate, RM-90-106A, cpm | <u>5000</u> |
| 9. Lower Containment Total Gas, RM-90-106B, cpm | <u>10,000</u> |
| 10. Lower Containment Iodine, RM-90-106C, cpm | <u>1000</u> |
| 11. Condenser Vacuum Pump Air Exhaust, High Range, RM-90-99, cpm | <u>450</u> |
| 12. Upper Containment Particulate, RM-90-112A, cpm | <u>7500</u> |
| 13. Upper Containment Total Gas, RM-90-112B, cpm | <u>15,000</u> |
| 14. Upper Containment Iodine, RM-90-112C, cpm | <u>3000</u> |
| 15. ERCW Discharge Header B, RM-90-134A, cpm | <u>1000</u> |
| 16. ERCW Discharge Header B, RM-90-141A, cpm | <u>500</u> |
| 17. Condenser Vacuum Pump Air Exhaust, Low Range, RM-90-119, cpm | <u>30</u> |
| 18. Shield Building Vent Particulate, RM-90-400A, cpm | <u>200</u> |
| 19. Shield Building Vent Total Gas, RM-90-400B, cpm | <u>50</u> |
| 20. Shield Building Vent Iodine, RM-90-450, 400C, cpm | <u>10</u> |

Remarks:

Date: 9/11/84

ATTACHMENT 2
 DATA SHEET 1

UNIT STATUS UPDATE

Date _____ Time 1700 Central Unit _____

1. Boron Concentration _____ time

2. Condensate Storage Tank Level U1 _____ U2 _____
 LI-2-230 LI-2-233

3. Steam Generator Heat Sink in use: Condenser ✓ Atmosphere _____

4. AFW pumps Turb 650 gal A _____ gal B _____ gal
 FI-3-142 FI-3-163A FI-3-147A
 A 220 gal B _____ gal
 FI-3-155A FI-3-170A

5. Steam Generator Level (NR), % 1. 100 2. 33 3. 33 4. 33
 LI-3-39 LI-3-52 LI-3-94 LI-3-107

6. Steam Generator Level (WR), % 1. 100 2. 73 3. 73 4. 73
 LI-3-43A LI-3-56A LI-3-98A LI-3-1

7. Steam Generator Pressure Psig 1. 1000 2. 460 3. 460 4. 460
 PI-1-2A PI-1-9A PI-1-20A PI-1-2

8. MSIVs closed 1. X 2. _____ 3. _____ 4. _____

9. Reactor Vessel Level (NR) > 70 % (WR) 111 Plenum 470
 LI-68-370 LI-68-371 LI-68-372

10. Pressurizer Level, % 80 80
 LI-68-335A LI-68-320

11. Pressurizer Pressure Psig (WR) 1000 (NR) 1000
 PI-68-342A PI-68-340A

12. Reactor Coolant Loop 4 Hot Leg Pressure, psig 7600
 PR-68-66

13. Reactor Coolant System T_{Hot} (WR) °F 1. 485 2. 485 3. 485 4. 485
 TR-68-1 TR-68-24 TR-68-43 TR-6-

14. Reactor Coolant System T_{Cold} (WR) °F 1. 475 2. 475 3. 475 4. 475
 TR-68-1 TR-68-24 TR-68-45 TR-

15. Reactor Coolant Subcooling Monitor 60°F

16. Reactor Coolant Pumps running 1. _____ 2. _____ 3. _____ 4. _____

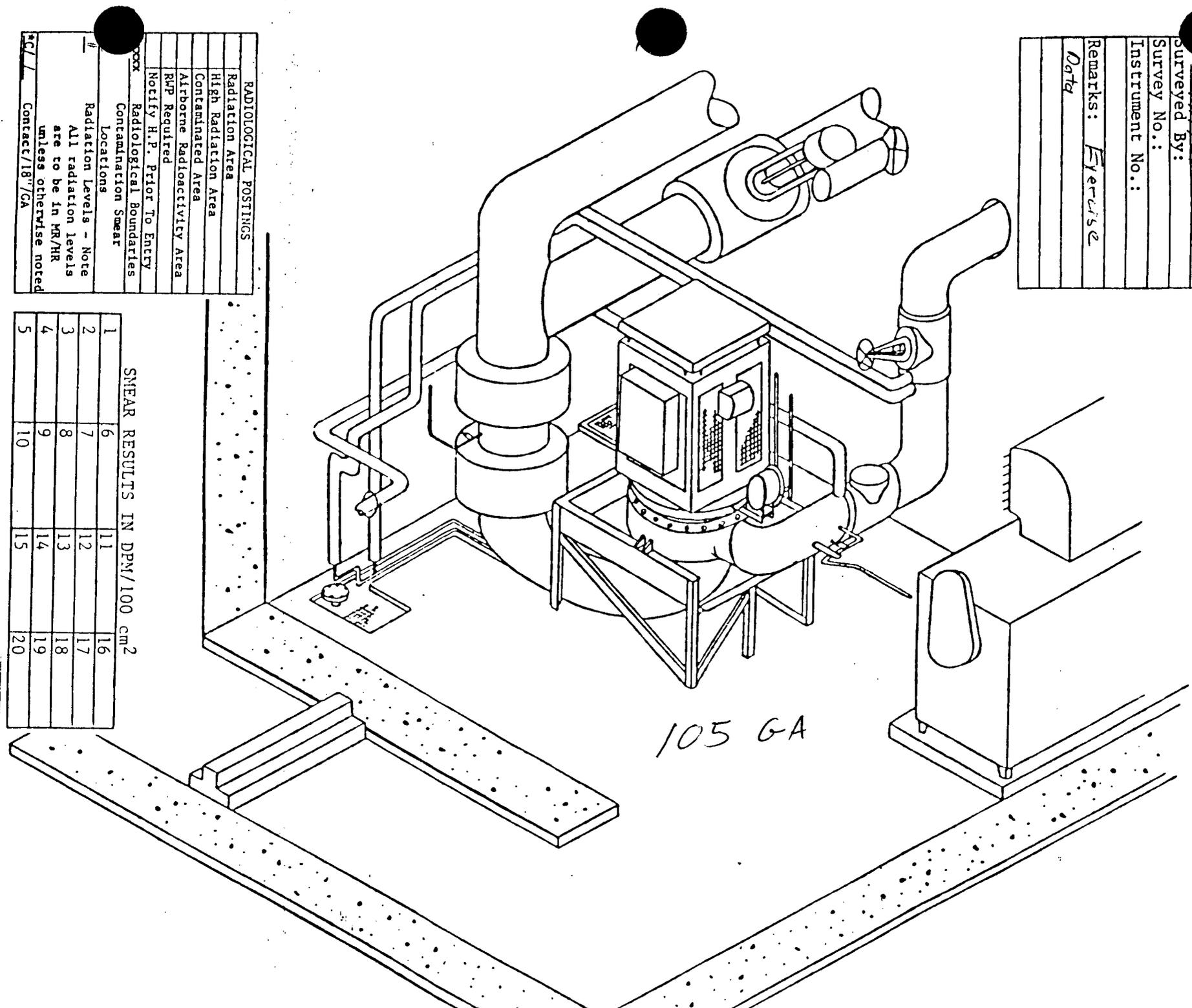
17. Centrifugal Charging Pumps on A-A ✓ B-B _____

T=14 hrs

18. Positive Displacement Pump on C _____
19. Residual Heat Removal Pumps on A _____ B _____
20. Safety Injection Pumps on A _____ B _____
21. Emergency Core Cooling System (✓) Auto _____ Manual ✓
 Mode: Standby _____ Inj _____ Recirc ✓
22. Containment Sump Level % 44 44
 LI-63-180 LI-63-181
23. RWST Level % 5 5
 LI-63-50 LI-63-51
24. Cold Leg Accumulator Discharge Yes _____ No ✓
25. UHI Accumulator Discharge Yes _____ No ✓
26. Containment Spray Flow, gpm A 0 B 0
 FI-72-34 FI-72-13
27. RHR Spray Valves open A _____ B _____
28. Containment Pressure, psid 1 1 1 1
 PDI-30-42 PDI-30-43 PDI-30-44 PDI-30-45
29. Containment Isolation = Phase A ✓ Phase B ✓
30. Upper Containment Temperature 160
 TR-56-1, -2
31. Lower Containment Temperature 160
 TI-36-31
32. H₂ Concentration 0 % Time _____
 1-H21-43-200 (210)
33. O₂ Concentration 21 % Time _____
34. Source Range, cps N31 _____ N32 _____
 IDWR-92-N31 IDWR-92-N32
35. Intermediate Range ma N35 10⁻¹⁴ N36 10⁻¹⁴
 IDWR-92-N35 IDWR-92-N36
36. INCORE thermocouples, °F 1. 490 2. 490 3. 490 4. 490
 60 54 44 41
37. 6.9kV SD Bus Energized A ✓ B ✓
38. D/G Running A _____ B _____ C _____
 Loaded A _____ B _____ C _____
39. Offsite Power Available Yes ✓ No _____

AUXILIARY BLDG.
 1A-A RHR PUMP ROOM
 ELEV. 676'

E: 9/11/84 TIME: 0400
 Surveyed By: _____
 Survey No.: _____
 Instrument No.: _____
 Remarks: *Exercise*
Date



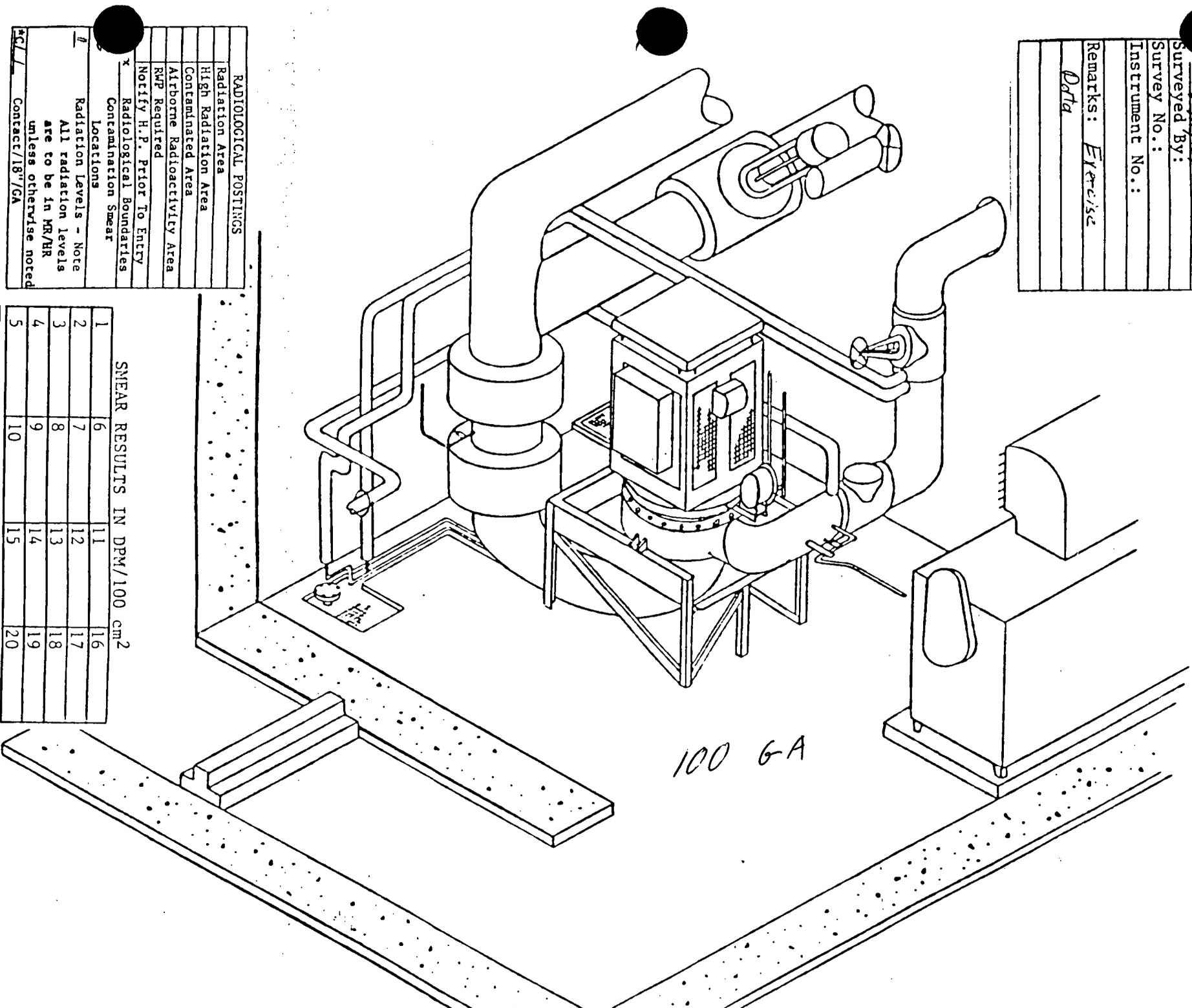
| RADIOLOGICAL POSTINGS | |
|-----------------------|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RWP Required |
| | Notify H.P. Prior To Entry |
| | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| | Radiation Levels - Note |
| | All radiation levels |
| | are to be in MR/HR |
| | unless otherwise noted |
| | Contact/187GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 IB-B RHR PUMP ROOM
 ELEV. 676'

E: 9/11/84 TIME: 0400
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: *Exercise*
Data



100 6A

RADIOLOGICAL POSTINGS

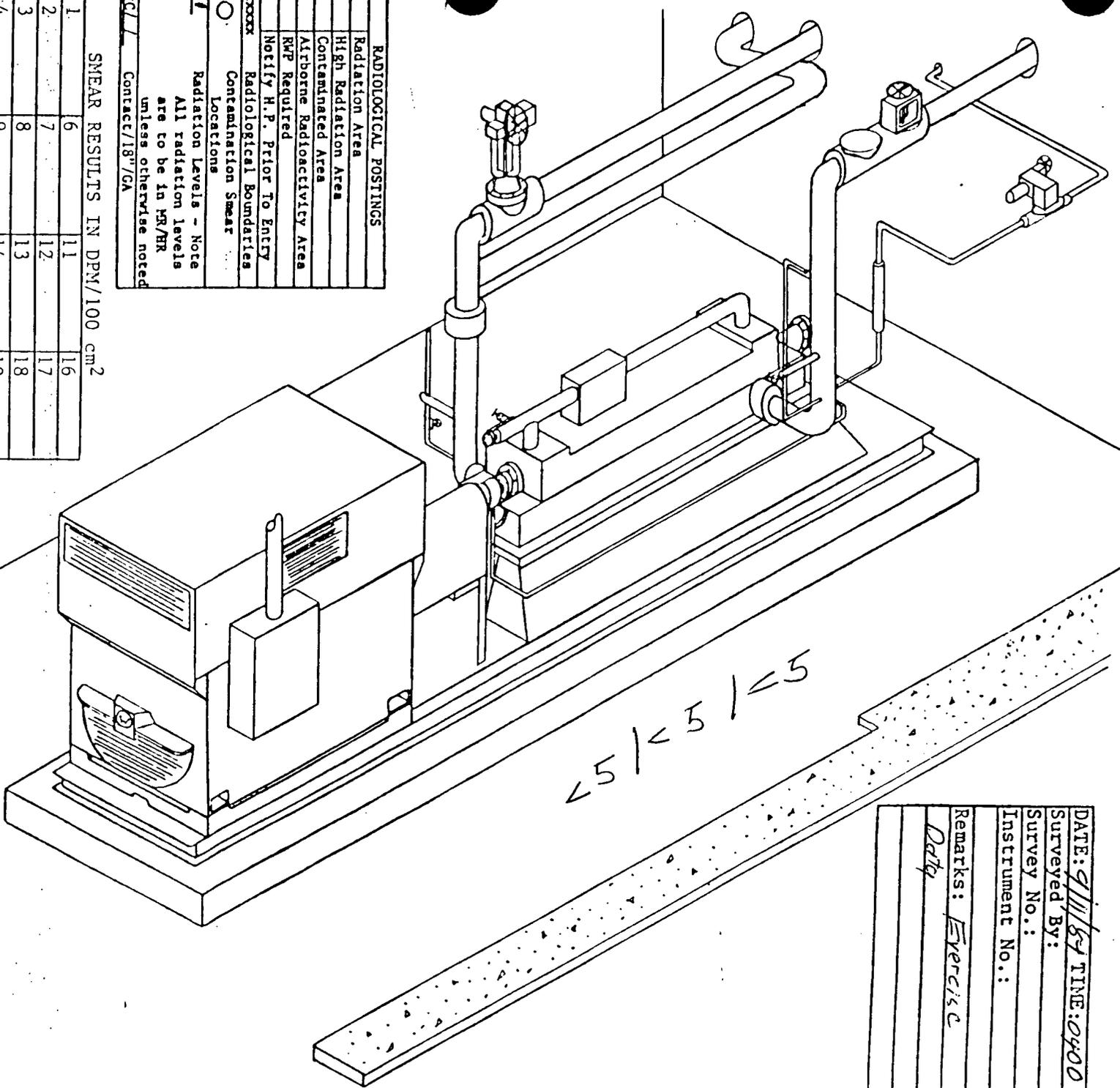
| | |
|-----|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Altitude Radioactivity Area |
| | RMP Required |
| | Notify H.P. Prior To Entry |
| x | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| h | Radiation Levels - Note |
| | All radiation levels |
| | are to be in MR/HR |
| | unless otherwise noted |
| *C/ | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 IA-A SAFETY INJECTION PUMP ROOM
 ELEV. 692'

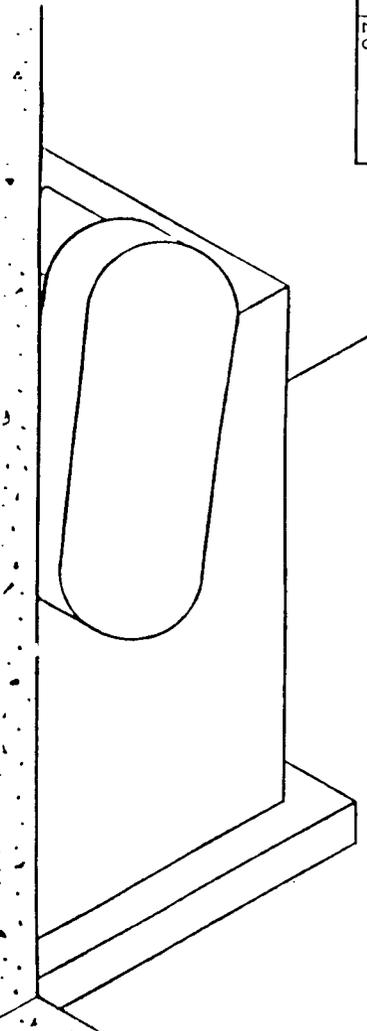
DATE: 9/11/84 TIME: 0900
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercis C
 Data



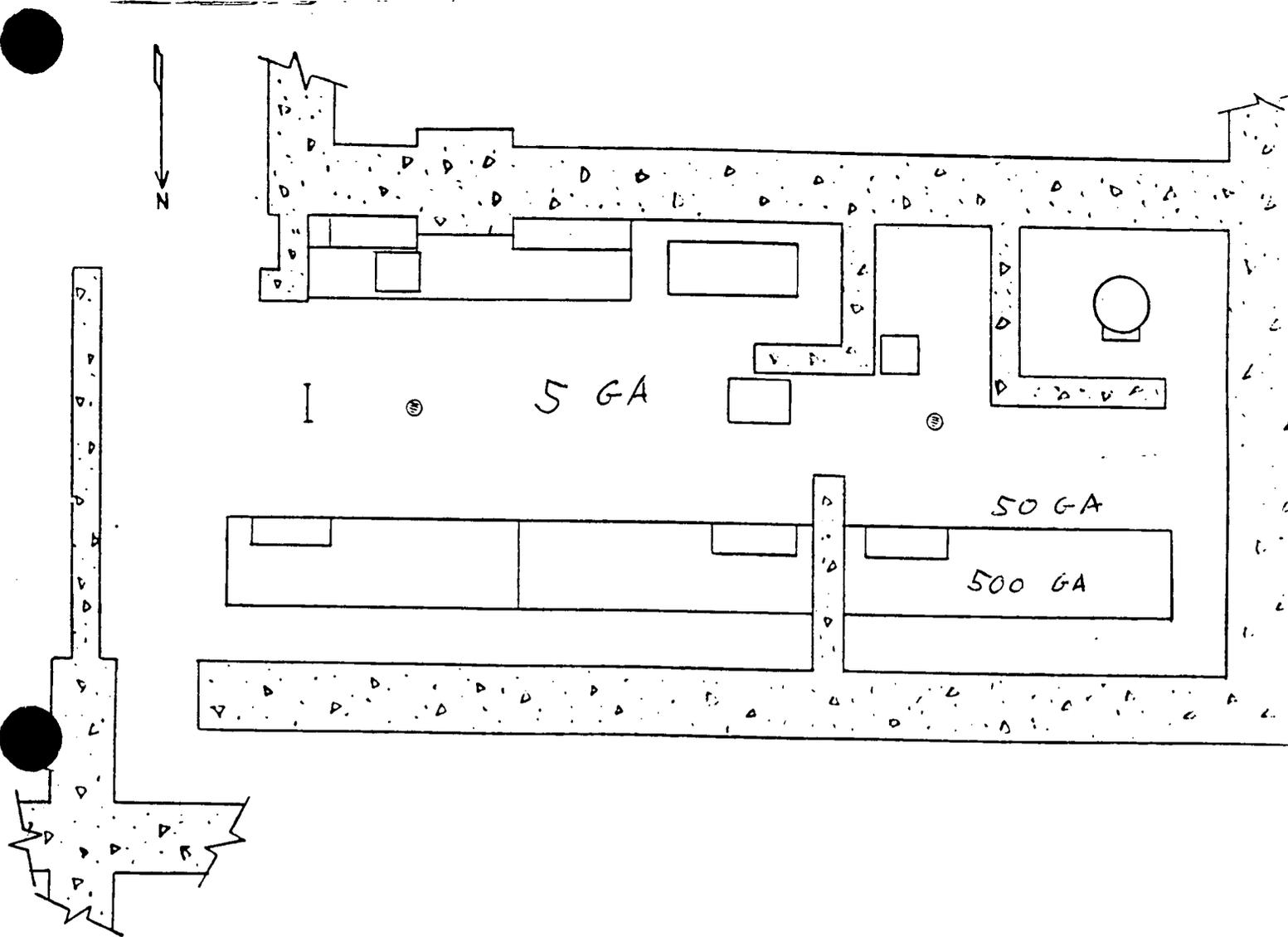
| RADIOLOGICAL POSTINGS | |
|-----------------------|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RWP Required |
| | Notify H.P. Prior To Entry |
| | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| | Radiation Levels - Note |
| | All radiation levels |
| | are to be in M/HR |
| | unless otherwise noted |
| | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
UNIT 1 HOT SAMPLE ROOM
ELEV. 713'



| RADIOLOGICAL POSTINGS | |
|-------------------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input checked="" type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| <input checked="" type="checkbox"/> | Contact/18"/GA |

DATE: 9/11/54 TIME: 0400

Surveyed By:

Survey No.:

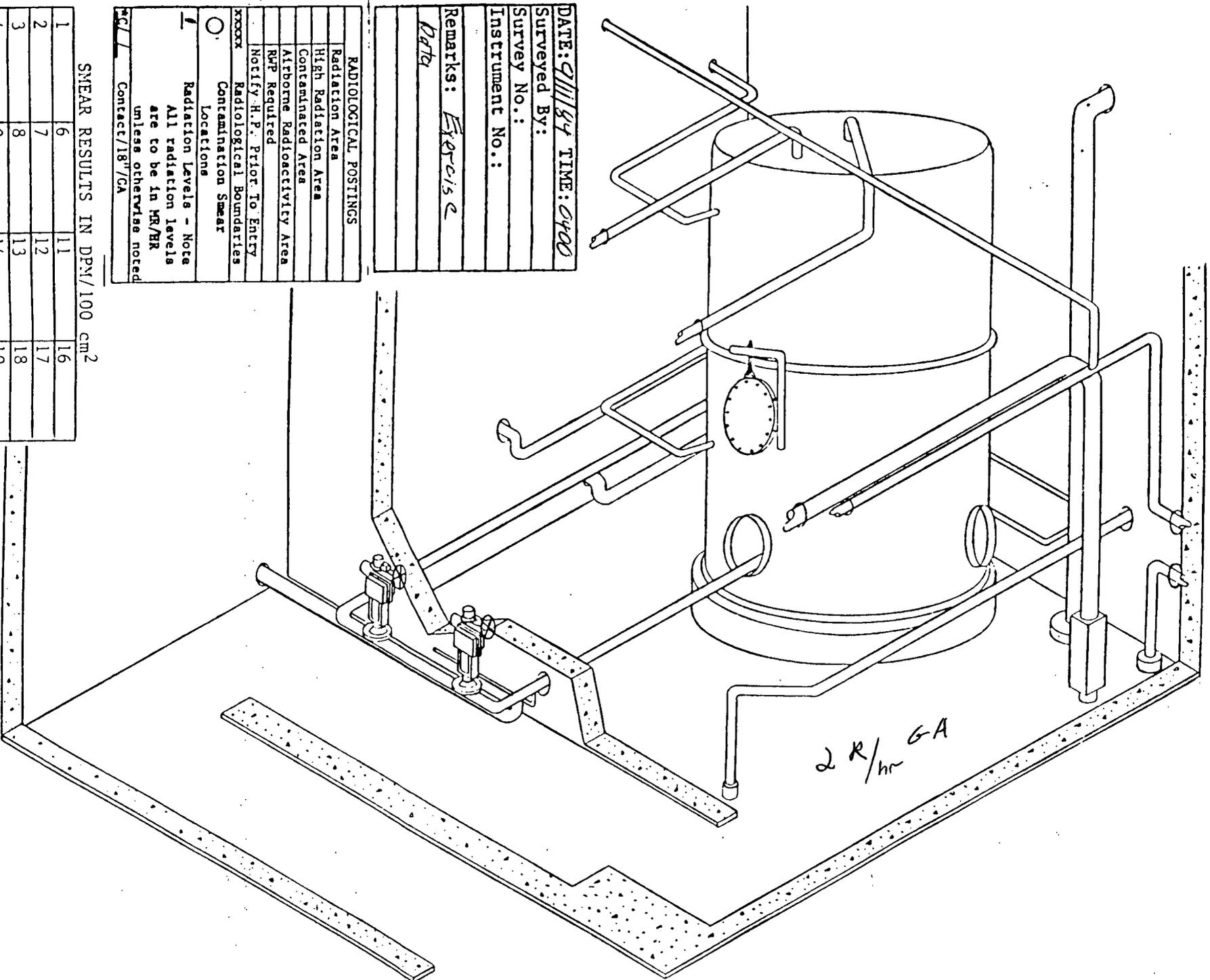
Instrument No.:

Remarks: Exercise Data

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG
 UNIT 1 VOLUME CONTROL TANK ROOM
 ELEV. 713'



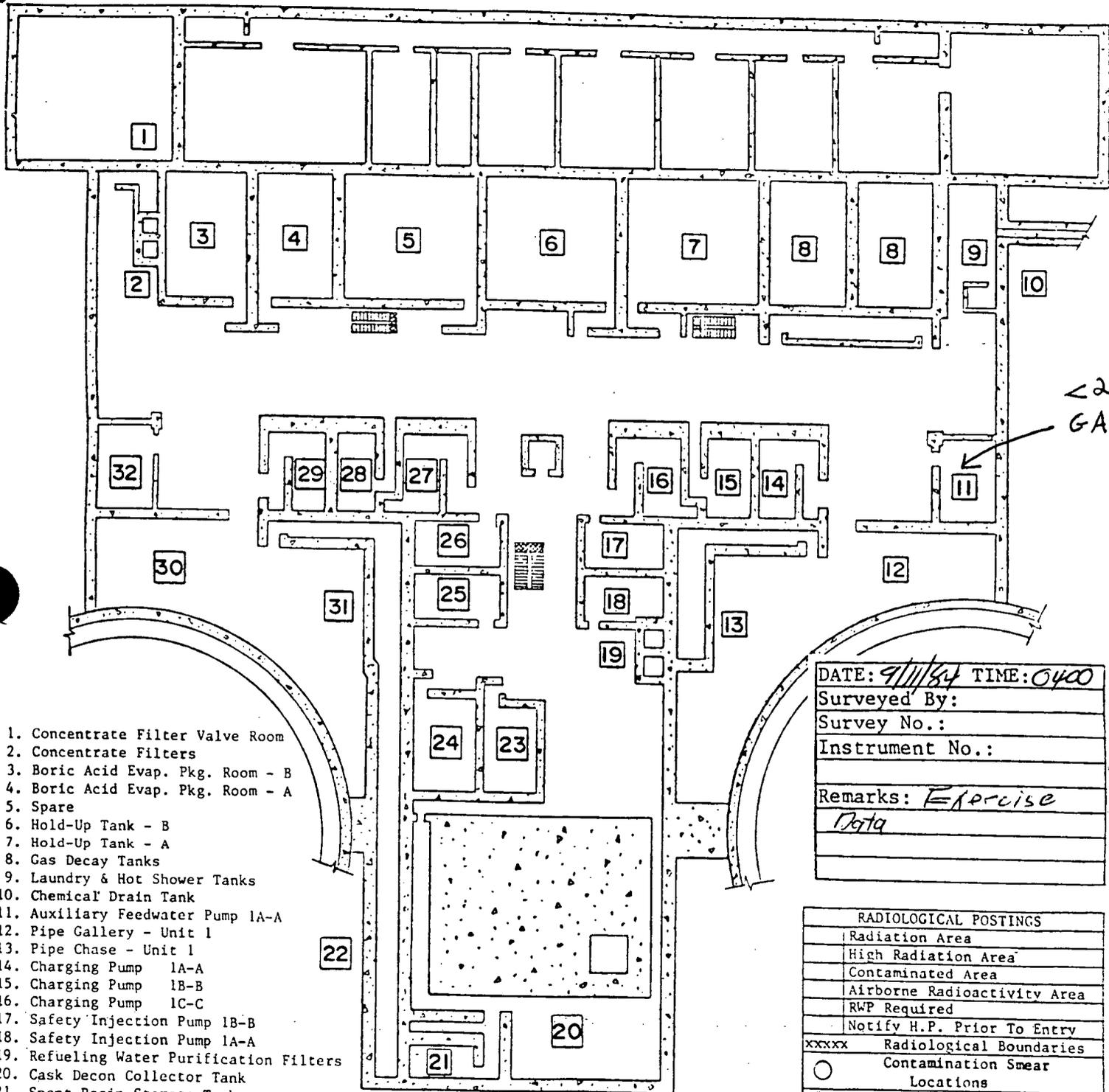
DATE: 9/11/84 TIME: 0400
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data

| RADIOLOGICAL POSTINGS | |
|-------------------------------------|---|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input checked="" type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear |
| <input type="checkbox"/> | Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| <input checked="" type="checkbox"/> | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
ELEV. 692' G/A



1. Concentrate Filter Valve Room
2. Concentrate Filters
3. Boric Acid Evap. Pkg. Room - B
4. Boric Acid Evap. Pkg. Room - A
5. Spare
6. Hold-Up Tank - B
7. Hold-Up Tank - A
8. Gas Decay Tanks
9. Laundry & Hot Shower Tanks
10. Chemical Drain Tank
11. Auxiliary Feedwater Pump 1A-A
12. Pipe Gallery - Unit 1
13. Pipe Chase - Unit 1
14. Charging Pump 1A-A
15. Charging Pump 1B-B
16. Charging Pump 1C-C
17. Safety Injection Pump 1B-B
18. Safety Injection Pump 1A-A
19. Refueling Water Purification Filters
20. Cask Decon Collector Tank
21. Spent Resin Storage Tank
22. Spent Resin Valve Gallery
23. Waste Evaporator Pkg. Room
24. Auxiliary Waste Evaporator Pkg. Room
25. Safety Injection Pump 2A-A
26. Safety Injection Pump 2B-B
27. Charging Pump 2C-C
28. Charging Pump 2B-B
29. Charging Pump 2A-A
30. Pipe Gallery - Unit 2
31. Pipe Chase - Unit 2
32. Auxiliary Feedwater Pump 2A-A

DATE: 9/11/84 TIME: 0400
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data

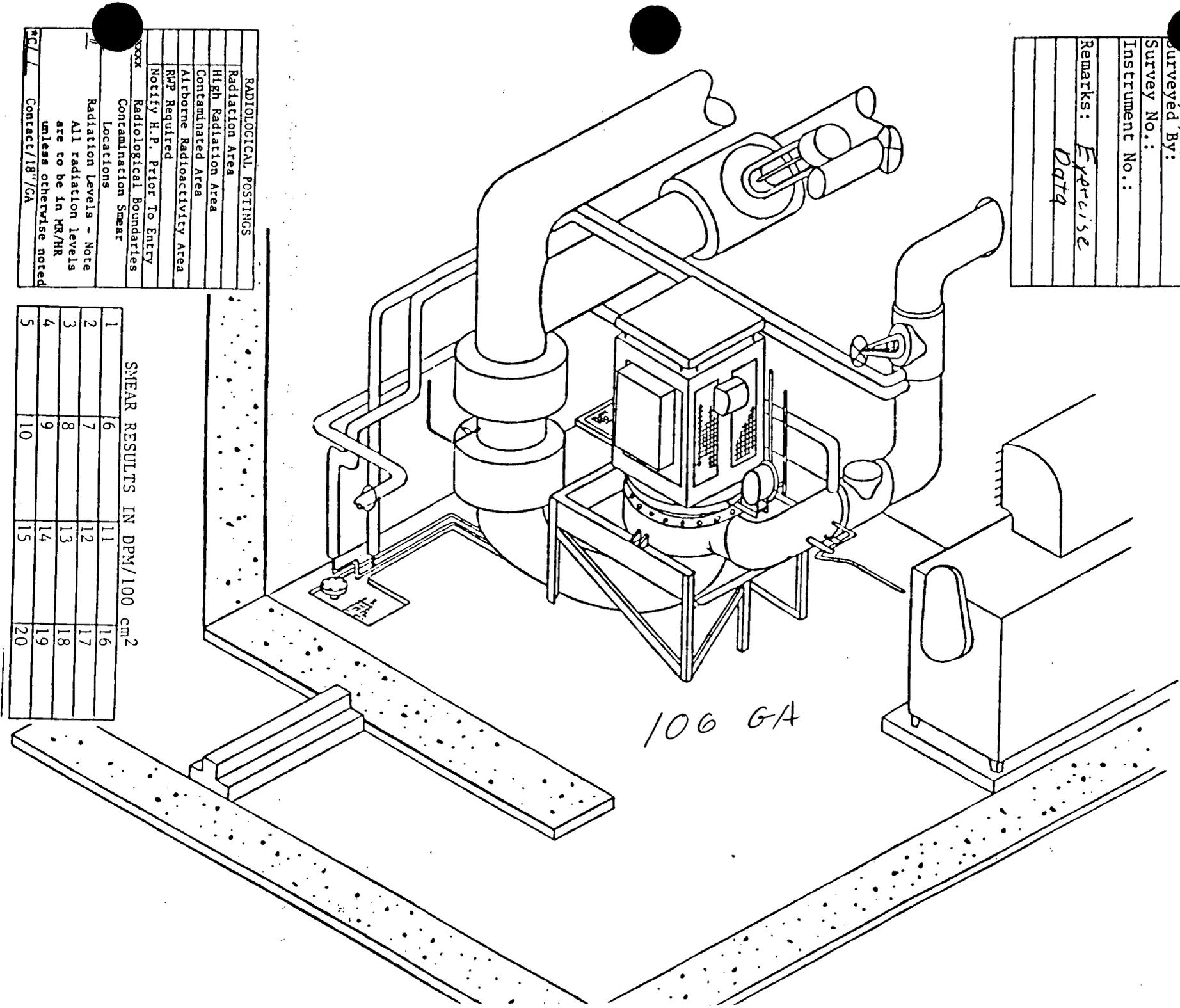
| RADIOLOGICAL POSTINGS | |
|--------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| XXXXX | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| # | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| *C/L | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 1A-A RHR PUMP ROOM
 ELEV. 676'

E: 9/11/84 TIME: 0700
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: *Exercise*
Data



RADIOLOGICAL POSTINGS

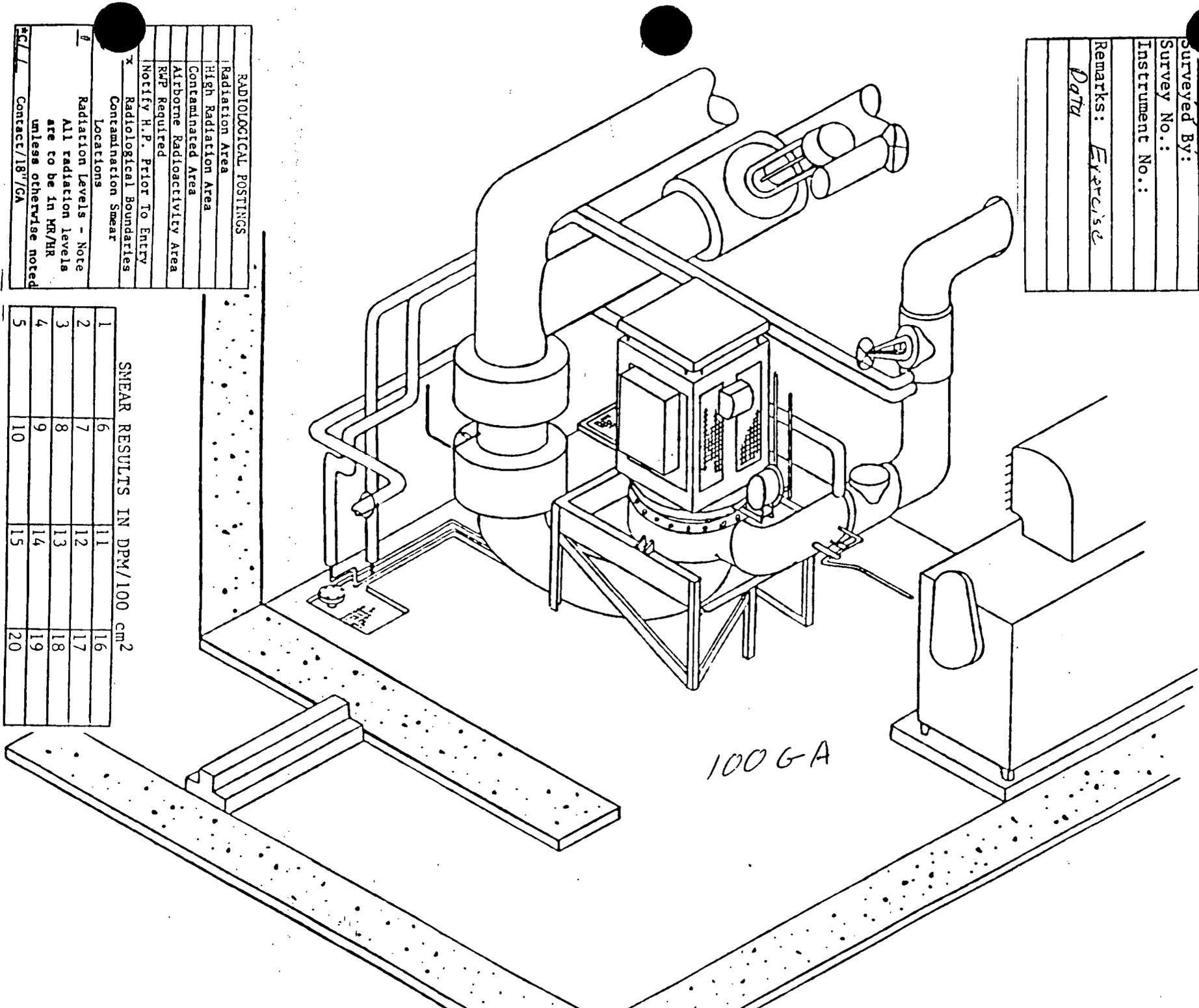
| |
|------------------------------|
| Radiation Area |
| High Radiation Area |
| Contaminated Area |
| Airborne Radioactivity Area |
| RWP Required |
| Notify H.P. Prior To Entry |
| xxxx Radiological Boundaries |
| Contamination Smear |
| Locations |
| Radiation Levels - Note |
| All radiation levels |
| are to be in HR/HR |
| unless otherwise noted |
| *C/ / Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 IB-B RHR PUMP ROOM
 ELEV. 676'

FE: *9/11/84* TIME: *0700*
 Surveyed By: _____
 Survey No.: _____
 Instrument No.: _____
 Remarks: *Exercise*
Date

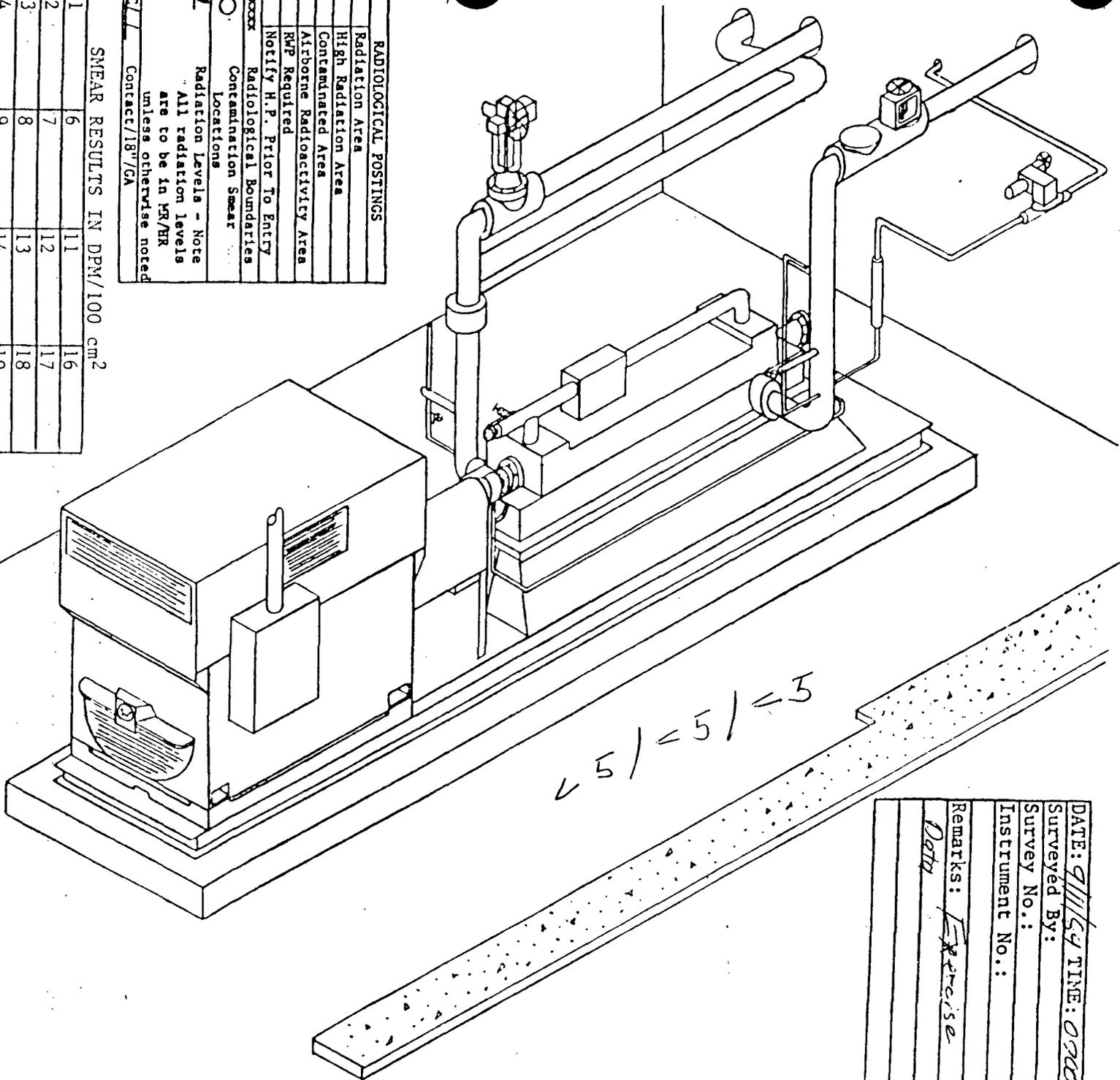


| RADIOLOGICAL POSTINGS | |
|-----------------------|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RWP Required |
| | Notify H.P. Prior To Entry |
| x | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| | Radiation Levels - Note |
| | All radiation levels |
| | are to be in MR/HR |
| | unless otherwise noted |
| CL | Contact/18"/GA |

| SMEAR RESULTS IN DPM/100 cm ² | | | | |
|--|----|----|----|--|
| 1 | 6 | 11 | 16 | |
| 2 | 7 | 12 | 17 | |
| 3 | 8 | 13 | 18 | |
| 4 | 9 | 14 | 19 | |
| 5 | 10 | 15 | 20 | |

AUXILIARY BLDG.
 1A-A SAFETY INJECTION PUMP ROOM
 ELEV. 692'

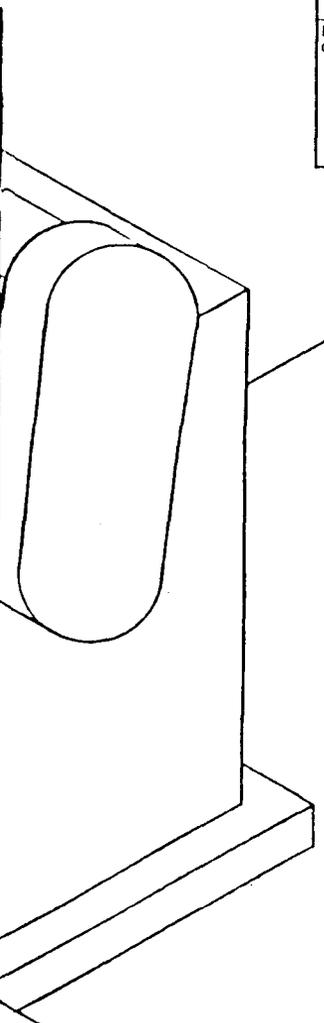
DATE: 9/11/54 TIME: 0900
 Surveyed By: _____
 Survey No.: _____
 Instrument No.: _____
 Remarks: Exercise
 Data



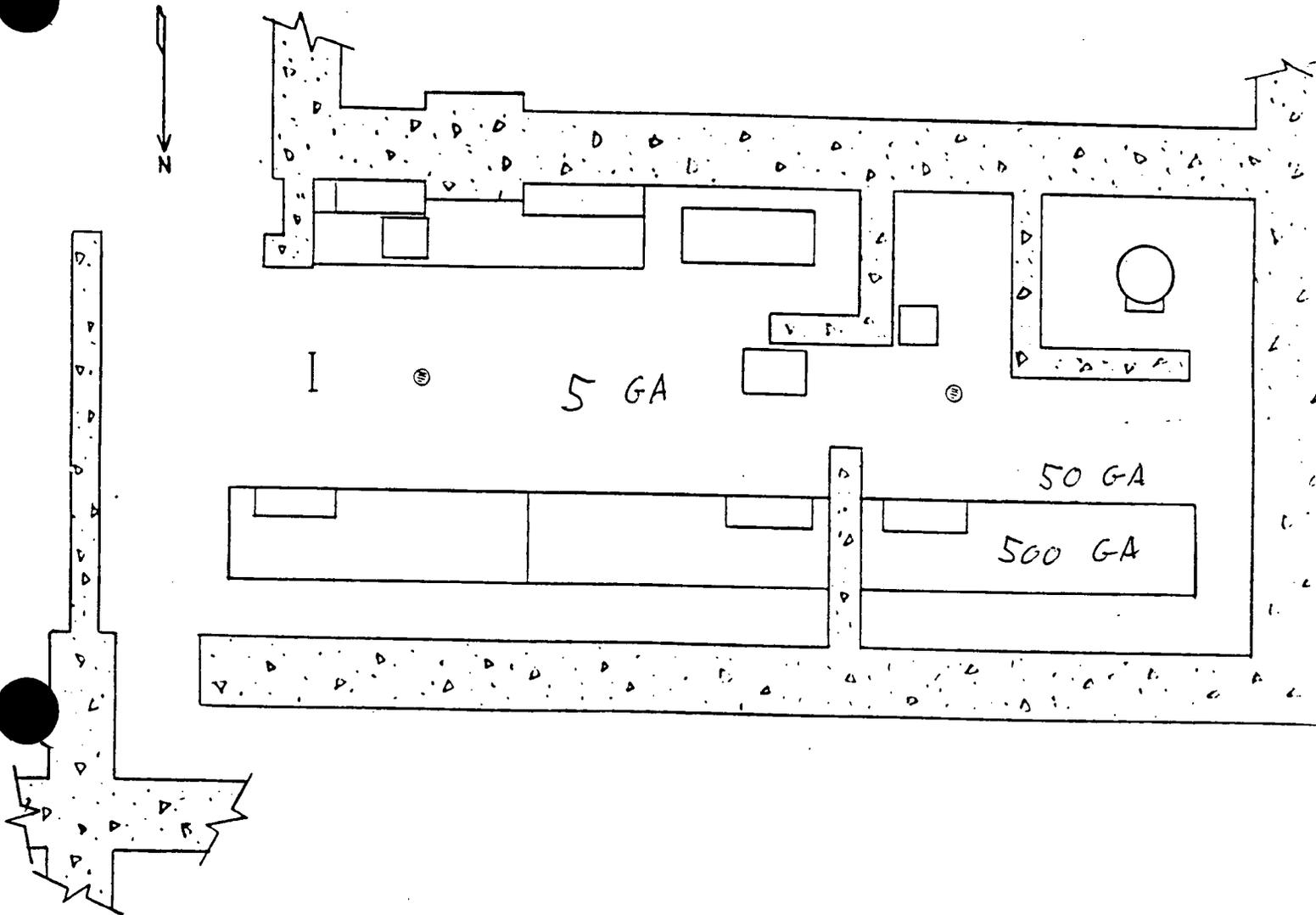
| RADIOLOGICAL POSTINGS | |
|-------------------------------------|---|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input type="checkbox"/> | xxxxx Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in KR/HR unless otherwise noted |
| <input type="checkbox"/> | *C/ / Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
UNIT I HOT SAMPLE ROOM
ELEV. 713'



| RADIOLOGICAL POSTINGS | |
|-------------------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input checked="" type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| <input type="checkbox"/> | Contact/18"/GA |

DATE: 9/11/84 TIME: 0700

Surveyed By:

Survey No.:

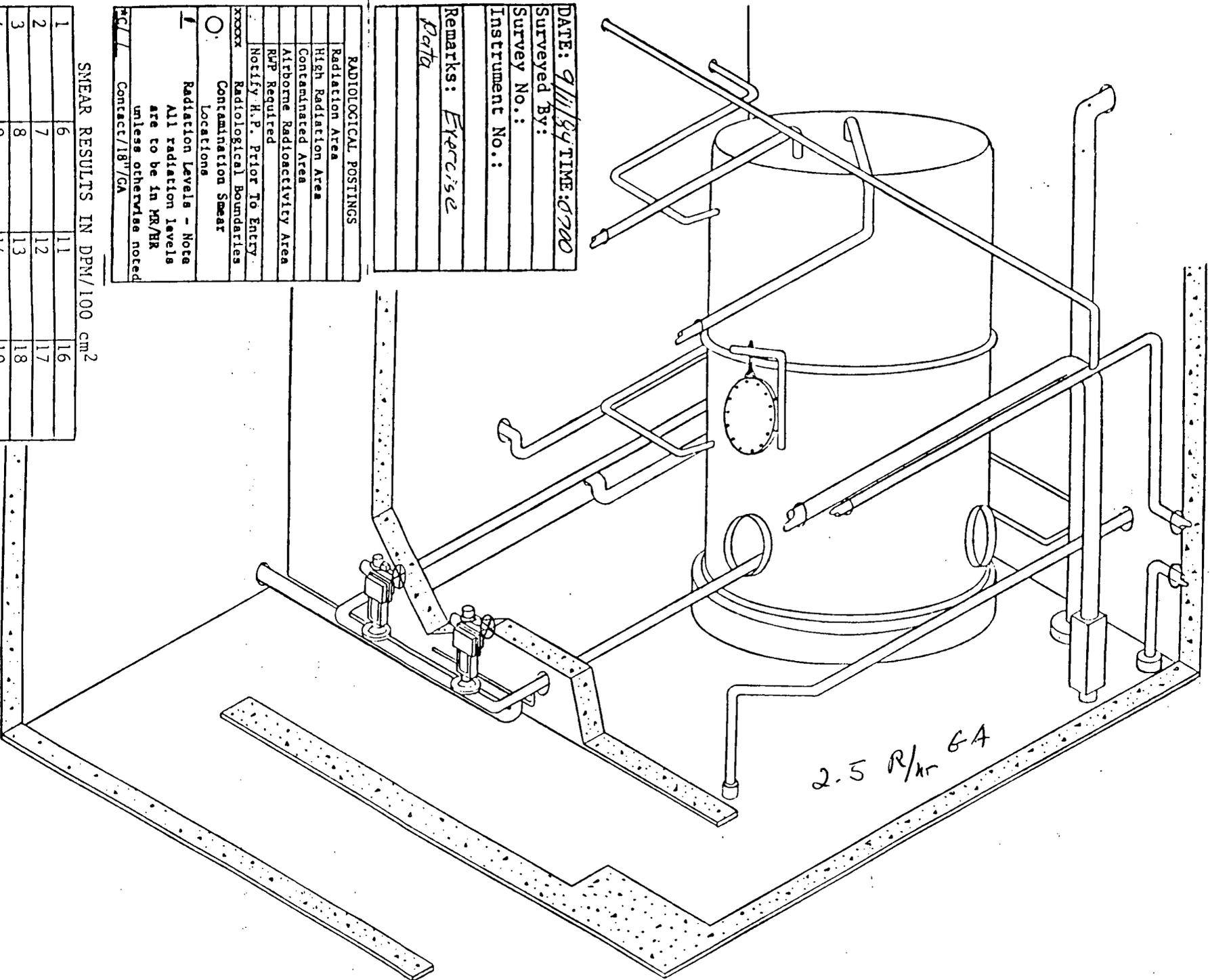
Instrument No.:

Remarks: *Fracture Data*

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 UNIT 1 VOLUME CONTROL TANK ROOM
 ELEV. 713'



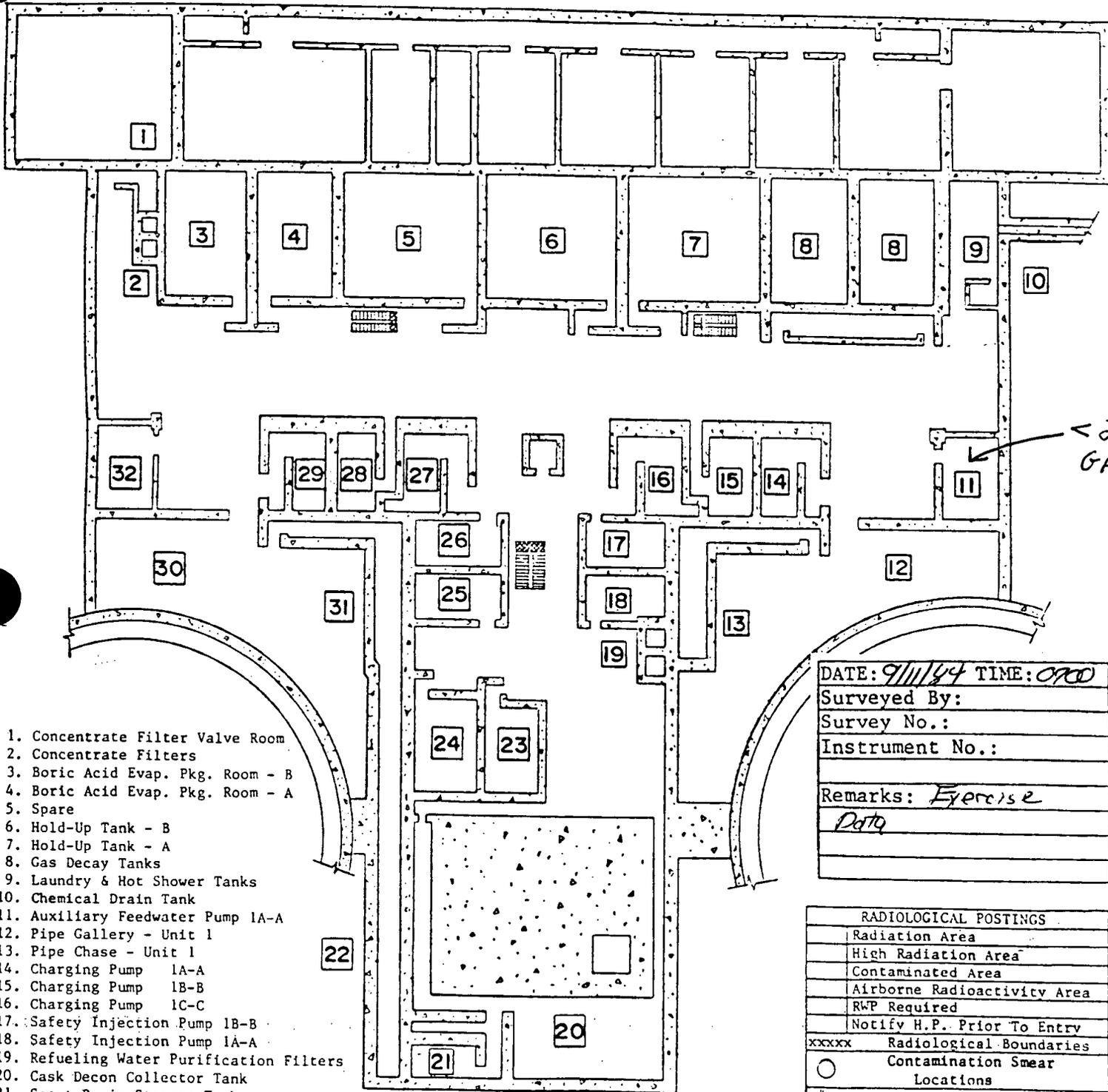
DATE: 9/11/84 TIME: 0700
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data

| RADIOLOGICAL POSTINGS | |
|-------------------------------------|---|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RFP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear |
| <input type="checkbox"/> | Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in HR/HR unless otherwise noted |
| <input type="checkbox"/> | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
ELEV. 692' G/A



1. Concentrate Filter Valve Room
2. Concentrate Filters
3. Boric Acid Evap. Pkg. Room - B
4. Boric Acid Evap. Pkg. Room - A
5. Spare
6. Hold-Up Tank - B
7. Hold-Up Tank - A
8. Gas Decay Tanks
9. Laundry & Hot Shower Tanks
10. Chemical Drain Tank
11. Auxiliary Feedwater Pump 1A-A
12. Pipe Gallery - Unit 1
13. Pipe Chase - Unit 1
14. Charging Pump 1A-A
15. Charging Pump 1B-B
16. Charging Pump 1C-C
17. Safety Injection Pump 1B-B
18. Safety Injection Pump 1A-A
19. Refueling Water Purification Filters
20. Cask Decon Collector Tank
21. Spent Resin Storage Tank
22. Spent Resin Valve Gallery
23. Waste Evaporator Pkg. Room
24. Auxiliary Waste Evaporator Pkg. Room
25. Safety Injection Pump 2A-A
26. Safety Injection Pump 2B-B
27. Charging Pump 2C-C
28. Charging Pump 2B-B
29. Charging Pump 2A-A
30. Pipe Gallery - Unit 2
31. Pipe Chase - Unit 2
32. Auxiliary Feedwater Pump 2A-A

DATE: 9/11/84 TIME: 0700
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data

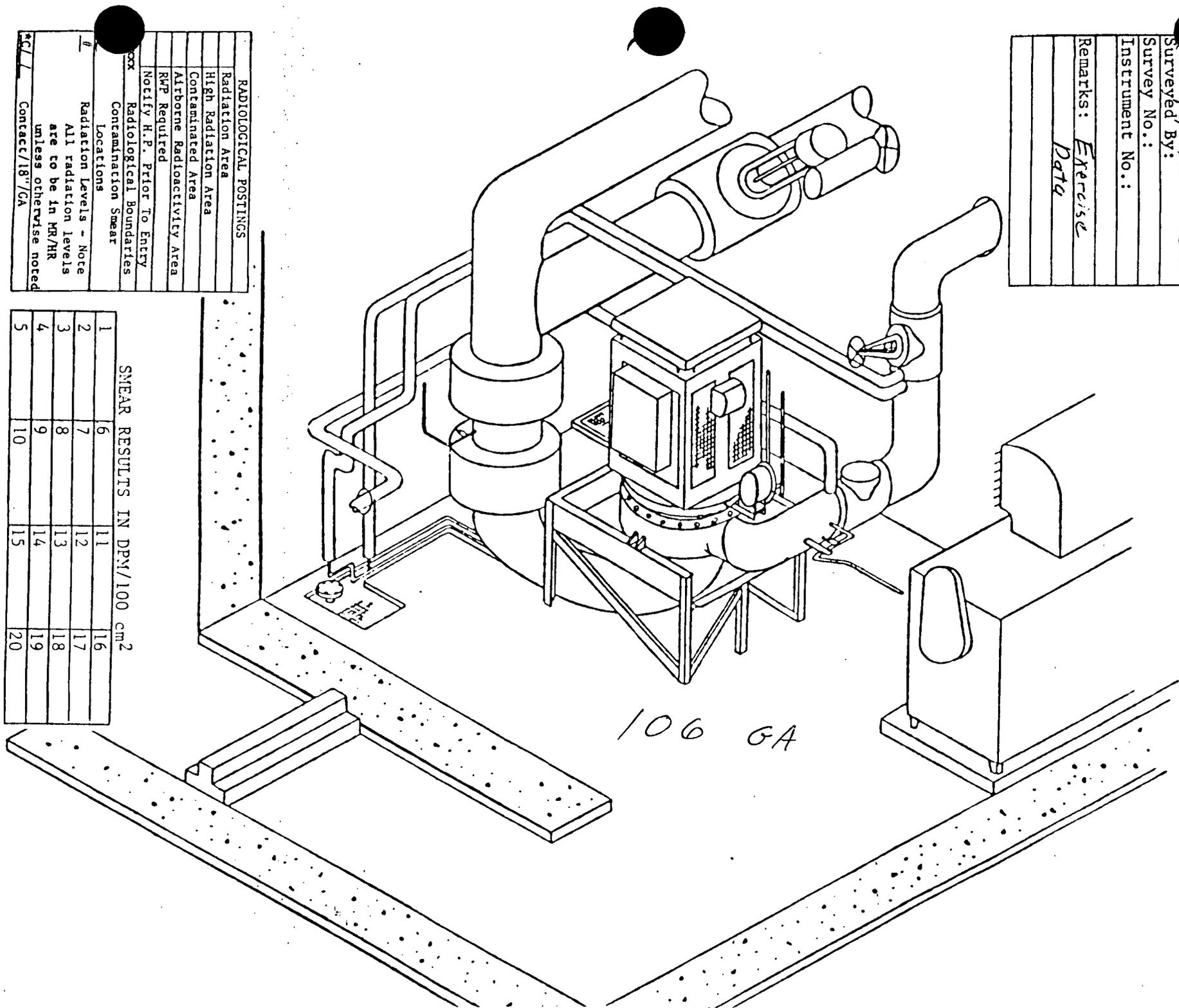
| RADIOLOGICAL POSTINGS | |
|--------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| xxxxx | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear |
| <input type="checkbox"/> | Locations |
| # | Radiation Levels - Note |
| | All radiation levels are to be in MR/HR unless otherwise noted |
| *C/L | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 1A-A RHR PUMP ROOM
 ELEV. 676'

E: 9/11/54 TIME: 0800
 Surveyed By: _____
 Survey No.: _____
 Instrument No.: _____
 Remarks: Exercise
 Data



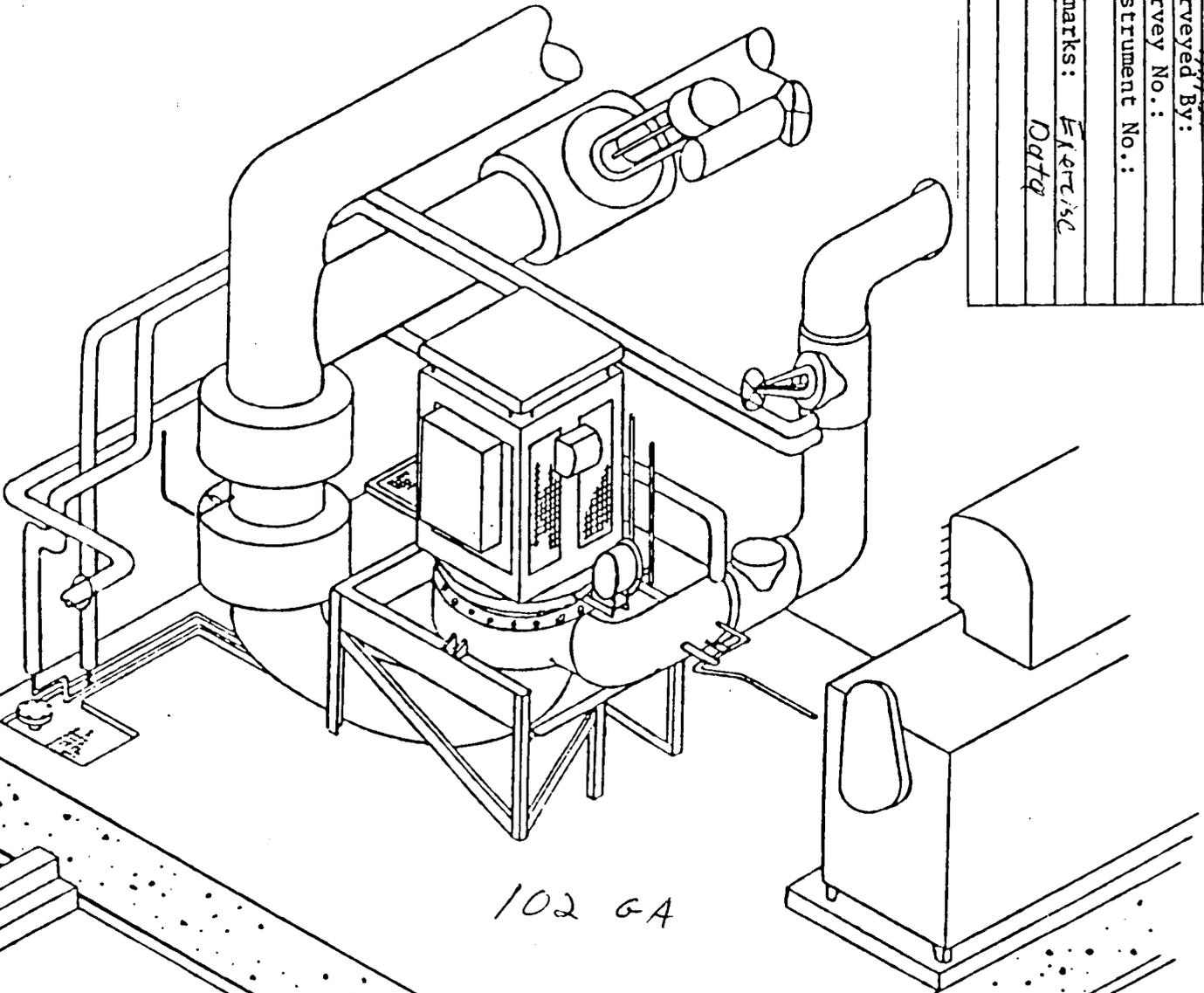
| RADIOLOGICAL POSTINGS | |
|-----------------------|------------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Alloboone Radioactivity Area |
| | RMP Required |
| | Notify H.P. Prior To Entry |
| CK | Radiological Boundaries |
| | Contamination Smeat |
| | Locations |
| # | Radiation Levels - Note |
| | All radiation levels |
| | are to be in MR/HR |
| | unless otherwise noted |
| GC/1 | Contact/18"/GA |

SNEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 1B-B RHR PUMP ROOM
 ELEV. 676'

E: 4/11/84 TIME: 0800
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Electric
 Data



102 GA

RADIOLOGICAL POSTINGS

| | |
|--|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RMP Required |
| | Notify H.P. Prior To Entry |
| | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| | Radiation Levels - Note |
| | All radiation levels |
| | are to be in HR/HR |
| | unless otherwise noted |
| | Contact/18"/GA |

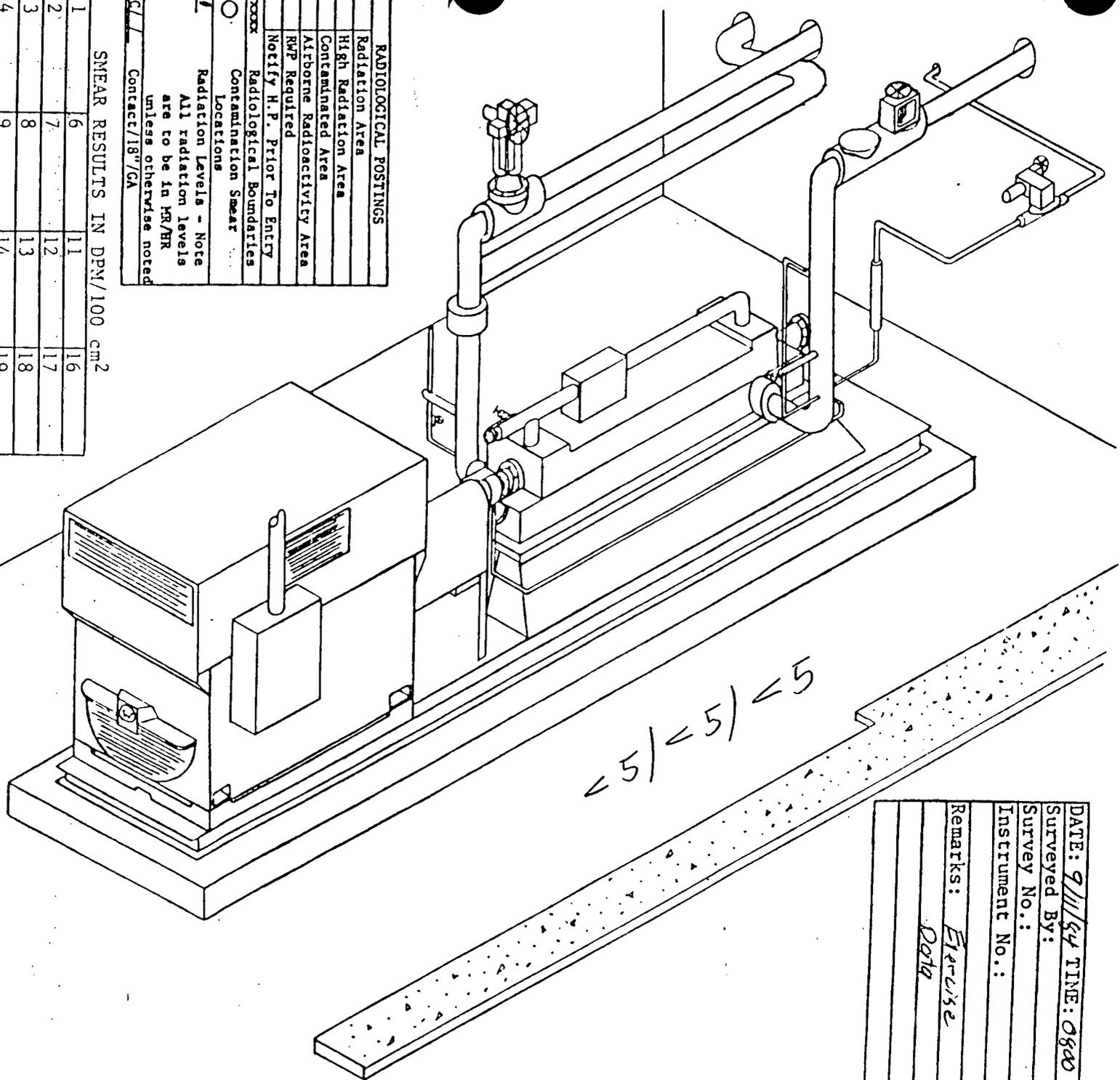
SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
IA-A SAFETY INJECTION PUMP ROOM
ELEV. 692'

DATE: 9/11/84 TIME: 0800
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: *Exercise Data*

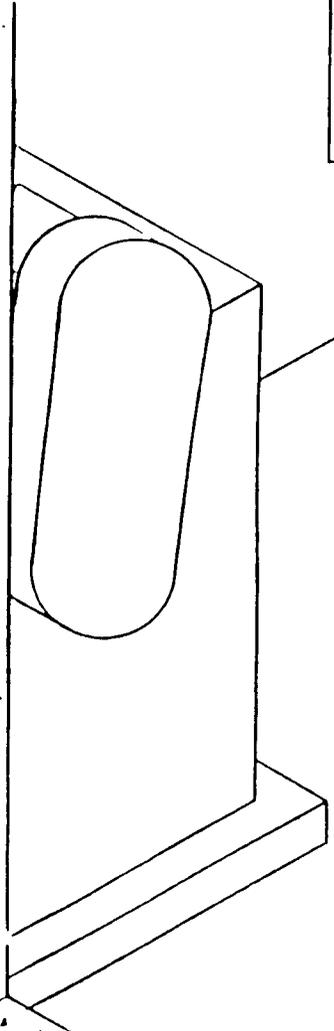
< 5 / < 5 / < 5



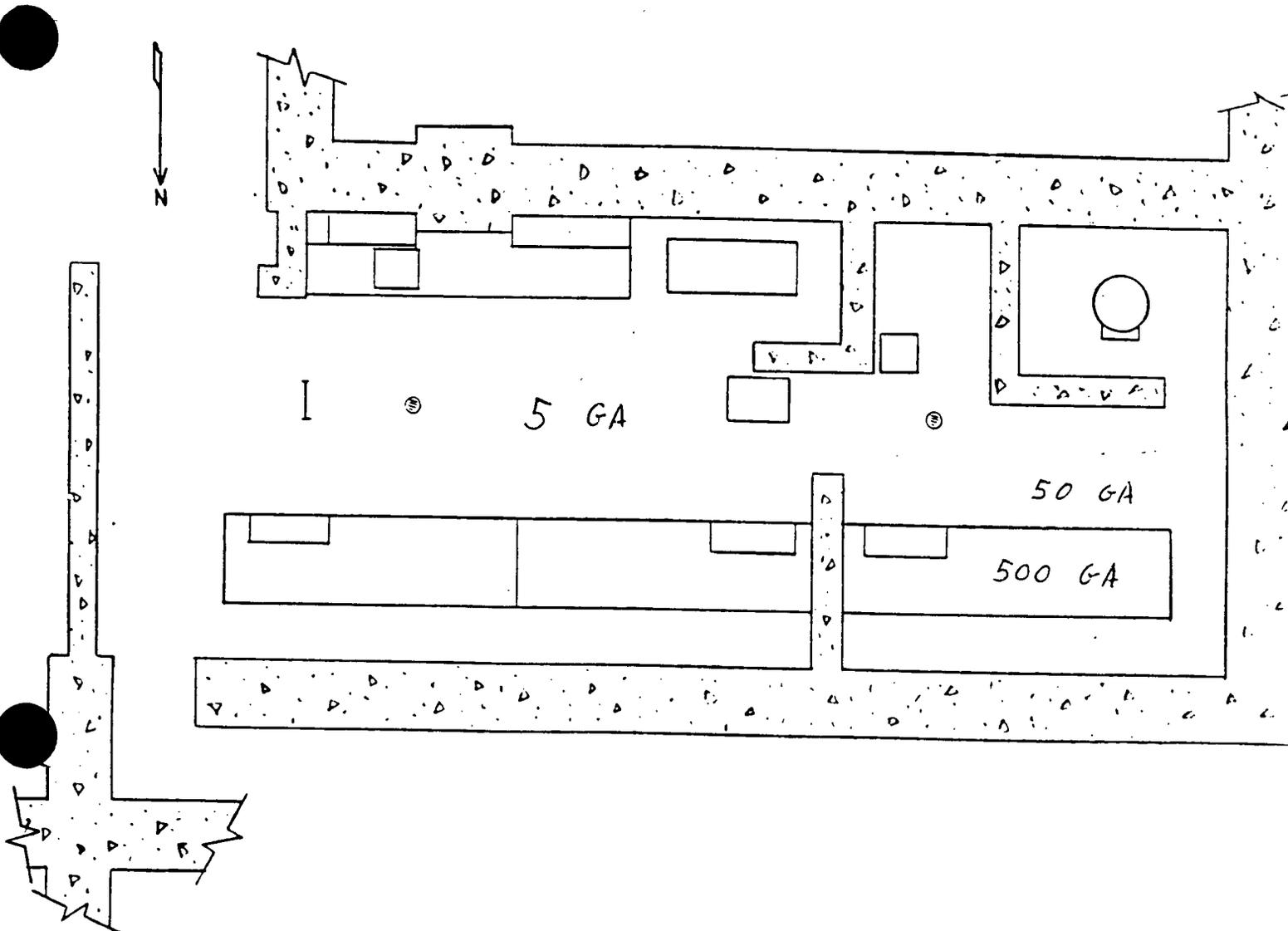
| RADIOLOGICAL POSTINGS | |
|-------------------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input checked="" type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| <input checked="" type="checkbox"/> | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
 UNIT 1 HOT SAMPLE ROOM
 ELEV. 713'



| RADIOLOGICAL POSTINGS | |
|-------------------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input checked="" type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| <input checked="" type="checkbox"/> | Contact/18"/GA |

DATE: 9/11/84 TIME: 0800

Surveyed By: _____

Survey No.: _____

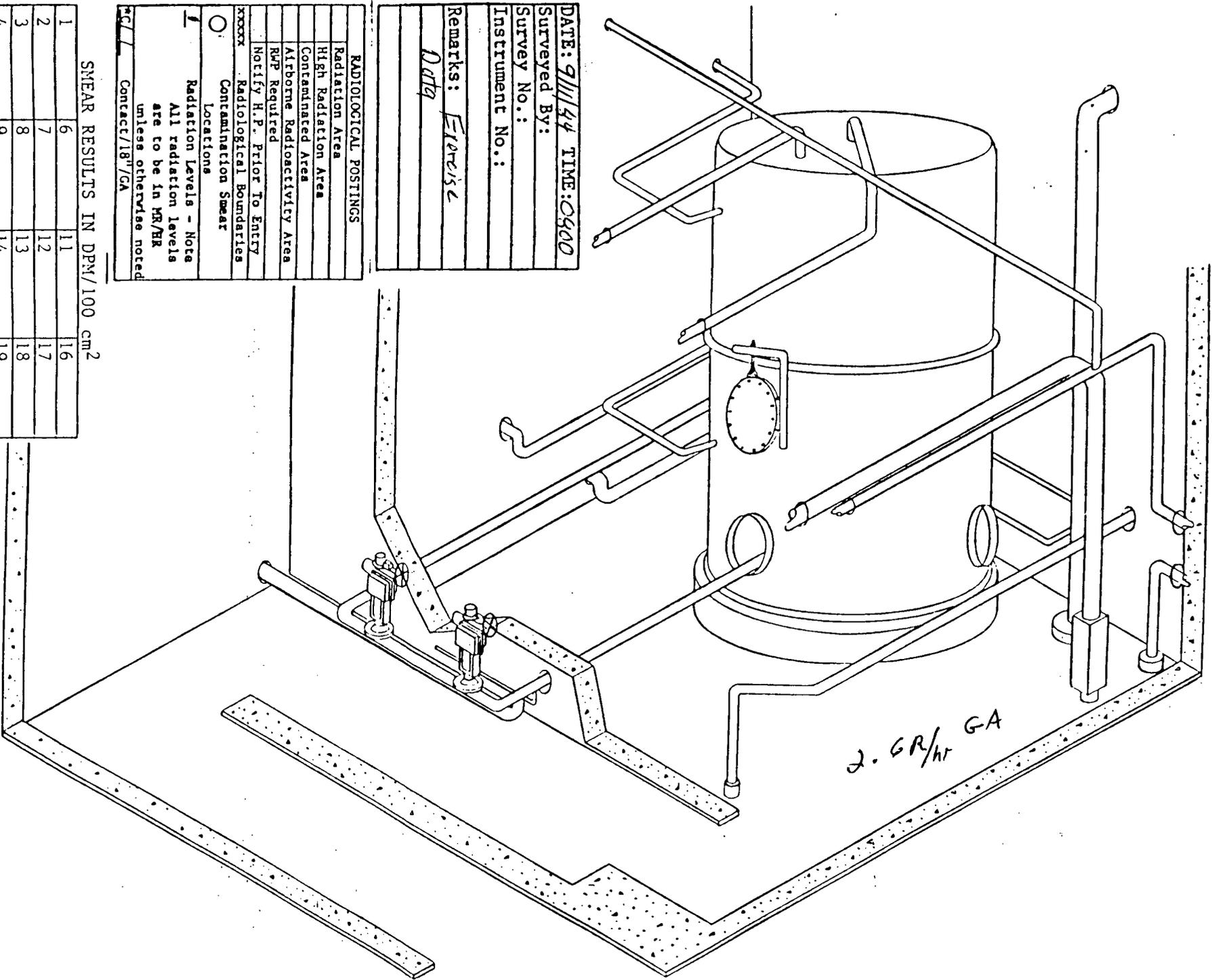
Instrument No.: _____

Remarks: Exercise Data

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG
 UNIT 1 VOLUME CONTROL TANK ROOM
 ELEV. 713'



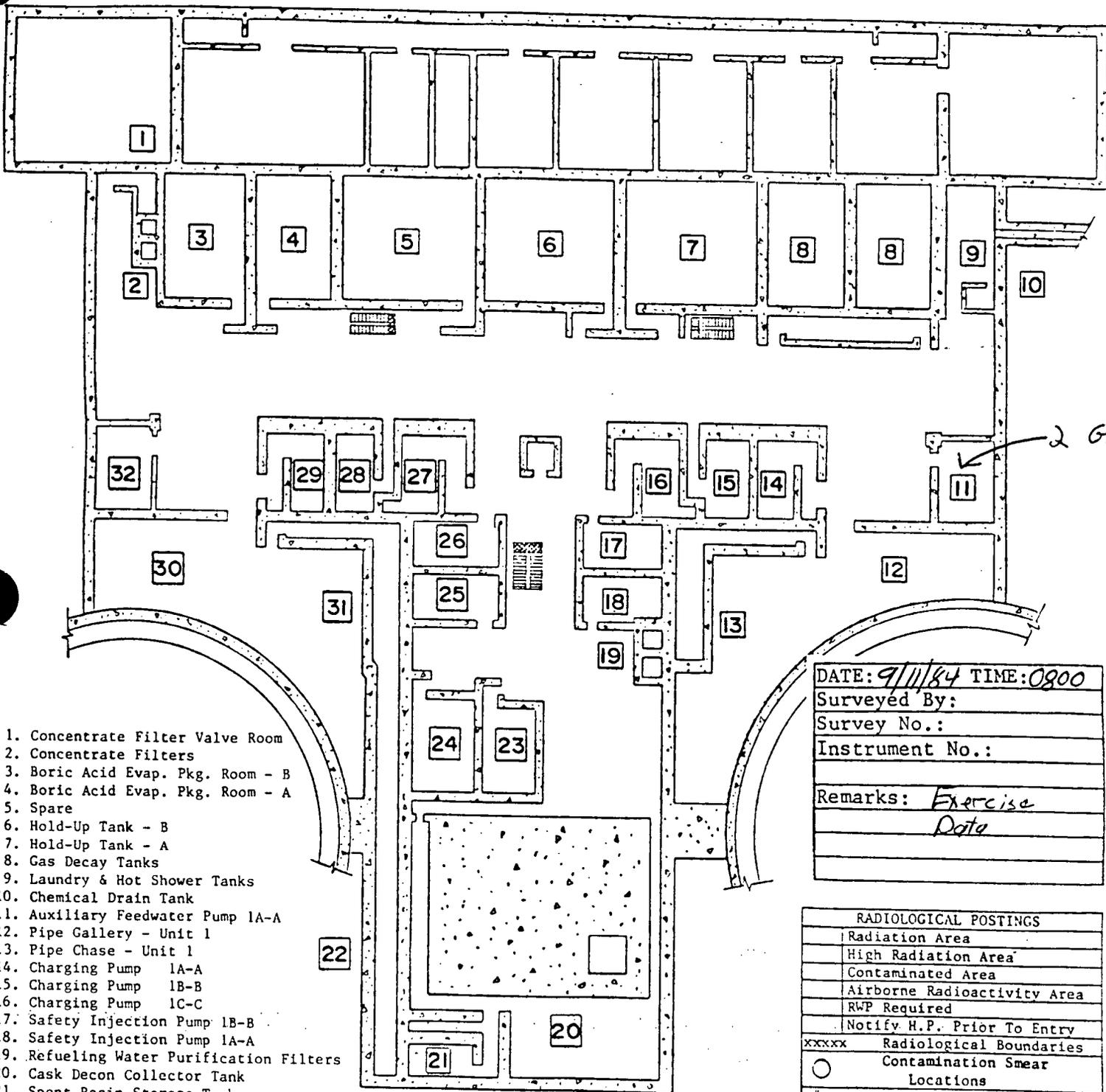
DATE: 9/11/44 TIME: 0900
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data

| RADIOLOGICAL POSTINGS | |
|-------------------------------------|---|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input type="checkbox"/> | xxxxx Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear |
| <input type="checkbox"/> | Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| <input type="checkbox"/> | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
ELEV. 692' G/A



1. Concentrate Filter Valve Room
2. Concentrate Filters
3. Boric Acid Evap. Pkg. Room - B
4. Boric Acid Evap. Pkg. Room - A
5. Spare
6. Hold-Up Tank - B
7. Hold-Up Tank - A
8. Gas Decay Tanks
9. Laundry & Hot Shower Tanks
10. Chemical Drain Tank
11. Auxiliary Feedwater Pump 1A-A
12. Pipe Gallery - Unit 1
13. Pipe Chase - Unit 1
14. Charging Pump 1A-A
15. Charging Pump 1B-B
16. Charging Pump 1C-C
17. Safety Injection Pump 1B-B
18. Safety Injection Pump 1A-A
19. Refueling Water Purification Filters
20. Cask Decon Collector Tank
21. Spent Resin Storage Tank
22. Spent Resin Valve Gallery
23. Waste Evaporator Pkg. Room
24. Auxiliary Waste Evaporator Pkg. Room
25. Safety Injection Pump 2A-A
26. Safety Injection Pump 2B-B
27. Charging Pump 2C-C
28. Charging Pump 2B-B
29. Charging Pump 2A-A
30. Pipe Gallery - Unit 2
31. Pipe Chase - Unit 2
32. Auxiliary Feedwater Pump 2A-A

DATE: 9/11/84 TIME: 0800
 Surveyed By: _____
 Survey No.: _____
 Instrument No.: _____
 Remarks: Exercise
 Date

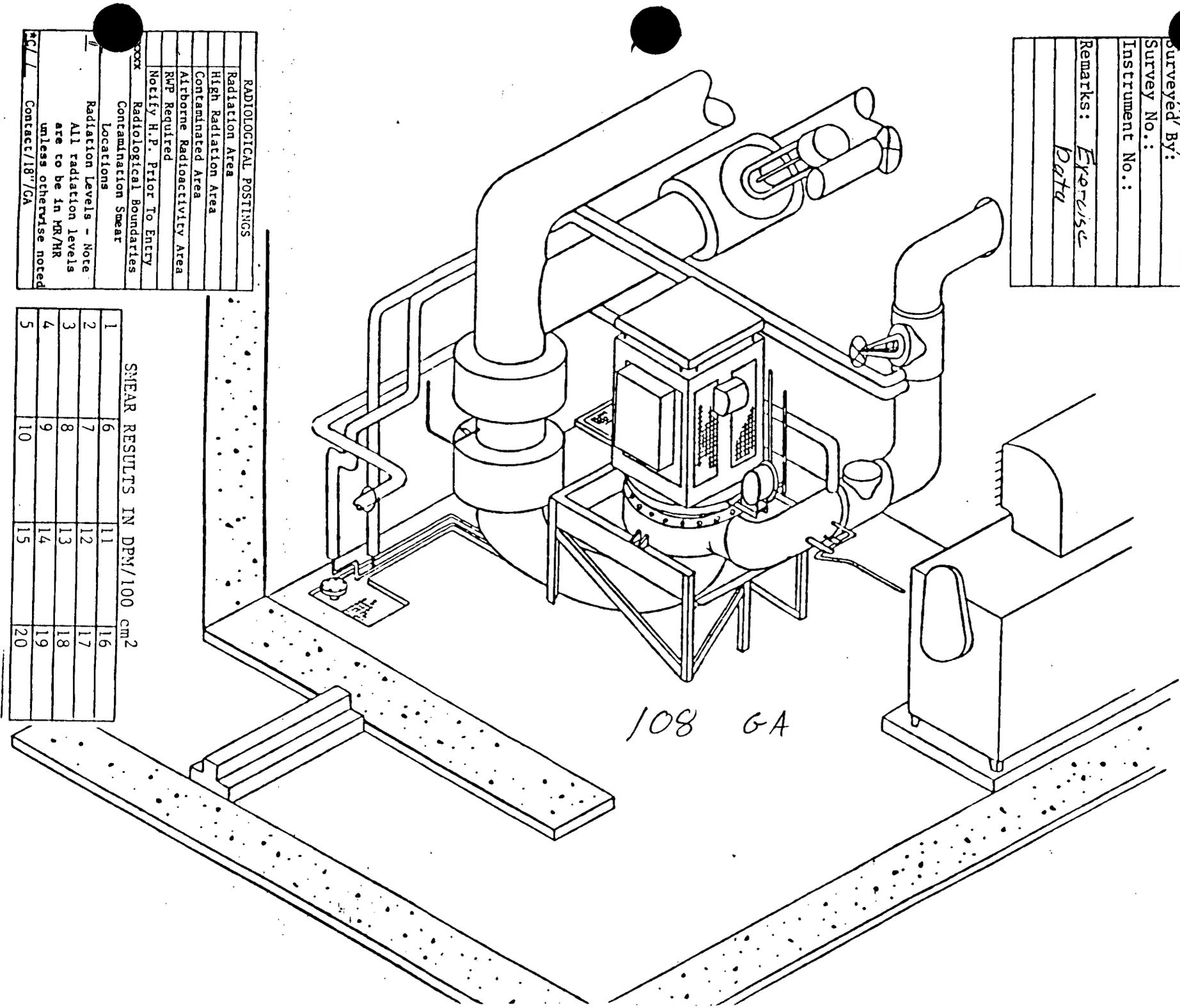
| RADIOLOGICAL POSTINGS | |
|--------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| XXXXXX | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear |
| <input type="checkbox"/> | Locations |
| # | Radiation Levels - Note |
| | All radiation levels are to be in MR/HR unless otherwise noted |
| *C/ L | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 1A-A RHR PUMP ROOM
 ELEV. 676'

E: 9/11/84 TIME: 0900
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



108 GA

RADIOLOGICAL POSTINGS

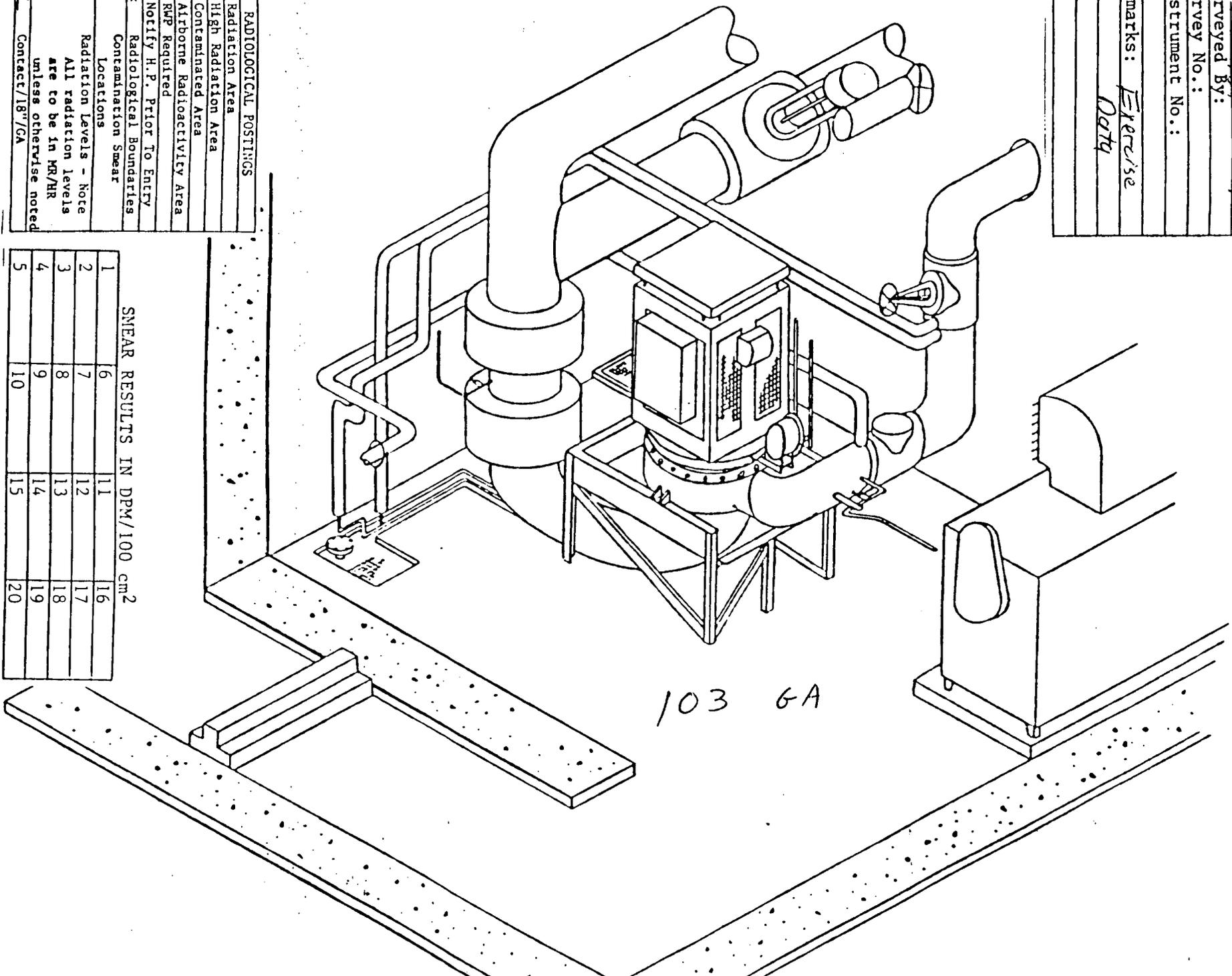
| |
|-------------------------------|
| Radiation Area |
| High Radiation Area |
| Contaminated Area |
| Airborne Radioactivity Area |
| RWP Required |
| Notify H.P. Prior To Entry |
| Contamination Boundaries |
| Contamination Smear Locations |
| Radiation Levels - Note |
| All radiation levels |
| are to be in HR/HR |
| unless otherwise noted |
| *C/ / Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 IB-B RHR PUMP ROOM
 ELEV. 676'

TE: 9/11/84 TIME: 0900
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



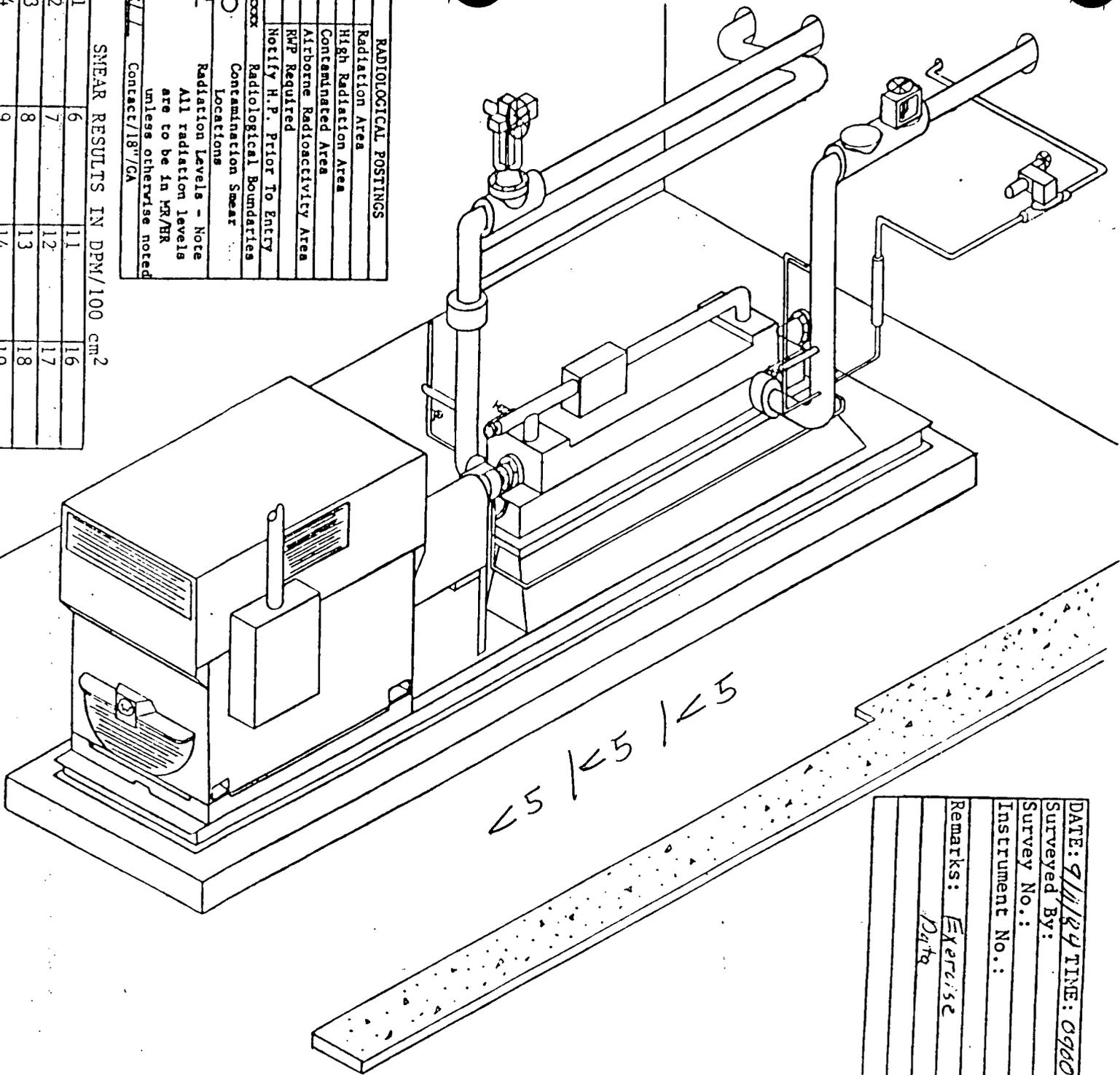
103 6A

| RADIOLOGICAL POSTINGS | |
|-----------------------|------------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Alarborne Radioactivity Area |
| | RWP Required |
| | Notify H.P. Prior To Entry |
| x | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| # | Radiation Levels - Note |
| | All radiation levels |
| | are to be in MR/HR |
| | unless otherwise noted |
| *C/L | Contact/18"/GA |

| SMEAR RESULTS IN DPM/100 cm ² | |
|--|----|
| 1 | 6 |
| 2 | 7 |
| 3 | 8 |
| 4 | 9 |
| 5 | 10 |
| | 11 |
| | 12 |
| | 13 |
| | 14 |
| | 15 |
| | 16 |
| | 17 |
| | 18 |
| | 19 |
| | 20 |

AUXILIARY BLDG.
 IA-A SAFETY INJECTION PUMP ROOM
 ELEV. 692'

DATE: 9/11/84 TIME: 0900
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data

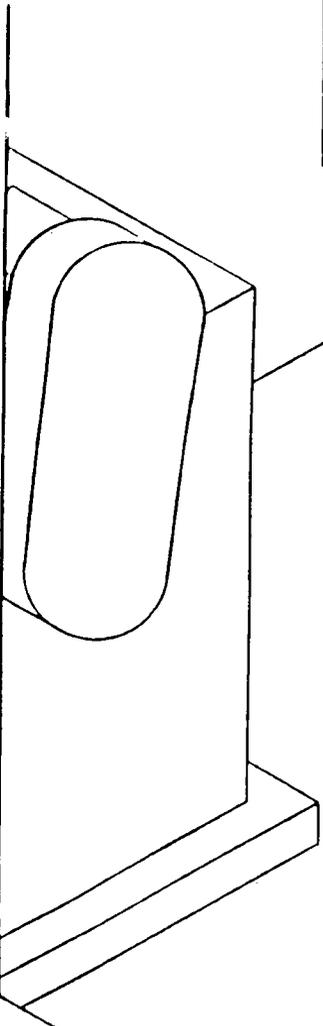


<5 / <5 / <5

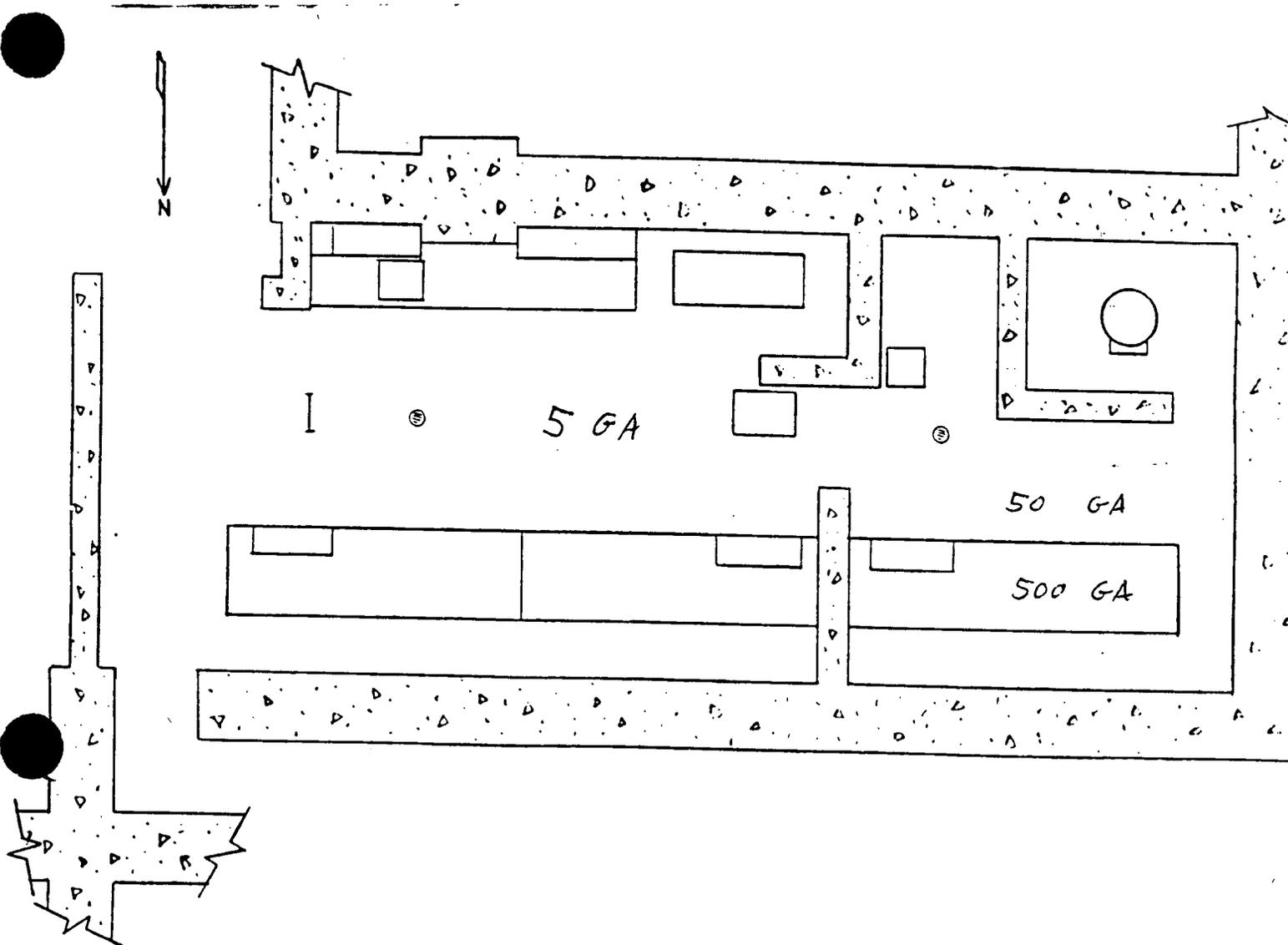
| RADIOLOGICAL POSTINGS | |
|-----------------------|--|
| □ | Radiation Area |
| □ | High Radiation Area |
| □ | Contaminated Area |
| □ | Airborne Radioactivity Area |
| □ | RFP Required |
| □ | Notify H. P. Prior To Entry |
| XXXXX | Radiological Boundaries |
| ○ | Contamination Smear Locations |
| ⌈ | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| *C/ / | Contact/18"/GA |

SNEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
UNIT 1 HOT SAMPLE ROOM
ELEV. 713'



| RADIOLOGICAL POSTINGS | |
|-------------------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input checked="" type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| <input type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| <input checked="" type="checkbox"/> | Contact/18"/GA |

DATE: 9/11/84 TIME: 0900

Surveyed By:

Survey No.:

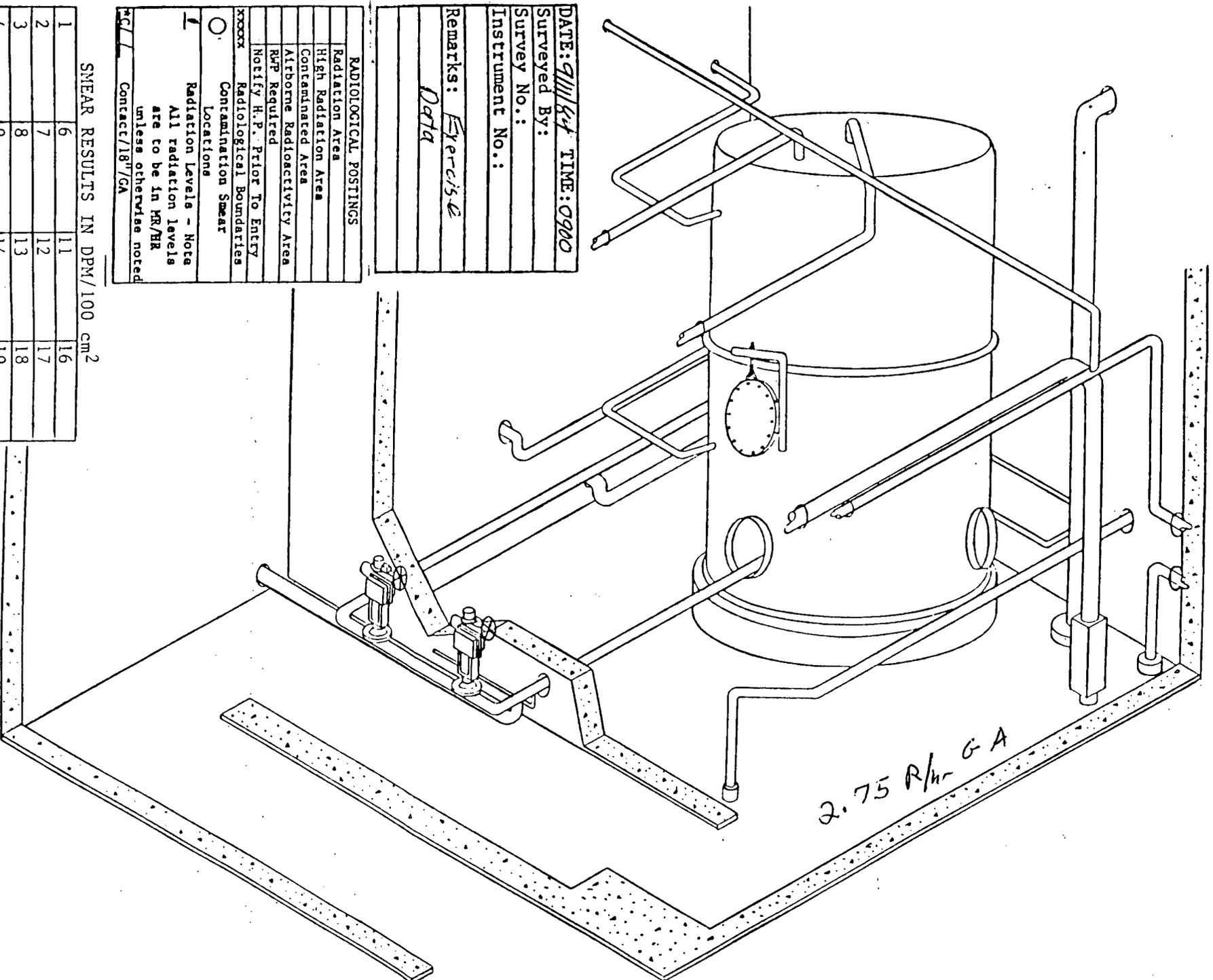
Instrument No.:

Remarks: Exercise Data

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
UNIT 1 VOLUME CONTROL TANK ROOM
ELEV. 713'



DATE: 9/11/84 TIME: 0900
 Surveyed By:
 Survey No.:
 Instrument No.:

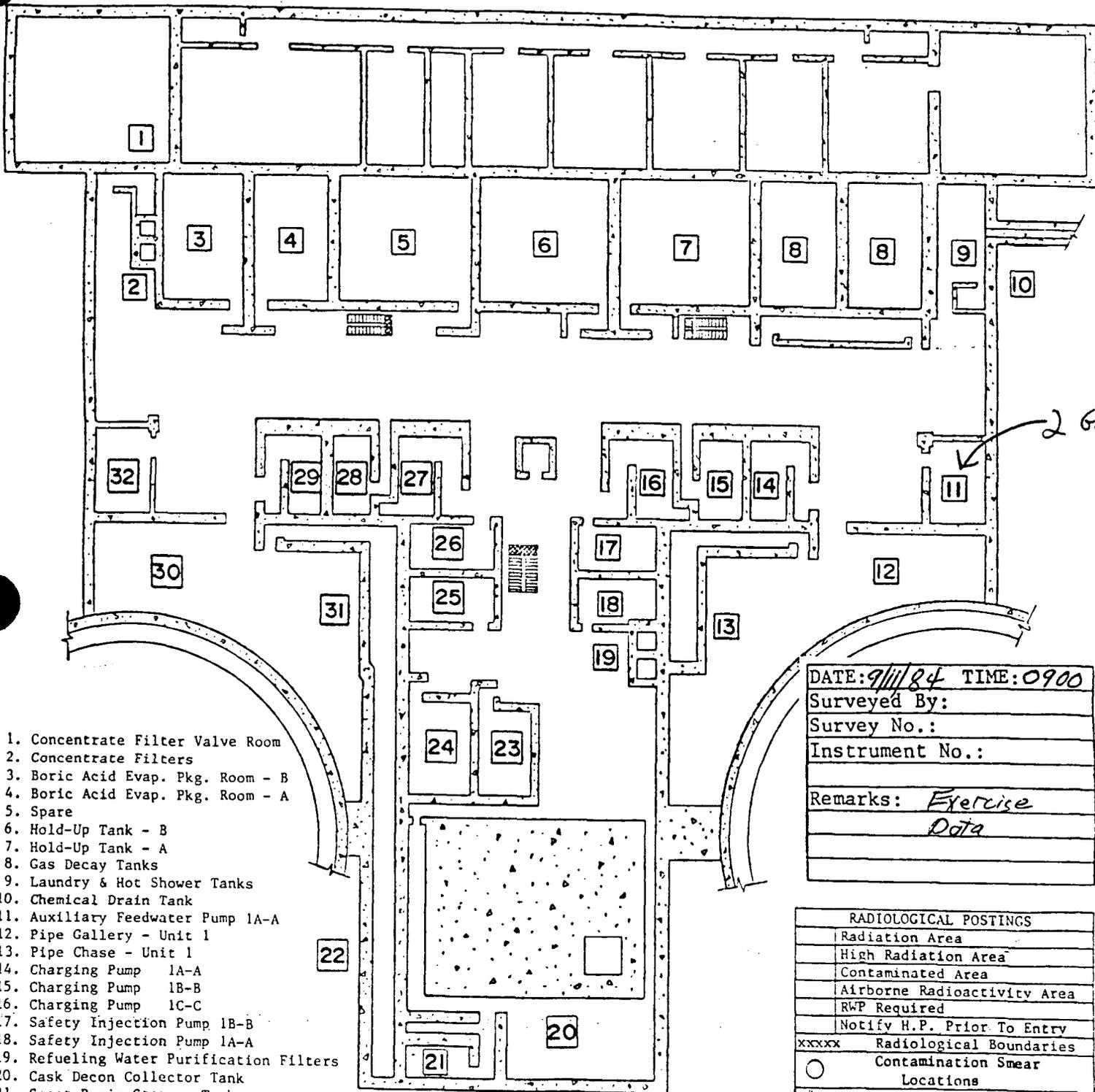
Remarks: *Exercise*
Data

| RADIOLOGICAL POSTINGS | |
|-------------------------------------|---|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear |
| <input type="checkbox"/> | Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in KR/HR unless otherwise noted |
| <input type="checkbox"/> | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
ELEV. 692' G/A



1. Concentrate Filter Valve Room
2. Concentrate Filters
3. Boric Acid Evap. Pkg. Room - B
4. Boric Acid Evap. Pkg. Room - A
5. Spare
6. Hold-Up Tank - B
7. Hold-Up Tank - A
8. Gas Decay Tanks
9. Laundry & Hot Shower Tanks
10. Chemical Drain Tank
11. Auxiliary Feedwater Pump 1A-A
12. Pipe Gallery - Unit 1
13. Pipe Chase - Unit 1
14. Charging Pump 1A-A
15. Charging Pump 1B-B
16. Charging Pump 1C-C
17. Safety Injection Pump 1B-B
18. Safety Injection Pump 1A-A
19. Refueling Water Purification Filters
20. Cask Decon Collector Tank
21. Spent Resin Storage Tank
22. Spent Resin Valve Gallery
23. Waste Evaporator Pkg. Room
24. Auxiliary Waste Evaporator Pkg. Room
25. Safety Injection Pump 2A-A
26. Safety Injection Pump 2B-B
27. Charging Pump 2C-C
28. Charging Pump 2B-B
29. Charging Pump 2A-A
30. Pipe Gallery - Unit 2
31. Pipe Chase - Unit 2
32. Auxiliary Feedwater Pump 2A-A

DATE: 9/11/84 TIME: 0900
 Surveyed By: _____
 Survey No.: _____
 Instrument No.: _____
 Remarks: *Exercise Data*

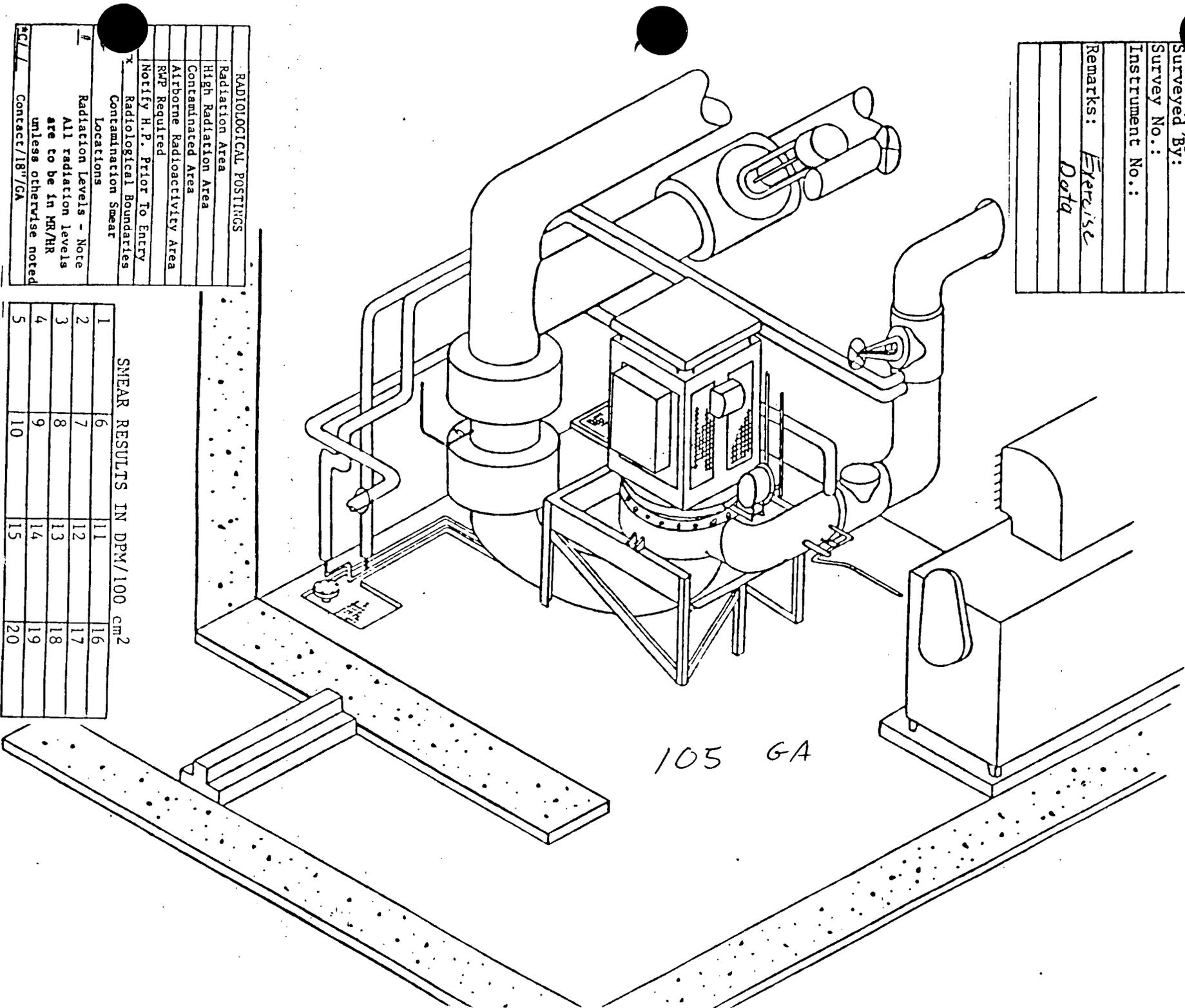
| RADIOLOGICAL POSTINGS | |
|--------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| XXXXX | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| # | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| *C/ / | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 1B-B RHR PUMP ROOM
 ELEV. 676'

DATE: 9/11/84 TIME: 1000
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



105 GA

RADIOLOGICAL POSTINGS

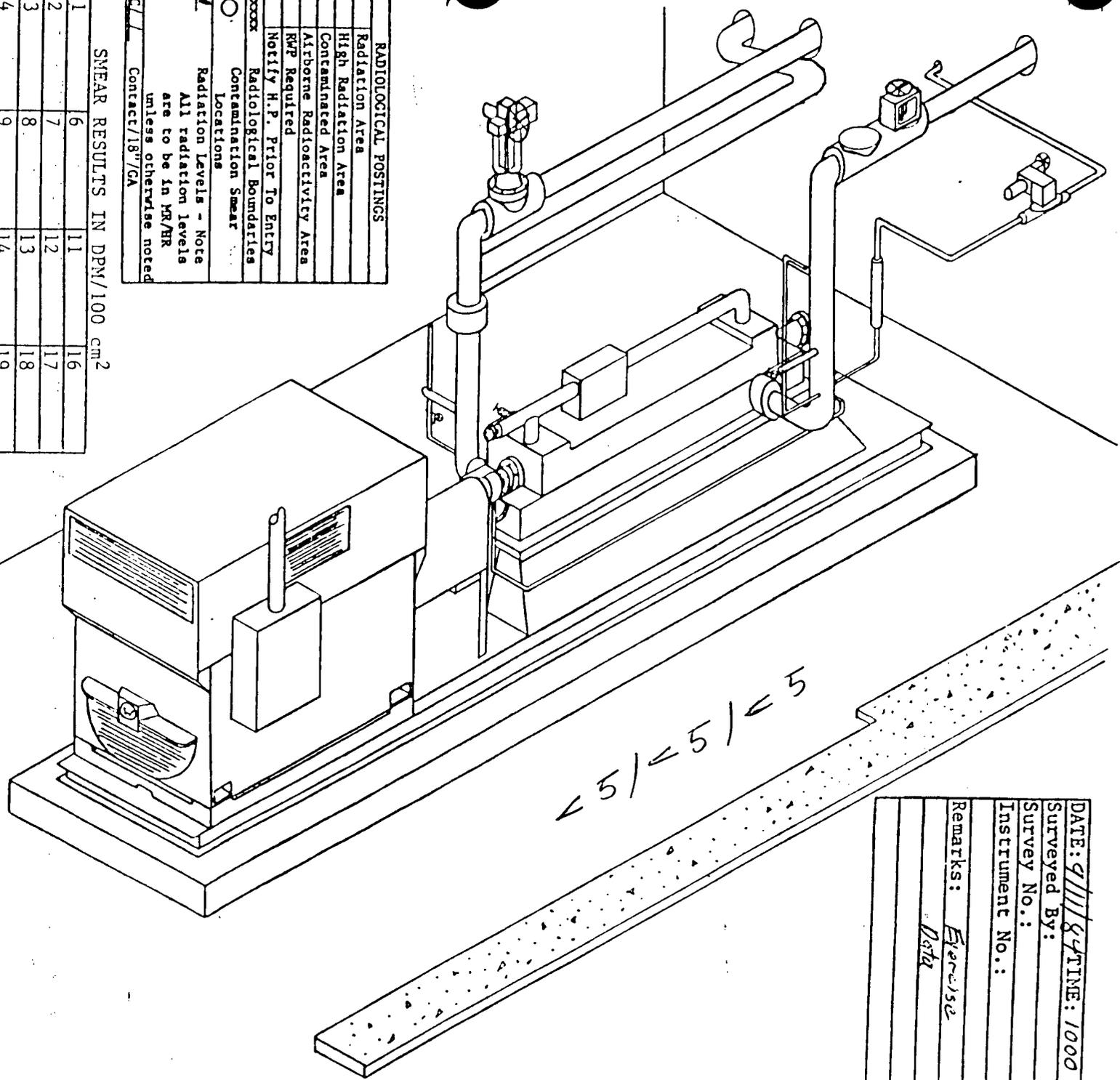
- _____ Radiation Area
 - _____ High Radiation Area
 - _____ Contaminated Area
 - _____ Airborne Radioactivity Area
 - _____ RMP Required
 - _____ Notify H.P. Prior To Entry
 - _____ Radiological Boundaries
 - _____ Contamination Smear Locations
- 9 Radiation Levels - Note
 All radiation levels
 are to be in MR/HR
 unless otherwise noted
- 10/1 Contact/18"/GA

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 IA-A SAFETY INJECTION PUMP ROOM
 ELEV. 692'

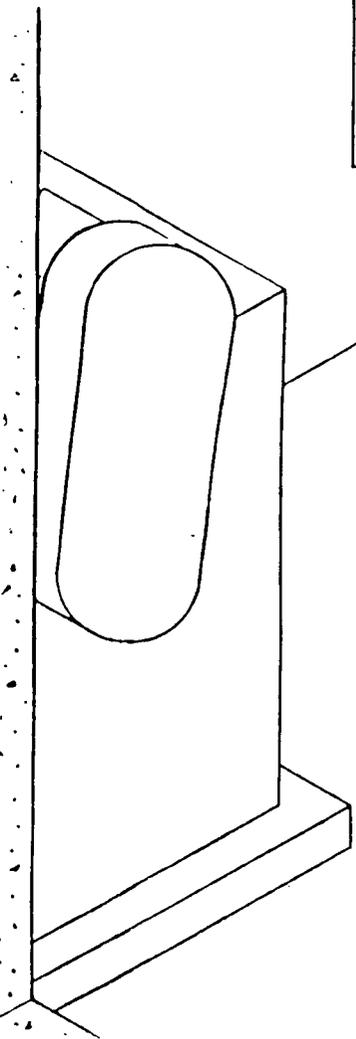
DATE: 9/11/84 TIME: 1000
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



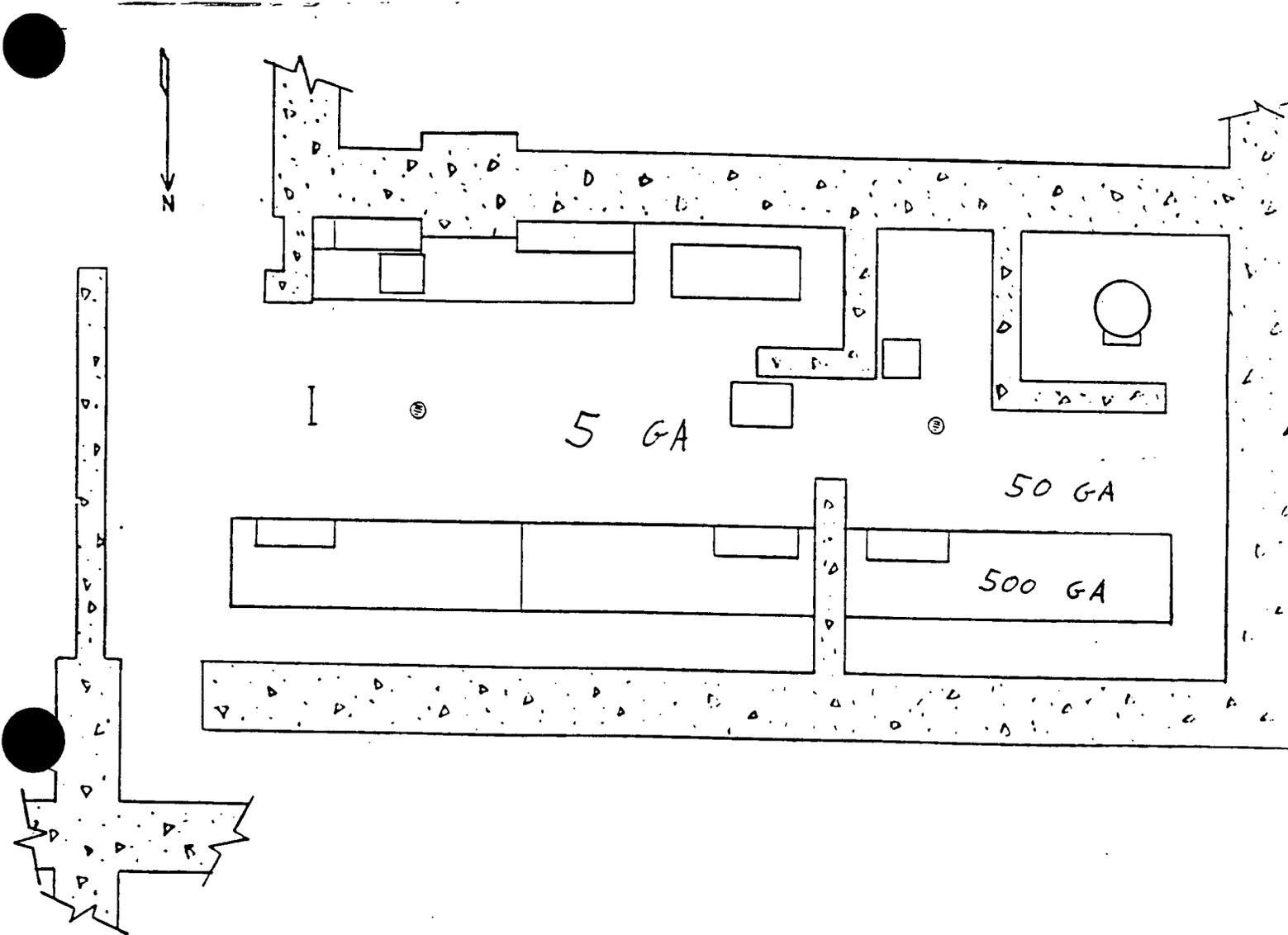
| RADIOLOGICAL POSTINGS | |
|-------------------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| <input type="checkbox"/> | Contact/18"/CA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
UNIT 1 HOT SAMPLE ROOM
ELEV. 713'



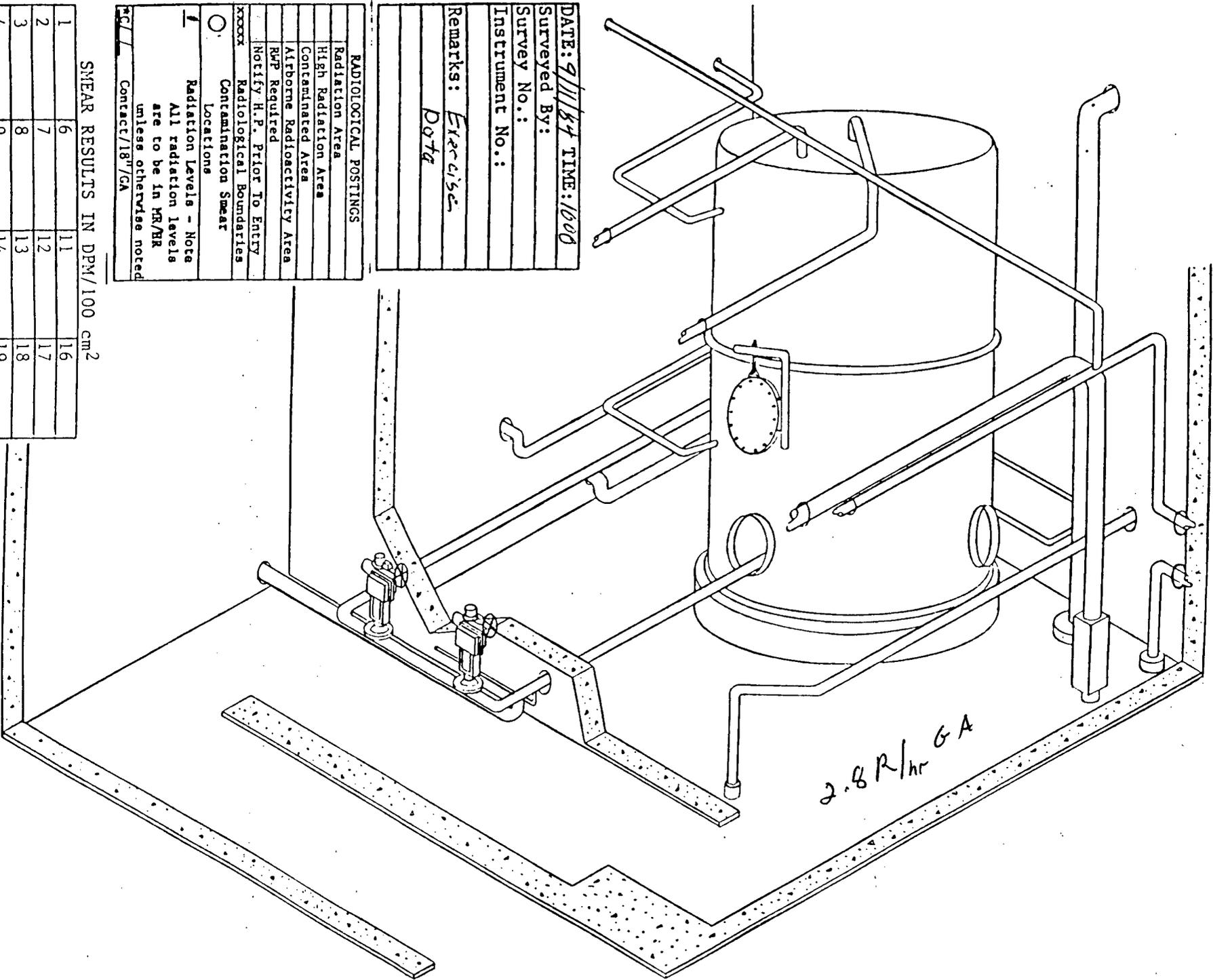
| RADIOLOGICAL POSTINGS | |
|-------------------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input checked="" type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| <input checked="" type="checkbox"/> | Contact/18"/GA |

DATE: 9/11/54 TIME: 1000
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise Data

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 UNIT 1 VOLUME CONTROL TANK ROOM
 ELEV. 713'



DATE: 9/11/84 TIME: 1600
 Surveyed By: _____
 Survey No.: _____
 Instrument No.: _____
 Remarks: Exercise
DOTG

RADIOLOGICAL POSTINGS

Radiation Area
 High Radiation Area
 Contaminated Area
 Airborne Radioactivity Area
 RFP Required
 Notify H.P. Prior To Entry
 Radiological Boundaries
 Contamination Smear
 Locations

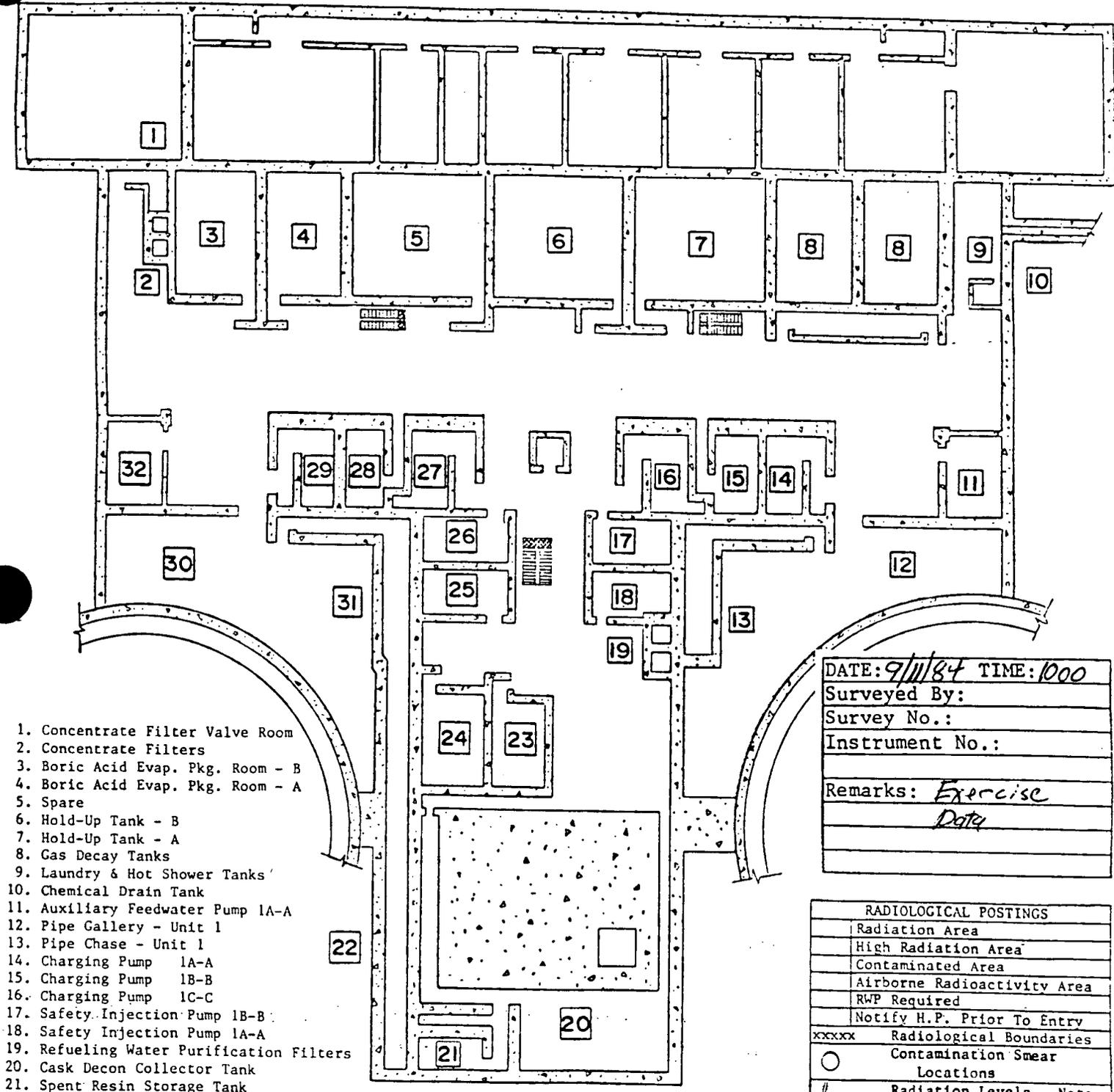
Radiation Levels - Note
 All radiation levels
 are to be in HR/HR
 unless otherwise noted

Contact/18"/GA

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
ELEV. 692' G/A



1. Concentrate Filter Valve Room
2. Concentrate Filters
3. Boric Acid Evap. Pkg. Room - B
4. Boric Acid Evap. Pkg. Room - A
5. Spare
6. Hold-Up Tank - B
7. Hold-Up Tank - A
8. Gas Decay Tanks
9. Laundry & Hot Shower Tanks
10. Chemical Drain Tank
11. Auxiliary Feedwater Pump 1A-A
12. Pipe Gallery - Unit 1
13. Pipe Chase - Unit 1
14. Charging Pump 1A-A
15. Charging Pump 1B-B
16. Charging Pump 1C-C
17. Safety Injection Pump 1B-B
18. Safety Injection Pump 1A-A
19. Refueling Water Purification Filters
20. Cask Decon Collector Tank
21. Spent Resin Storage Tank
22. Spent Resin Valve Gallery
23. Waste Evaporator Pkg. Room
24. Auxiliary Waste Evaporator Pkg. Room
25. Safety Injection Pump 2A-A
26. Safety Injection Pump 2B-B
27. Charging Pump 2C-C
28. Charging Pump 2B-B
29. Charging Pump 2A-A
30. Pipe Gallery - Unit 2
31. Pipe Chase - Unit 2
32. Auxiliary Feedwater Pump 2A-A

DATE: 9/11/84 TIME: 1000
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Date

| RADIOLOGICAL POSTINGS | |
|--------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| XXXXX | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| # | Radiation Levels - Note |
| | All radiation levels are to be in MR/HR unless otherwise noted |
| *C/ L | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

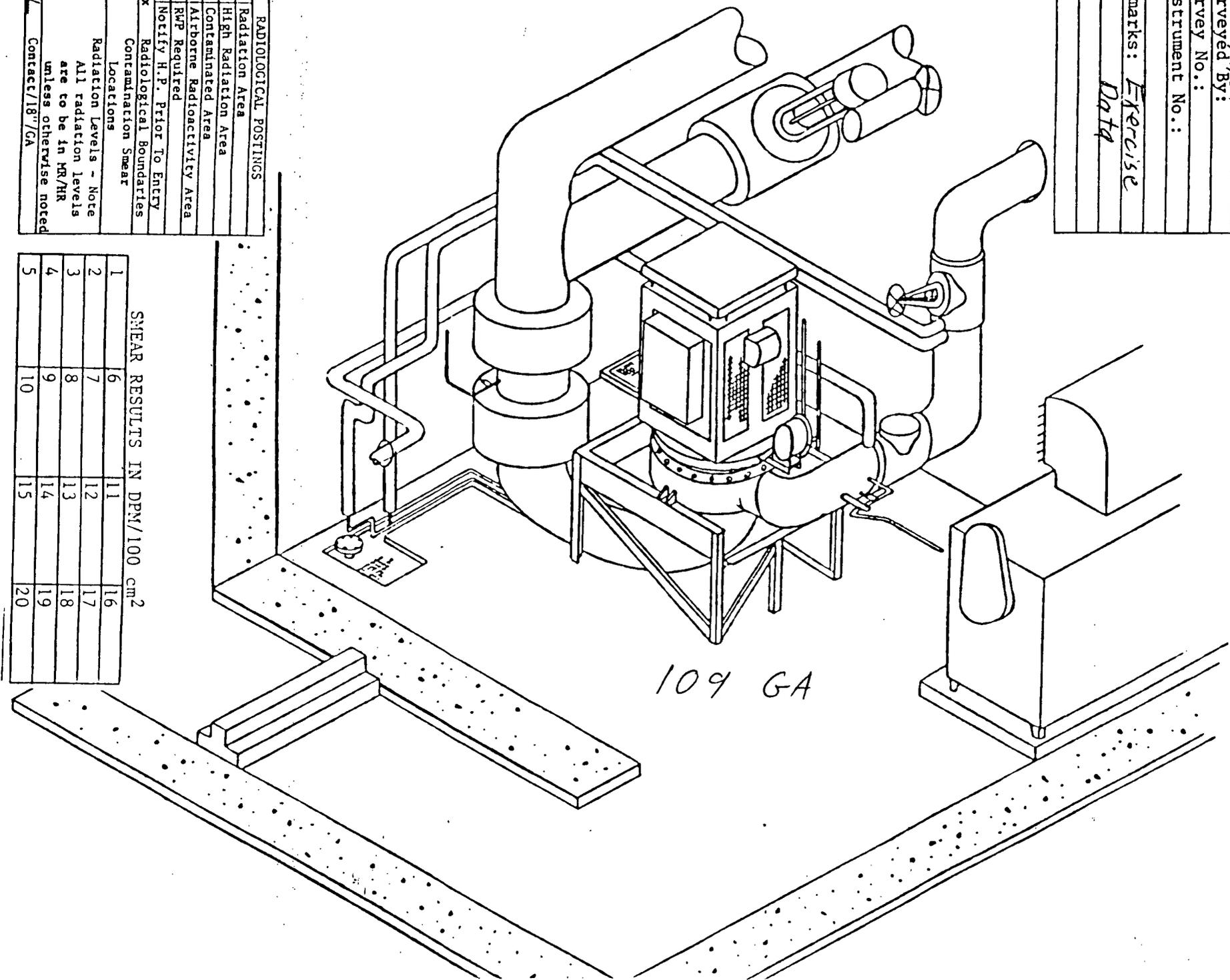
AUXILIARY BLDG.
 1A-A RHR PUMP ROOM
 ELEV. 676'

E: *9/11/84* TIME: *1100*
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: *Exercise*
Data

| | |
|-----------------------|-----------------------------|
| RADIOLOGICAL POSTINGS | |
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RUP Required |
| | Notify H.P. Prior To Entry |
| | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| | Radiation Levels - Note |
| | are to be in MR/HR |
| | unless otherwise noted |
| | Contact/18/GA |

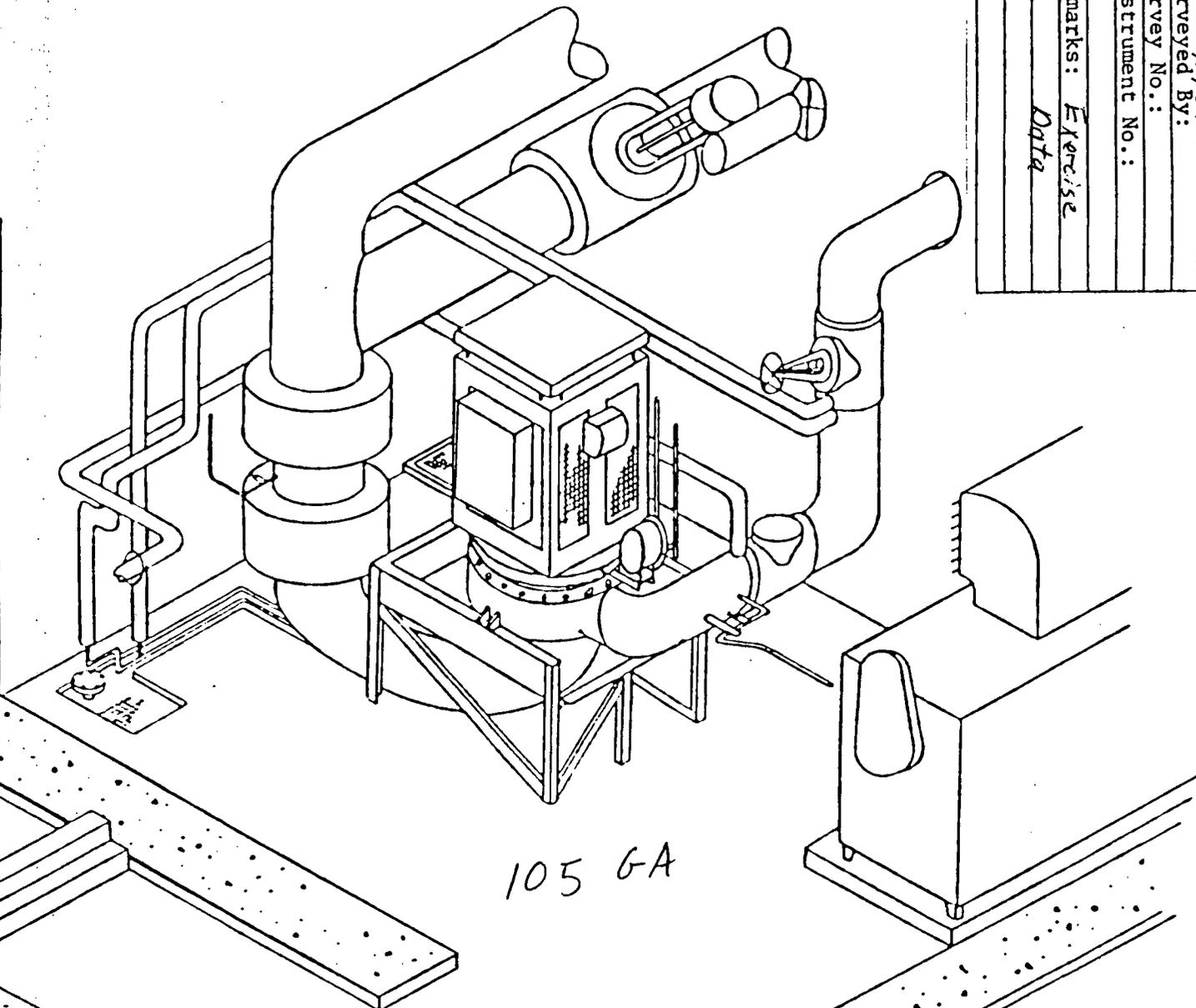
SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
 1B-B RHR PUMP ROOM
 ELEV. 676'

FE: 9/11/84 TIME: 1100
 Surveyed By:
 Survey No.::
 Instrument No.::
 Remarks: Exercise
 Data



105 GA

RADIOLOGICAL POSTINGS

| |
|-----------------------------|
| Radiation Area |
| High Radiation Area |
| Contaminated Area |
| Airborne Radioactivity Area |
| RMP Required |
| Notify H.P. Prior To Entry |
| x Radiological Boundaries |
| Contamination Swear |
| Locations |
| # Radiation Levels - Note |
| All radiation levels |
| are to be in MD/BR |
| unless otherwise noted |
| *C/ / Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

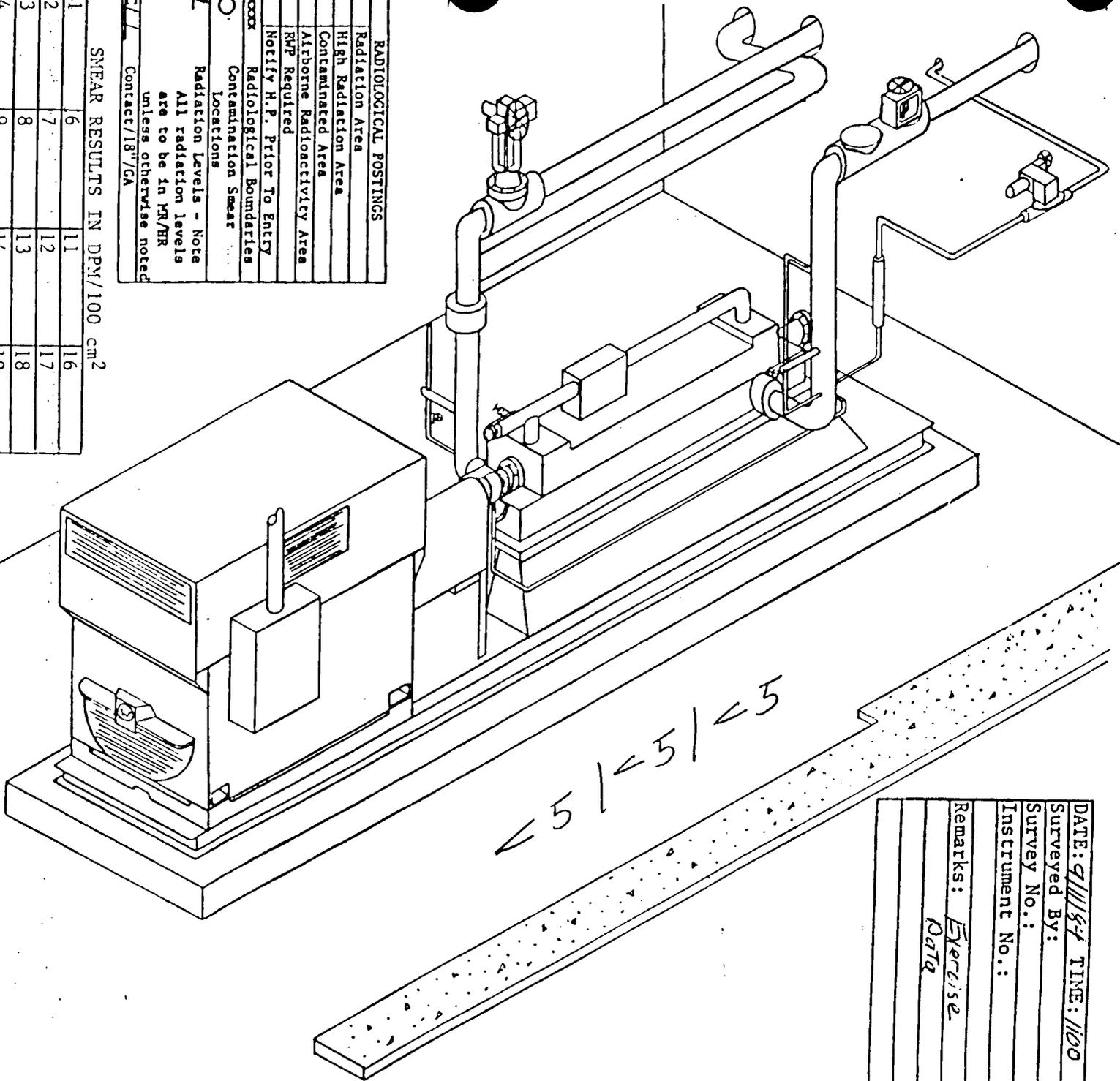
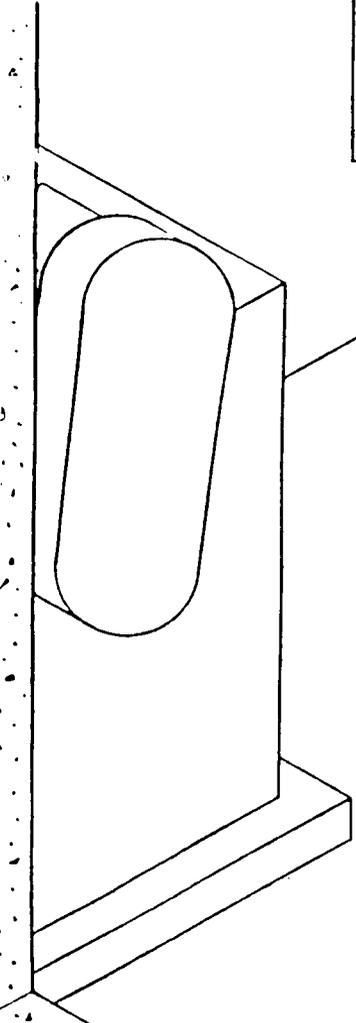
AUXILIARY BLDG.
 IA-A SAFETY INJECTION PUMP ROOM
 ELEV. 692'

DATE: 9/11/84 TIME: 1100
 Surveyed By: _____
 Survey No.: _____
 Instrument No.: _____
 Remarks: Exercise
 Data

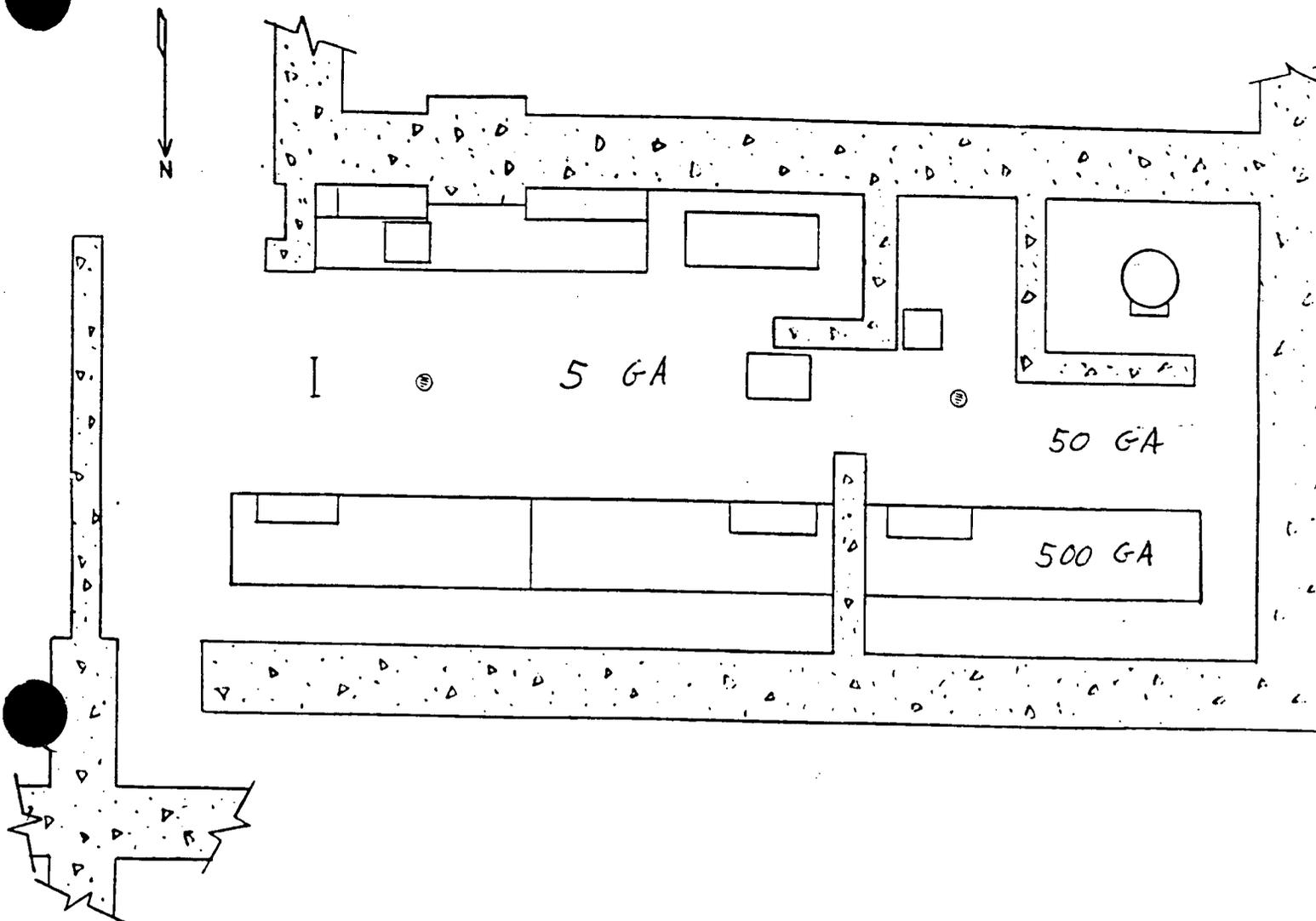
<5 | <5 | <5

| RADIOLOGICAL POSTINGS | |
|-----------------------|--|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RFP Required |
| | Notify H.P. Prior To Entry |
| X | Radiological Boundaries |
| O | Contamination Smear Locations |
| I | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| *C/L | Contact/18" GA |

| SNEAR RESULTS IN DPM/100 cm ² | | | |
|--|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
UNIT 1 HOT SAMPLE ROOM
ELEV. 713'



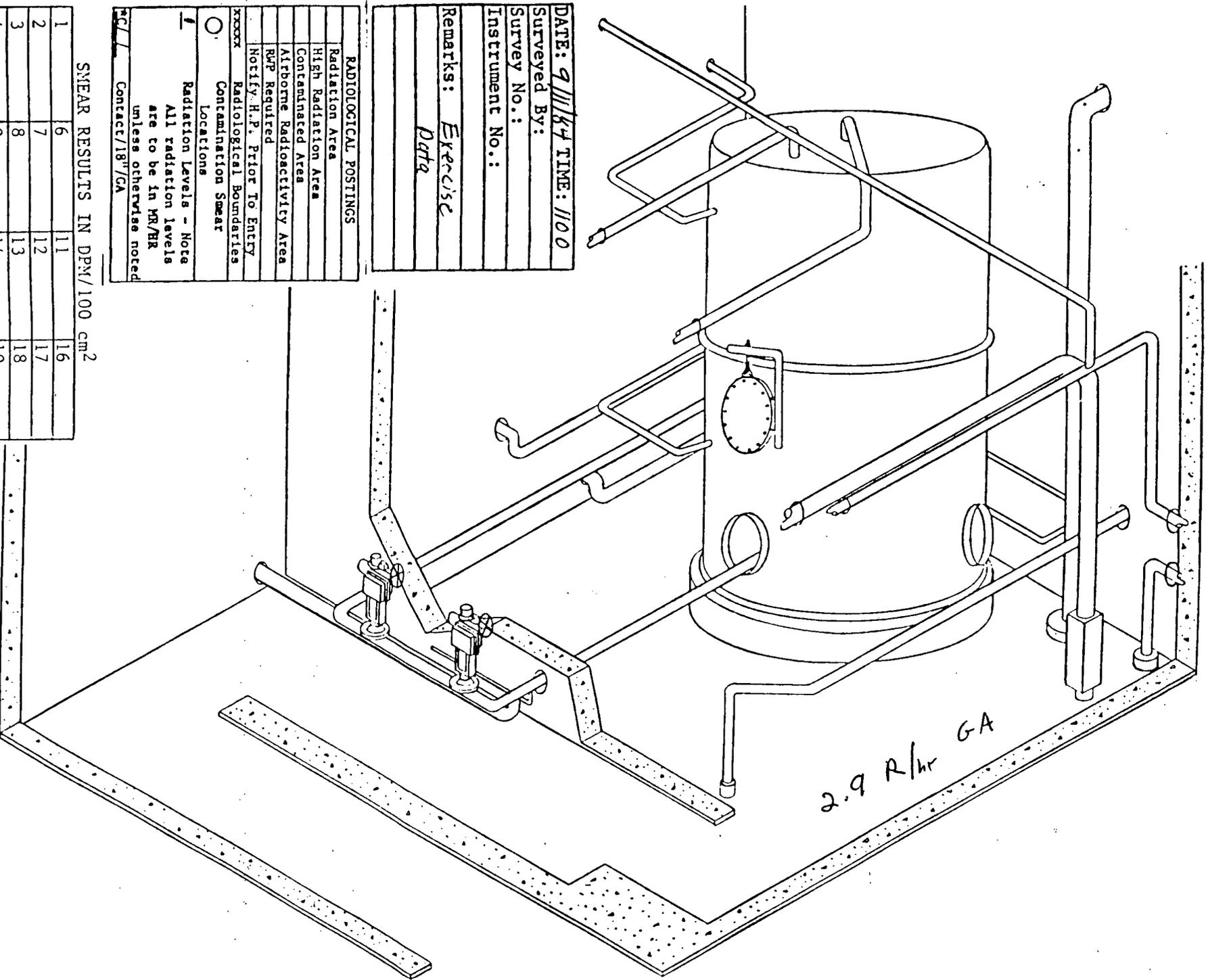
| RADIOLOGICAL POSTINGS | |
|-----------------------|--|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RWP Required |
| | Notify H.P. Prior To Entry |
| x | Radiological Boundaries |
| | Contamination Smear Locations |
| ! | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| *C/L | Contact/18"/GA |

DATE: 9/11/64 TIME: 1100
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise Data

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 UNIT 1 VOLUME CONTROL TANK ROOM
 ELEV. 713'



DATE: 9/11/84 TIME: 1100
 Surveyed By:
 Survey No.:
 Instrument No.:

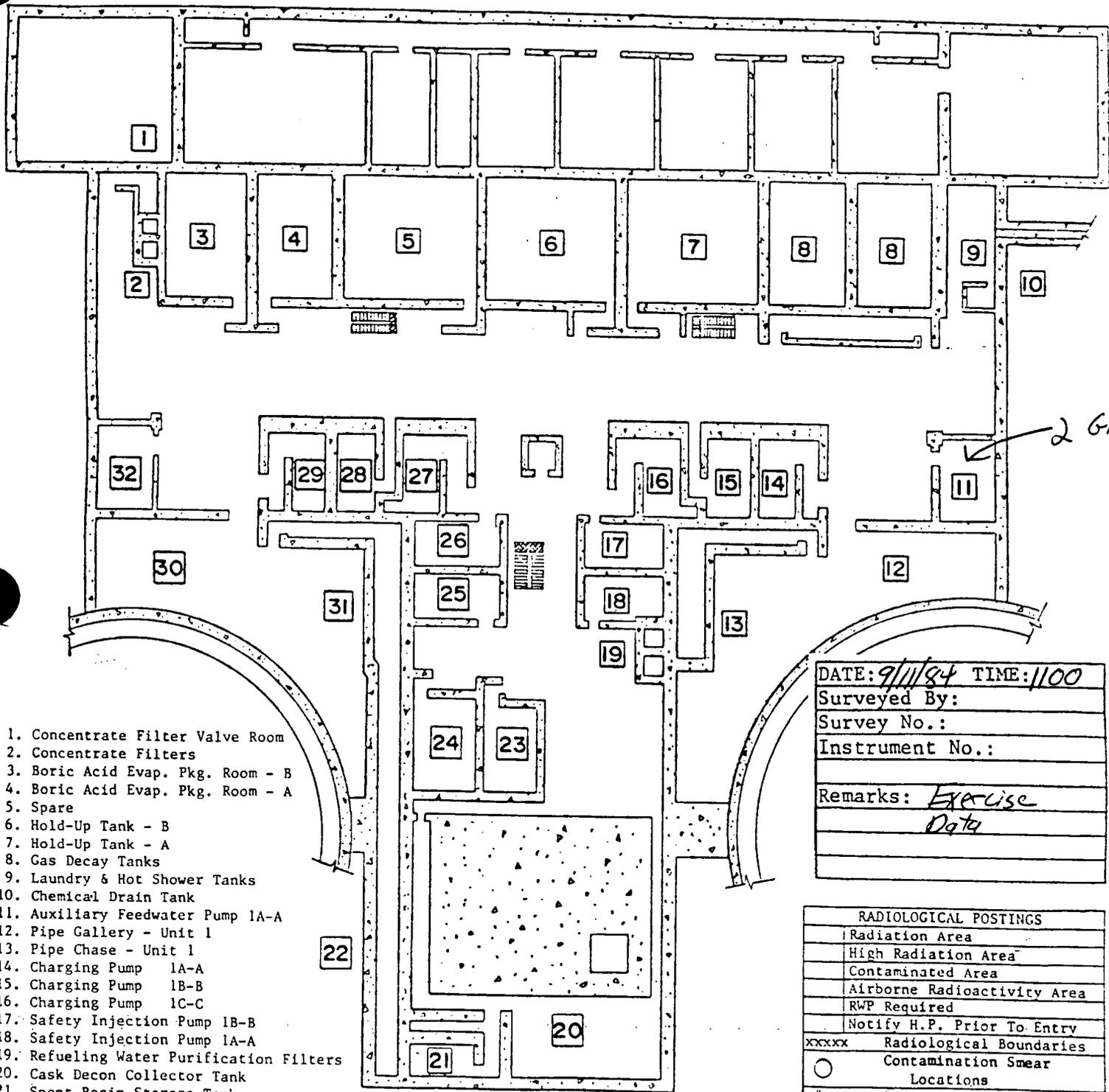
Remarks: Exercise
 Data

| RADIOLOGICAL POSTINGS | |
|-------------------------------------|---|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Aliborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear |
| <input type="checkbox"/> | Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in HR/BR unless otherwise noted |
| <input type="checkbox"/> | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
ELEV. 692' G/A



1. Concentrate Filter Valve Room
2. Concentrate Filters
3. Boric Acid Evap. Pkg. Room - B
4. Boric Acid Evap. Pkg. Room - A
5. Spare
6. Hold-Up Tank - B
7. Hold-Up Tank - A
8. Gas Decay Tanks
9. Laundry & Hot Shower Tanks
10. Chemical Drain Tank
11. Auxiliary Feedwater Pump 1A-A
12. Pipe Gallery - Unit 1
13. Pipe Chase - Unit 1
14. Charging Pump 1A-A
15. Charging Pump 1B-B
16. Charging Pump 1C-C
17. Safety Injection Pump 1B-B
18. Safety Injection Pump 1A-A
19. Refueling Water Purification Filters
20. Cask Decon Collector Tank
21. Spent Resin Storage Tank
22. Spent Resin Valve Gallery
23. Waste Evaporator Pkg. Room
24. Auxiliary Waste Evaporator Pkg. Room
25. Safety Injection Pump 2A-A
26. Safety Injection Pump 2B-B
27. Charging Pump 2C-C
28. Charging Pump 2B-B
29. Charging Pump 2A-A
30. Pipe Gallery - Unit 2
31. Pipe Chase - Unit 2
32. Auxiliary Feedwater Pump 2A-A

DATE: 9/11/84 TIME: 1100

Surveyed By: _____

Survey No.: _____

Instrument No.: _____

Remarks: Exercise Data

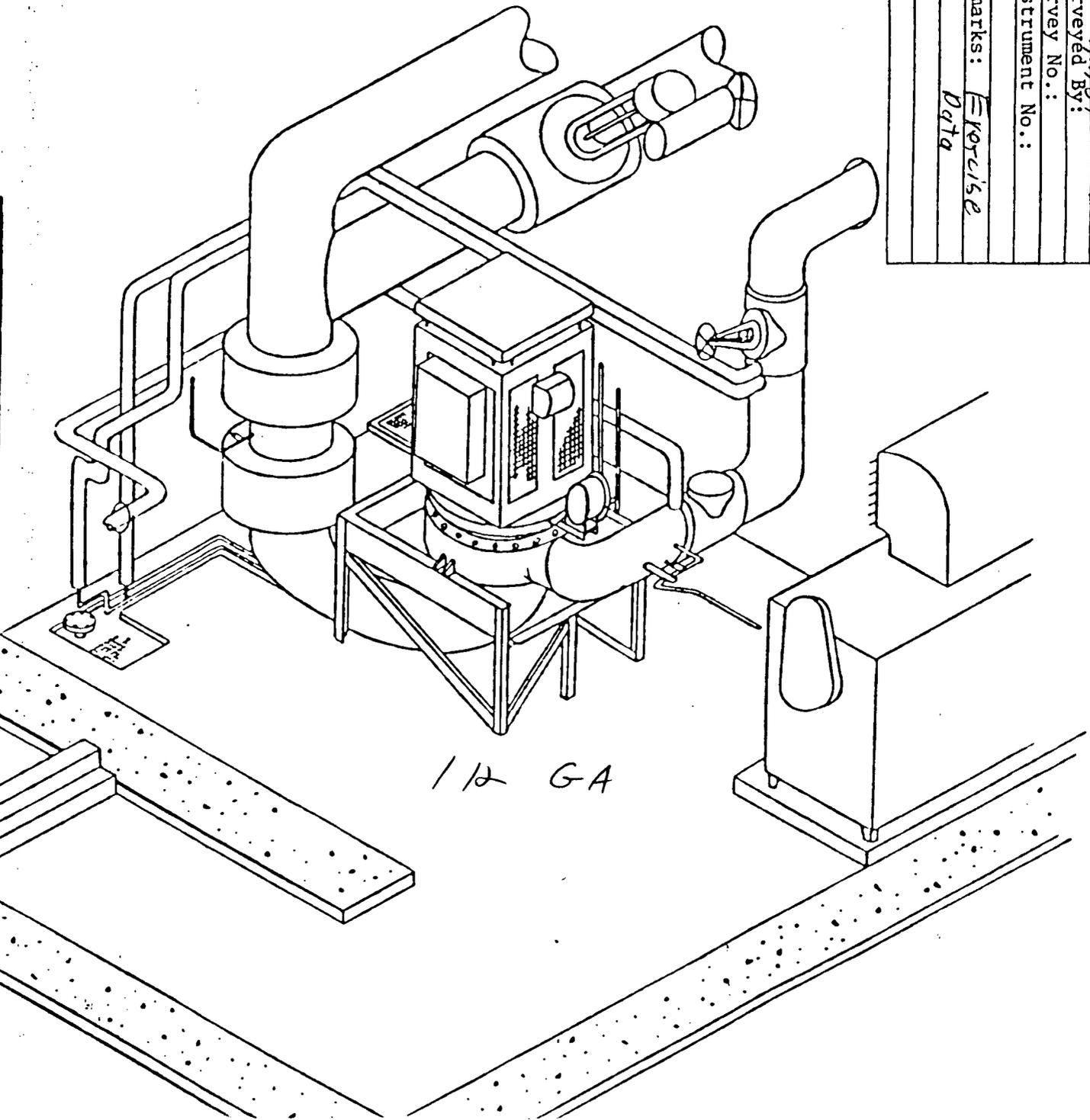
| RADIOLOGICAL POSTINGS | |
|--------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| xxxxx | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| # | Radiation Levels - Note |
| | All radiation levels are to be in MR/HR unless otherwise noted |
| *C/L | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 1A-A RHR PUMP ROOM
 ELEV. 676'

E: 9/11/84 TIME: 1200
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



1/2 GA

RADIOLOGICAL POSTINGS

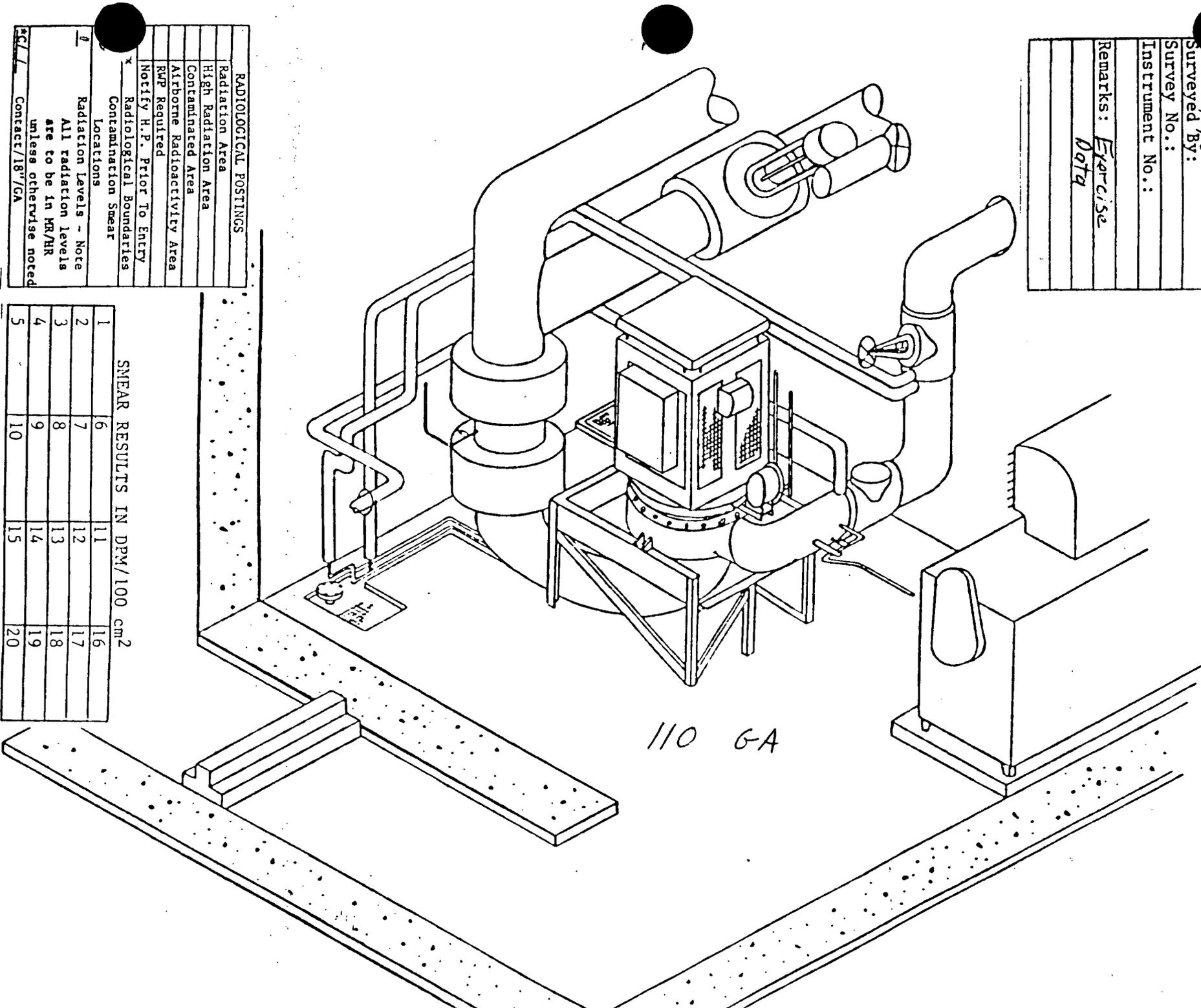
| | |
|--|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RMP Required |
| | Notify H.P. Prior To Entry |
| | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| | Radiation Levels - Note |
| | All radiation levels |
| | are to be in MR/HR |
| | unless otherwise noted |
| | Contact/187/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 IB-B RHR PUMP ROOM
 ELEV. 676'

E: 9/11/84 TIME: 1200
 Surveyed By: _____
 Survey No.: _____
 Instrument No.: _____
 Remarks: *Exercise Data*



| RADIOLOGICAL POSTINGS | |
|-----------------------|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RWP Required |
| | Notify H.P. Prior To Entry |
| | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| | Radiation Levels - Note |
| | All radiation levels |
| | are to be in MR/HR |
| | unless otherwise noted |
| | Contact/18"/GA |

| SMEAR RESULTS IN DPM/100 cm ² | | | | |
|--|----|----|----|----|
| 1 | 6 | 11 | 16 | 16 |
| 2 | 7 | 12 | 17 | 17 |
| 3 | 8 | 13 | 18 | 18 |
| 4 | 9 | 14 | 19 | 19 |
| 5 | 10 | 15 | 20 | 20 |

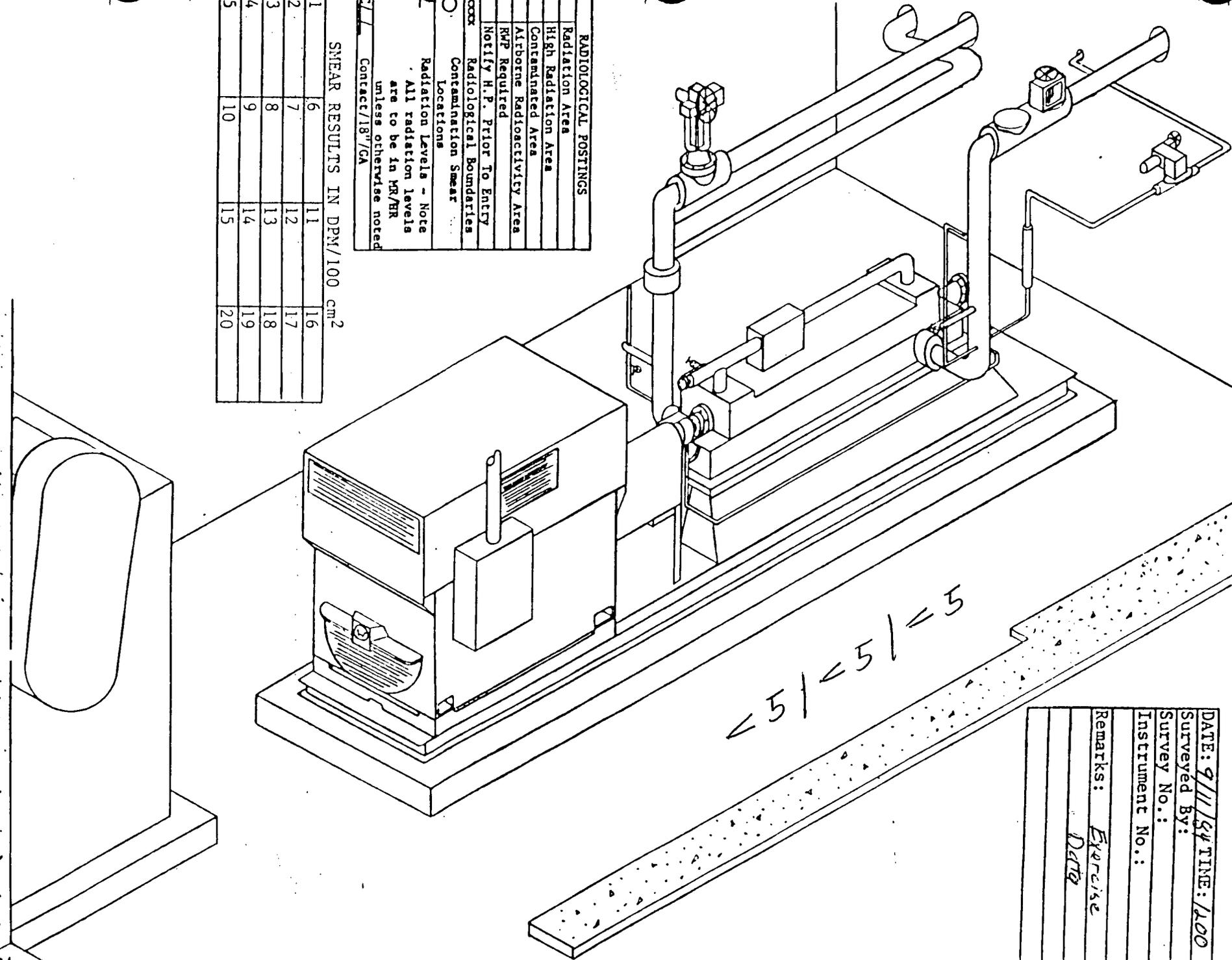
AUXILIARY BLDG.
IA-A SAFETY INJECTION PUMP ROOM
ELEV. 692'

DATE: 9/11/84 TIME: 1200
 Surveyed By:
 Instrument No.:
 Remarks: Exercise
 Data

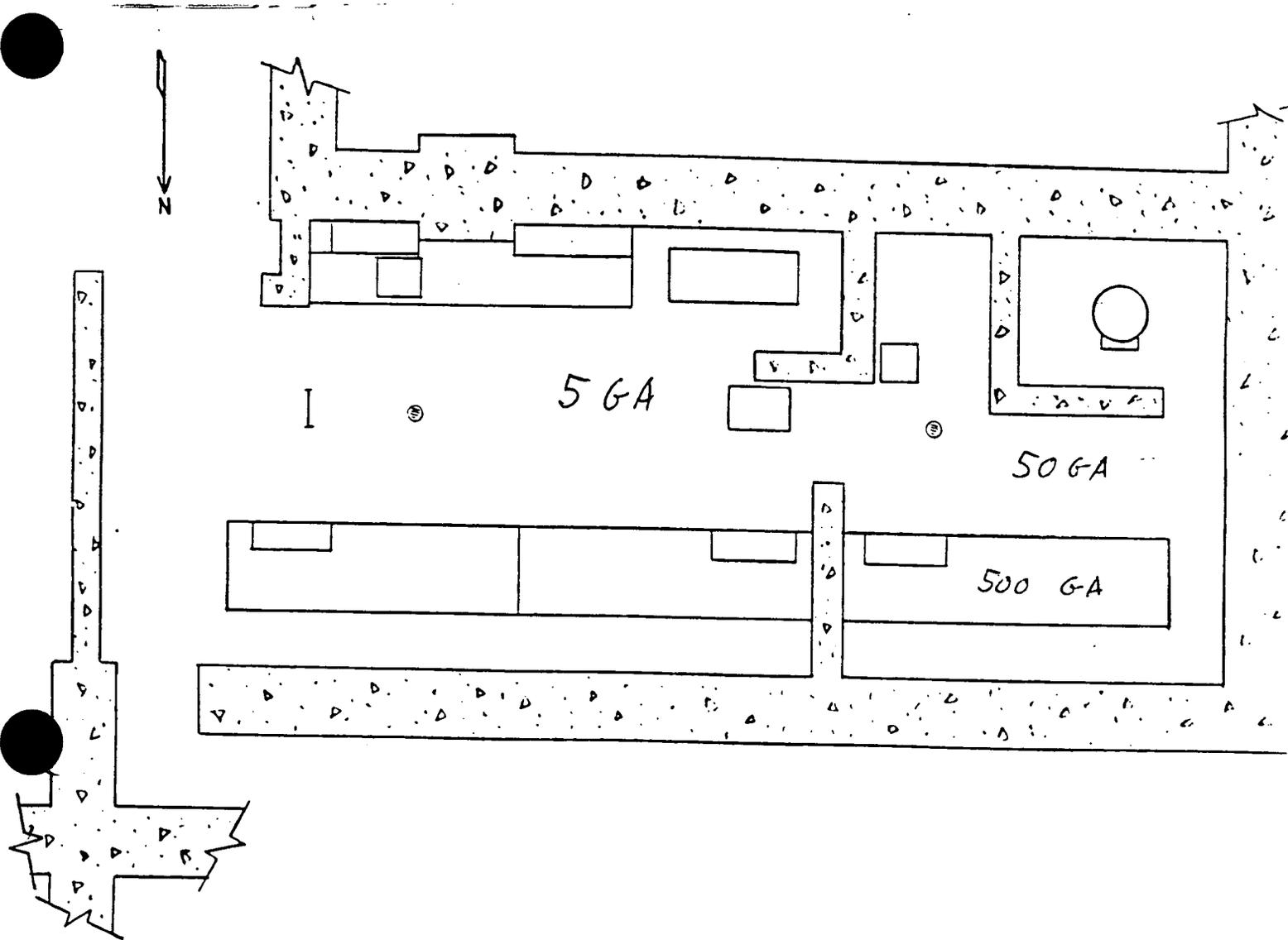
< 5 | < 5 | = 5

| RADIOLOGICAL POSTINGS | |
|-----------------------|-------------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RWP Required |
| | Notify H.P. Prior To Entry |
| XXXX | Radiological Boundaries |
| | Contamination Smear Locations |
| | Radiation Levels - Note |
| | are to be in HR/RR |
| | unless otherwise noted |
| | Contact/18"/GA |

| SMEAR RESULTS IN DPM/100 cm ² | | | |
|--|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
UNIT I HOT SAMPLE ROOM
ELEV. 713'



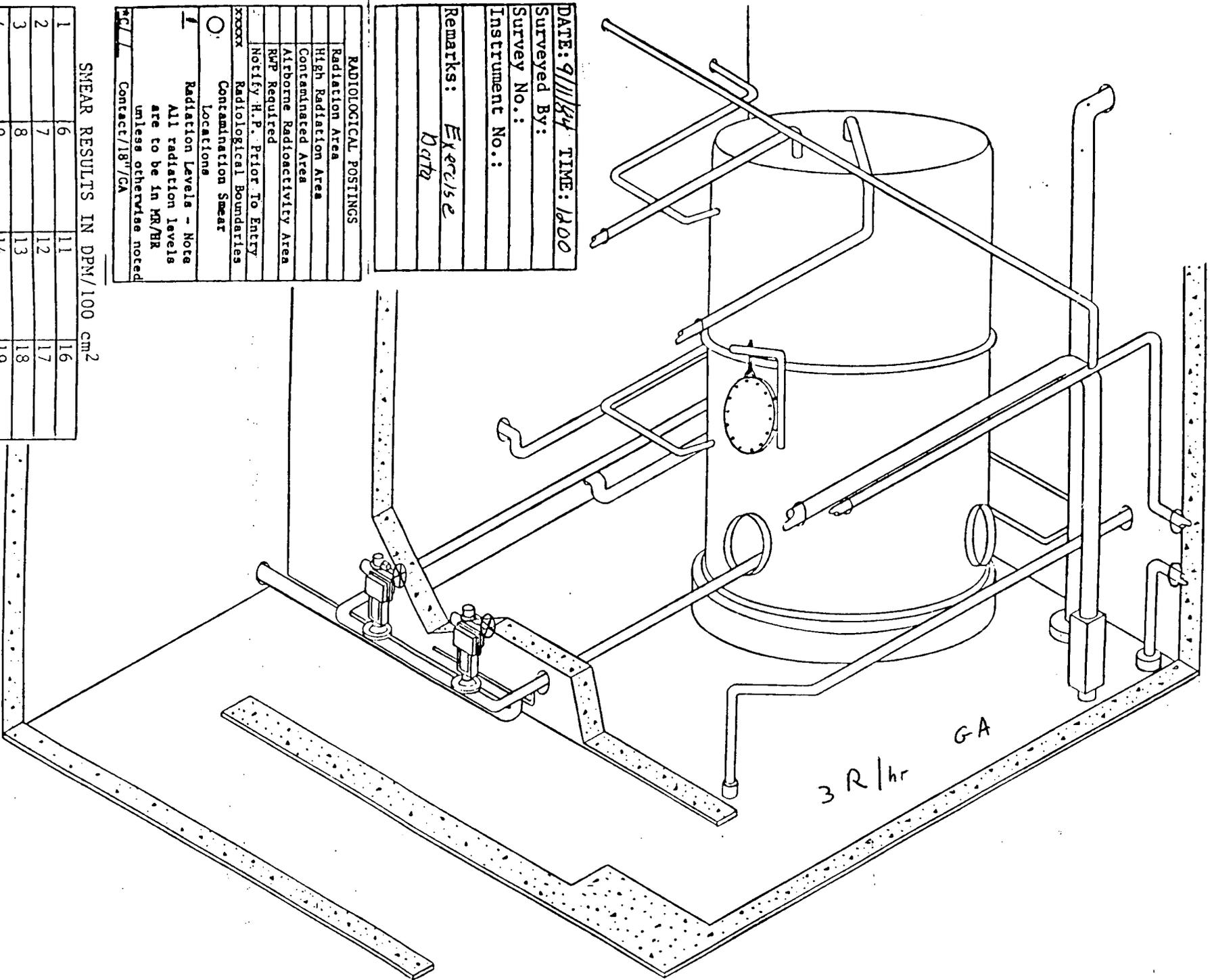
| RADIOLOGICAL POSTINGS | |
|-----------------------|--|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RWP Required |
| | Notify H.P. Prior To Entry |
| x | Radiological Boundaries |
| | Contamination Smear Locations |
| I | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| *C/ | Contact/18"/GA |

DATE: 9/11/84 TIME: 1400
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise Data

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG
UNIT 1 VOLUME CONTROL TANK ROOM
ELEV. 713'



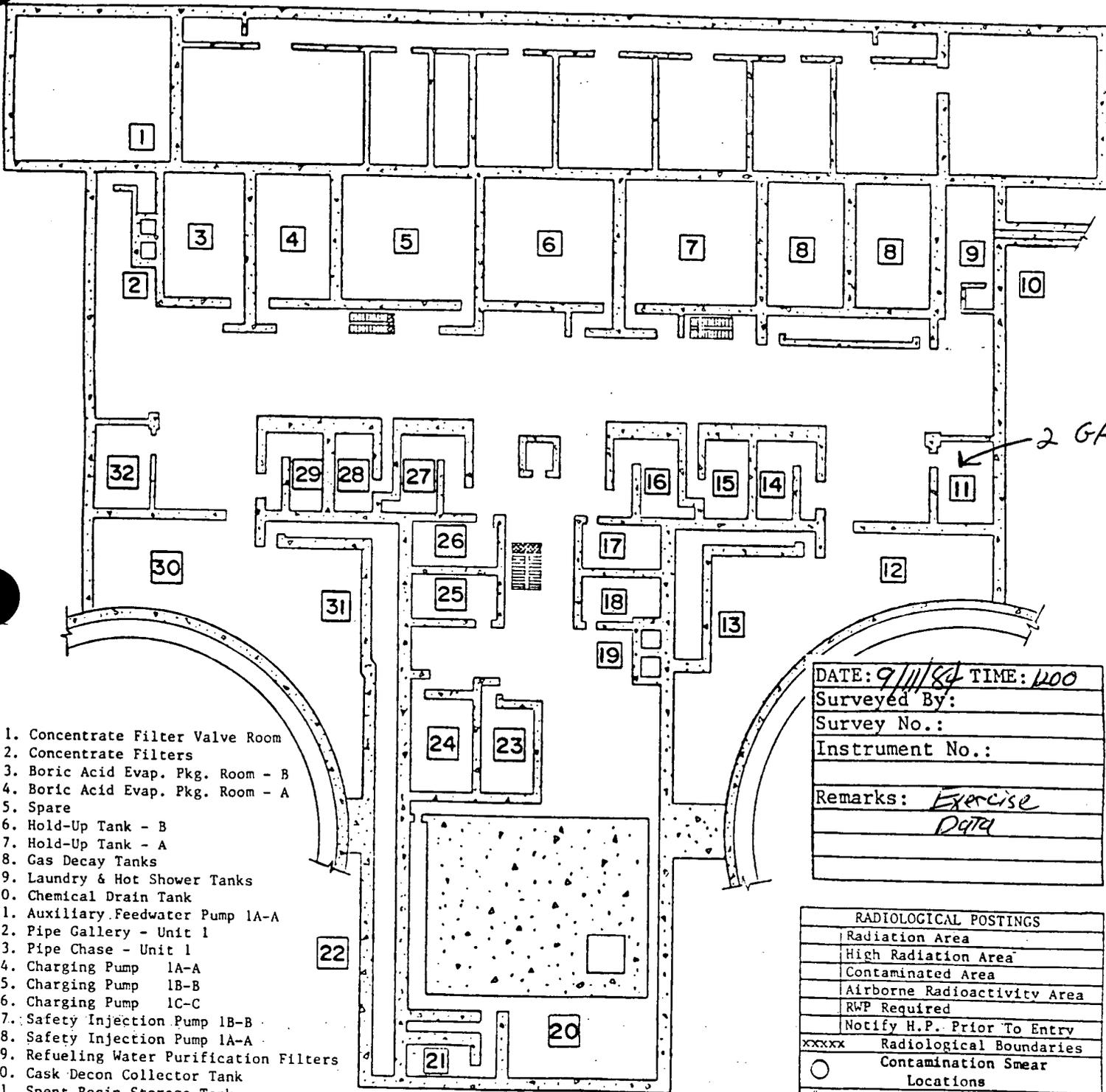
DATE: 9/11/84 TIME: 1000
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data

| RADIOLOGICAL POSTINGS | |
|---|----------------------------|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Alberne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input checked="" type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear |
| <input type="checkbox"/> | Locations |
| Radiation Levels - Note All radiation levels are to be in MR/BR unless otherwise noted | |
| <input checked="" type="checkbox"/> | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
ELEV. 692' G/A



1. Concentrate Filter Valve Room
2. Concentrate Filters
3. Boric Acid Evap. Pkg. Room - B
4. Boric Acid Evap. Pkg. Room - A
5. Spare
6. Hold-Up Tank - B
7. Hold-Up Tank - A
8. Gas Decay Tanks
9. Laundry & Hot Shower Tanks
10. Chemical Drain Tank
11. Auxiliary Feedwater Pump 1A-A
12. Pipe Gallery - Unit 1
13. Pipe Chase - Unit 1
14. Charging Pump 1A-A
15. Charging Pump 1B-B
16. Charging Pump 1C-C
17. Safety Injection Pump 1B-B
18. Safety Injection Pump 1A-A
19. Refueling Water Purification Filters
20. Cask Decon Collector Tank
21. Spent Resin Storage Tank
22. Spent Resin Valve Gallery
23. Waste Evaporator Pkg. Room
24. Auxiliary Waste Evaporator Pkg. Room
25. Safety Injection Pump 2A-A
26. Safety Injection Pump 2B-B
27. Charging Pump 2C-C
28. Charging Pump 2B-B
29. Charging Pump 2A-A
30. Pipe Gallery - Unit 2
31. Pipe Chase - Unit 2
32. Auxiliary Feedwater Pump 2A-A

DATE: 9/11/84 TIME: 1200
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data

| RADIOLOGICAL POSTINGS | |
|--------------------------|---|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| XXXXX | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| # | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| *C/ / | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

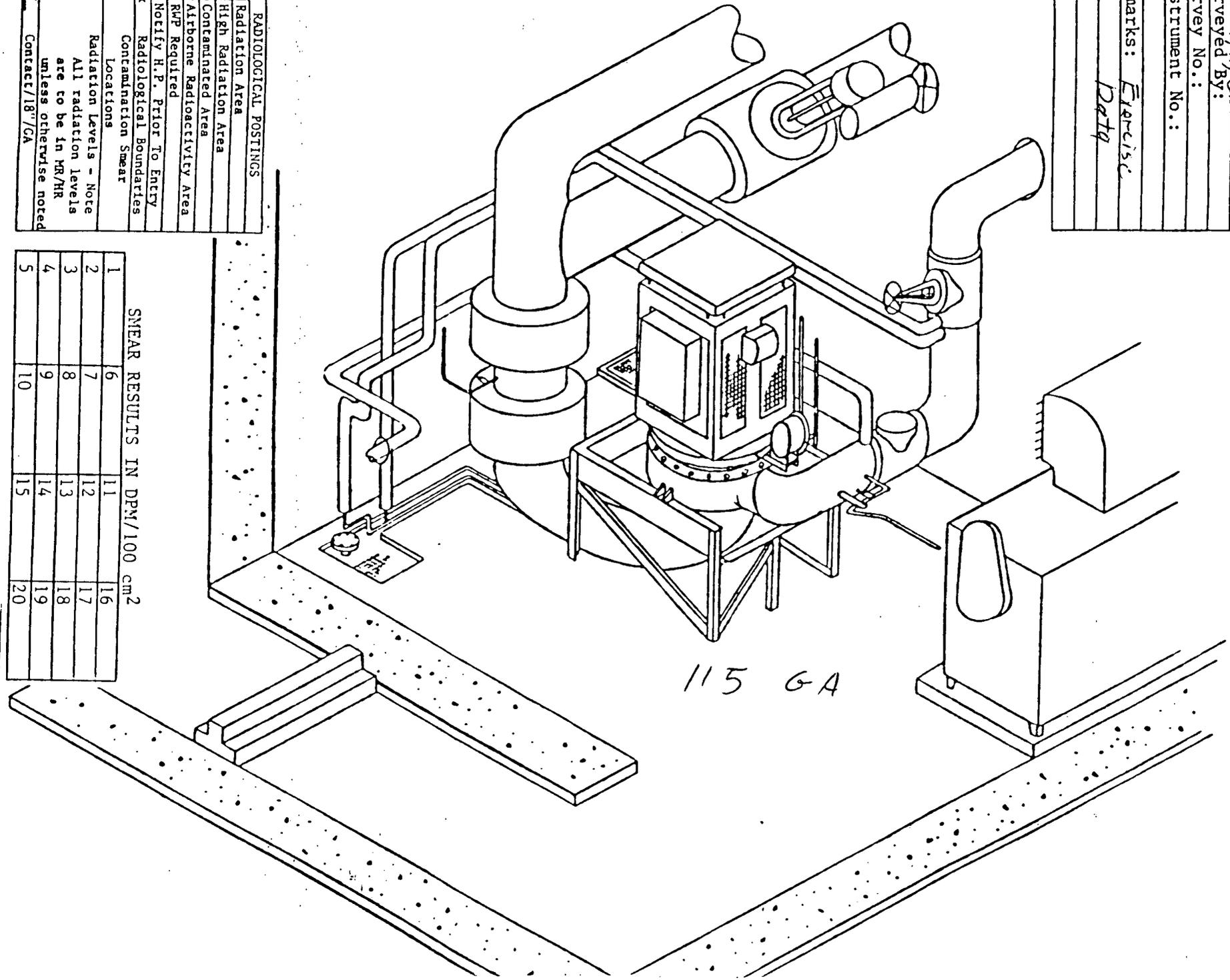
AUXILIARY BLDG.
 IA-A RHR PUMP ROOM
 ELEV. 676'

TE: 9/11/84 TIME: 1300
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: *Eratic*
Data

| RADIOLOGICAL POSTINGS | |
|-----------------------|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RMP Required |
| | Notify H.P. Prior To Entry |
| xxxx | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| | Radiation Levels - Note |
| | All radiation levels |
| | are to be in MR/HR |
| | unless otherwise noted |
| *C/1 | Contract/18/GA |

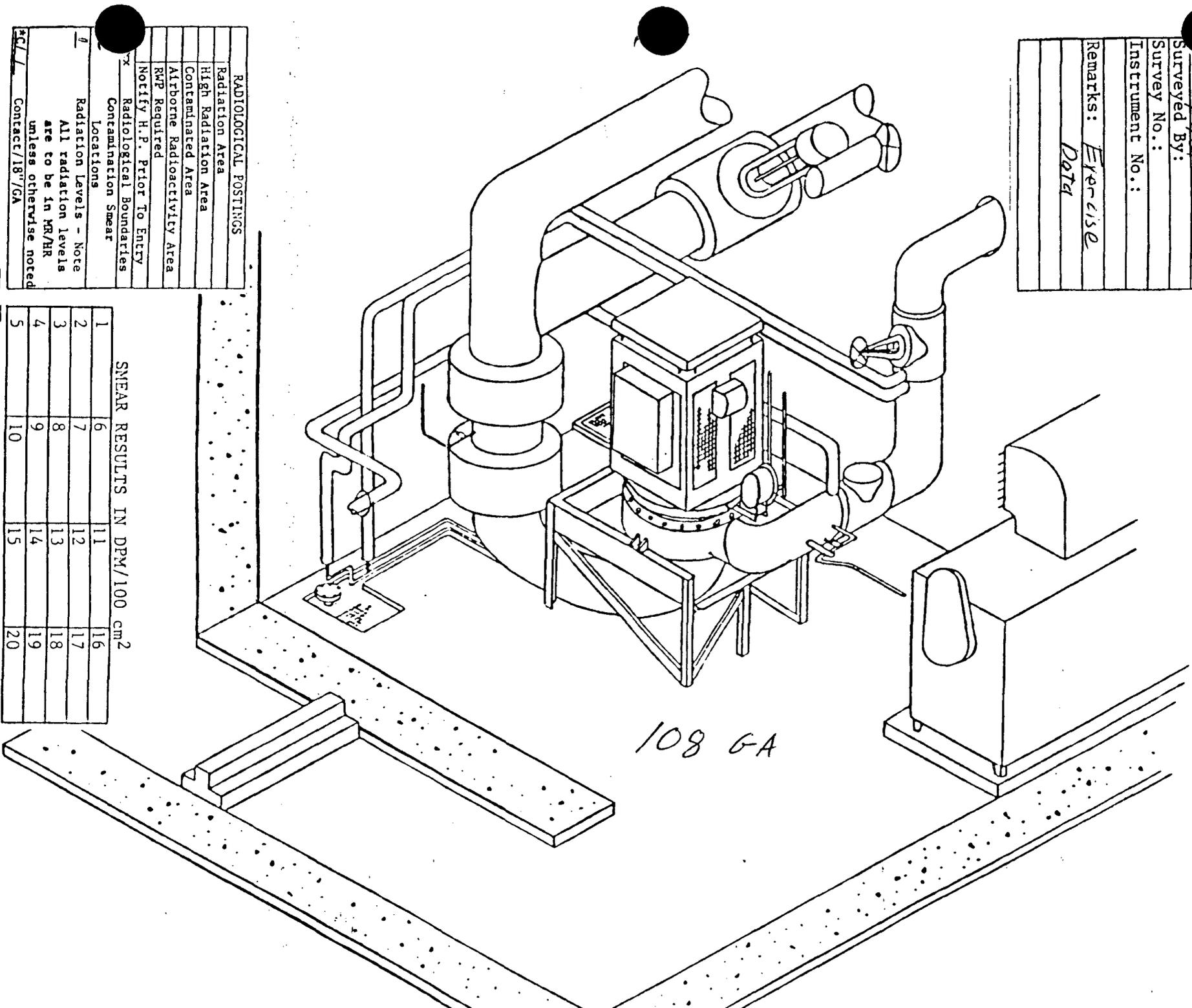
SNEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
 IB-B RHR PUMP ROOM
 ELEV. 676'

DATE: 9/11/84 TIME: 1300
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



108 GA

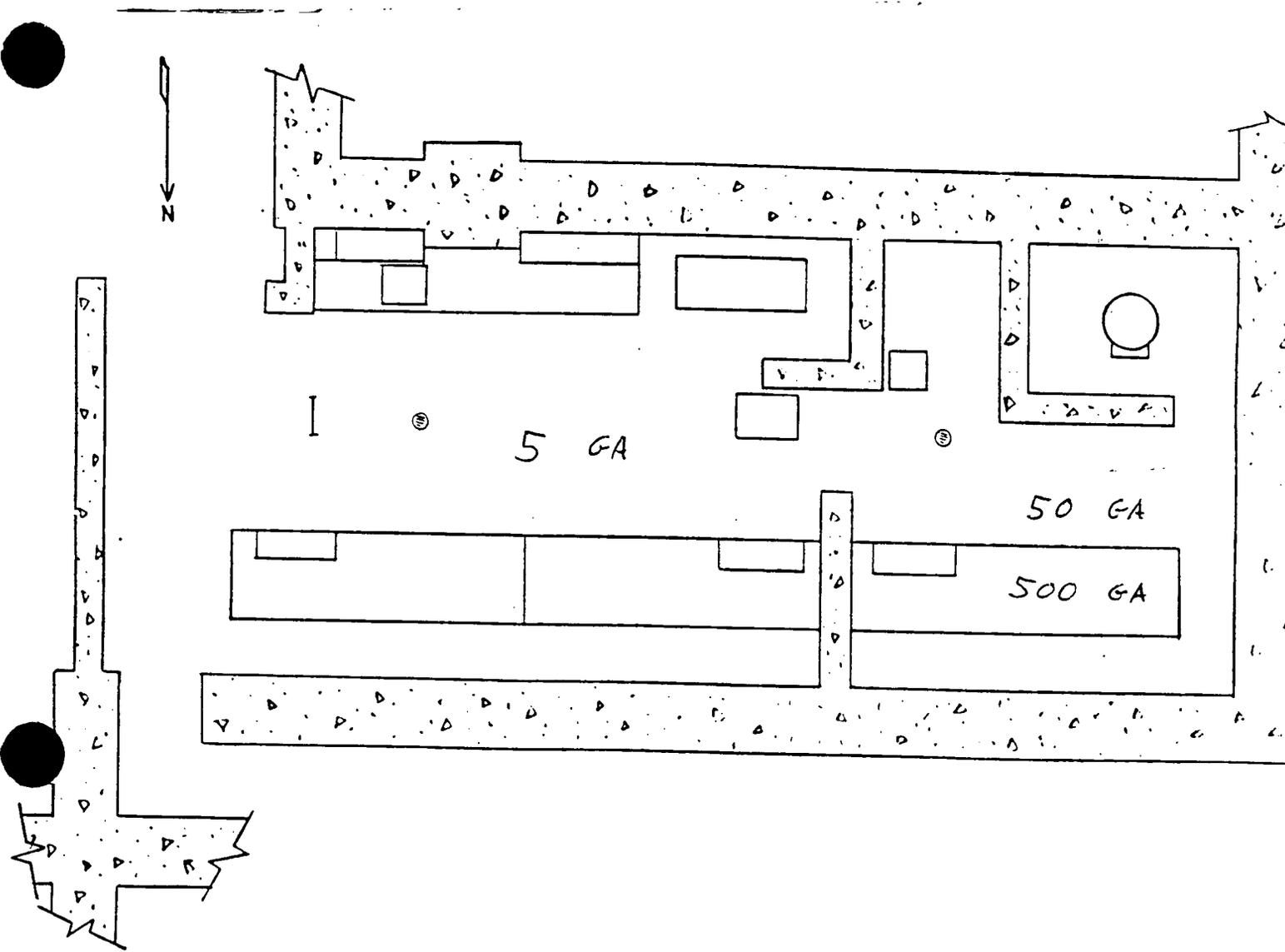
RADIOLOGICAL POSTINGS

| | |
|--|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RMP Required |
| | Notify H.P. Prior To Entry |
| | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| | Radiation Levels - Note |
| | All radiation levels |
| | are to be in MR/HR |
| | unless otherwise noted |
| | Contract/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
UNIT 1 HOT SAMPLE ROOM
ELEV. 713'



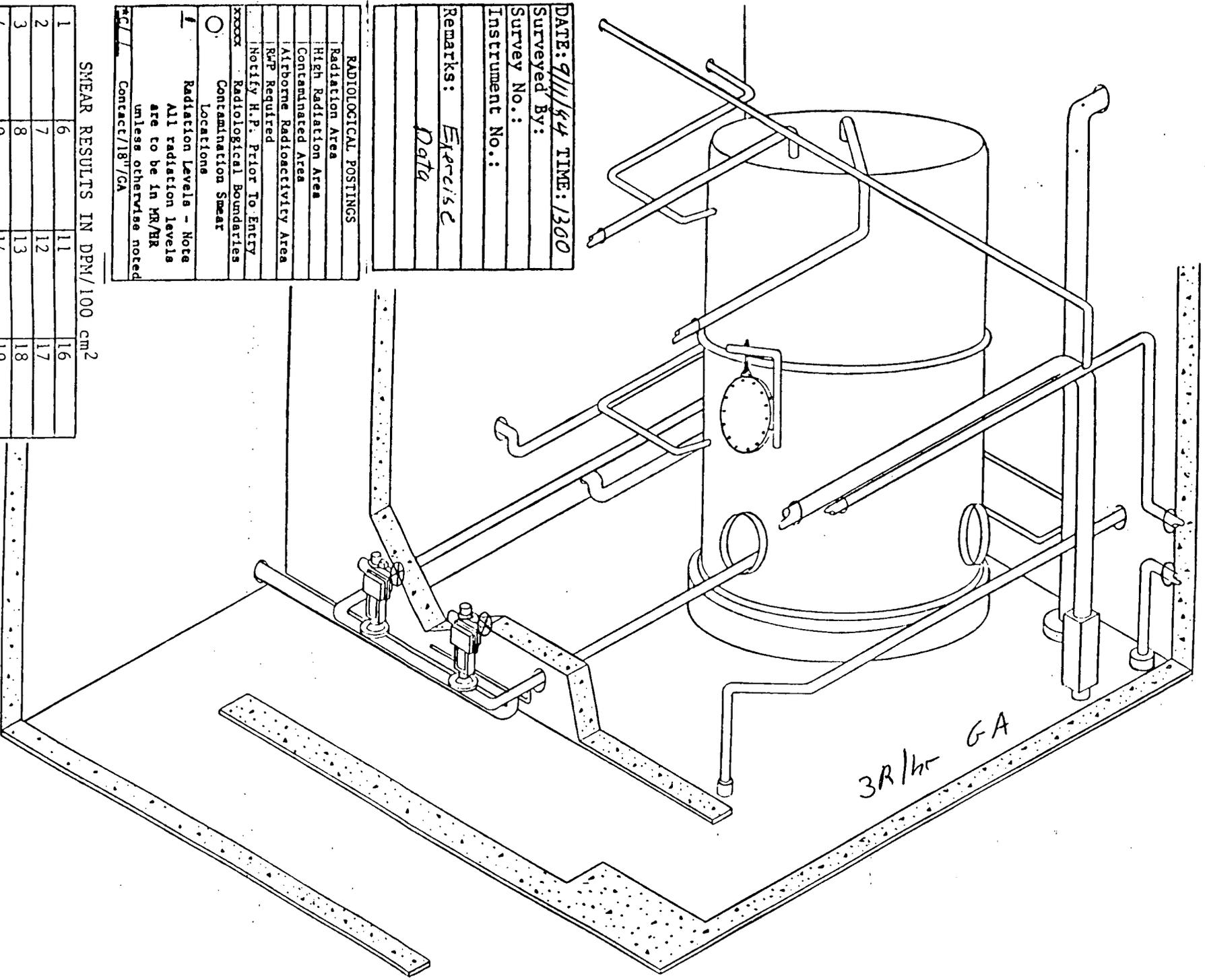
| RADIOLOGICAL POSTINGS | |
|-------------------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input checked="" type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| <input checked="" type="checkbox"/> | Contact/18"/GA |

DATE: 9/11/84 TIME: 1300
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise Data

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 UNIT 1 VOLUME CONTROL TANK ROOM
 ELEV. 713'



DATE: 9/11/84 TIME: 1300
 Surveyed By: _____
 Survey No.: _____
 Instrument No.: _____

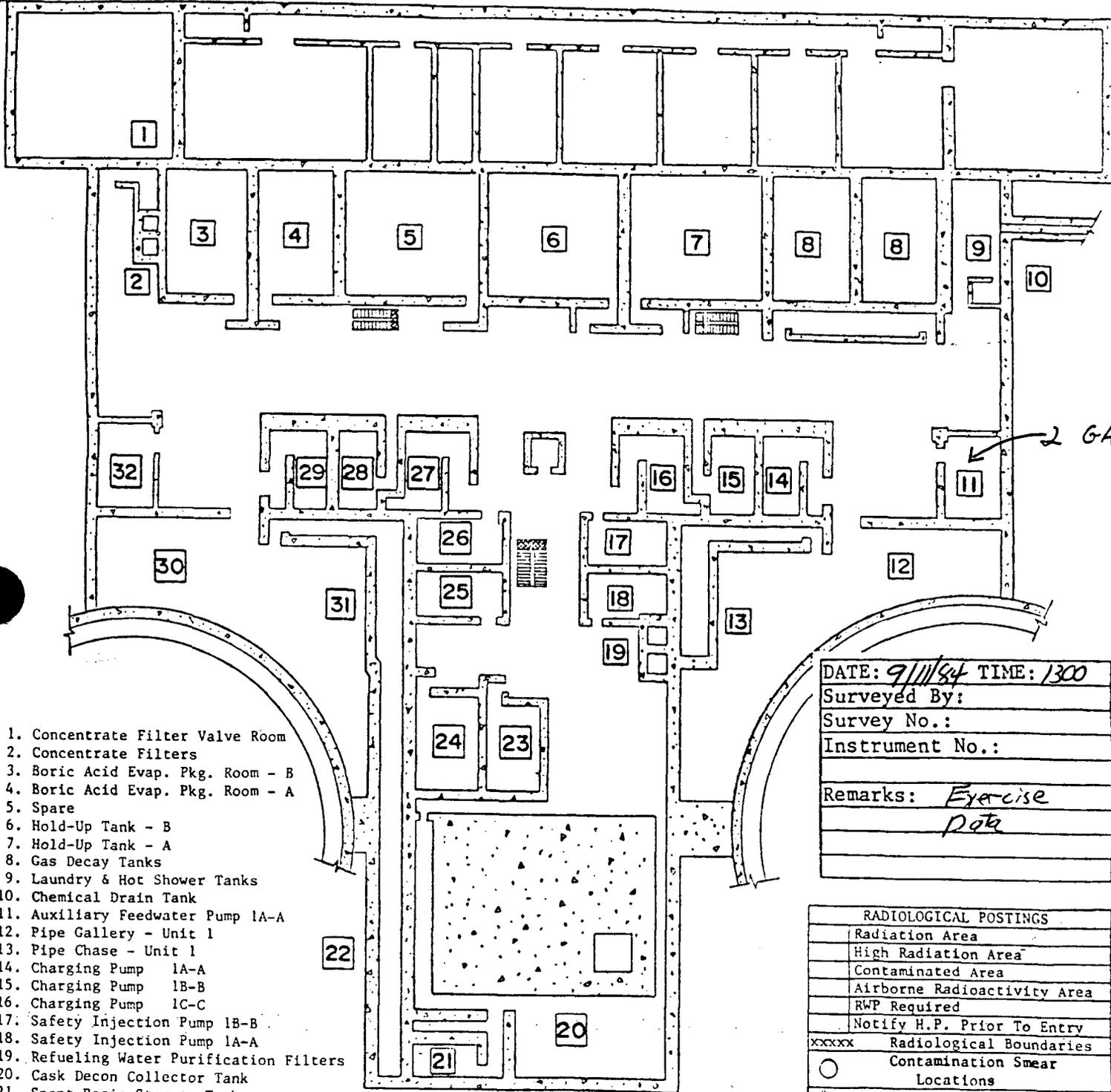
Remarks: *Exercis c*
Data

- RADIOLOGICAL POSTINGS**
- Radiation Area
 - High Radiation Area
 - Contaminated Area
 - Airborne Radioactivity Area
 - RSP Required
 - Notify H.P. Prior To Entry
 - ~~xxxxx~~ Radiological Boundaries
 - ~~o~~ Contamination Smear
 - ~~l~~ Locations
- Radiation Levels - Note
 All radiation levels
 are to be in $\mu\text{R}/\text{HR}$
 unless otherwise noted
- ~~TC/~~ Contact/18"/GA

SMEAR RESULTS IN DPM/100 cm^2

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
ELEV. 692' G/A



1. Concentrate Filter Valve Room
2. Concentrate Filters
3. Boric Acid Evap. Pkg. Room - B
4. Boric Acid Evap. Pkg. Room - A
5. Spare
6. Hold-Up Tank - B
7. Hold-Up Tank - A
8. Gas Decay Tanks
9. Laundry & Hot Shower Tanks
10. Chemical Drain Tank
11. Auxiliary Feedwater Pump 1A-A
12. Pipe Gallery - Unit 1
13. Pipe Chase - Unit 1
14. Charging Pump 1A-A
15. Charging Pump 1B-B
16. Charging Pump 1C-C
17. Safety Injection Pump 1B-B
18. Safety Injection Pump 1A-A
19. Refueling Water Purification Filters
20. Cask Decon Collector Tank
21. Spent Resin Storage Tank
22. Spent Resin Valve Gallery
23. Waste Evaporator Pkg. Room
24. Auxiliary Waste Evaporator Pkg. Room
25. Safety Injection Pump 2A-A
26. Safety Injection Pump 2B-B
27. Charging Pump 2C-C
28. Charging Pump 2B-B
29. Charging Pump 2A-A
30. Pipe Gallery - Unit 2
31. Pipe Chase - Unit 2
32. Auxiliary Feedwater Pump 2A-A

DATE: 9/11/84 TIME: 1300

Surveyed By: _____

Survey No.: _____

Instrument No.: _____

Remarks: Exercise
Data

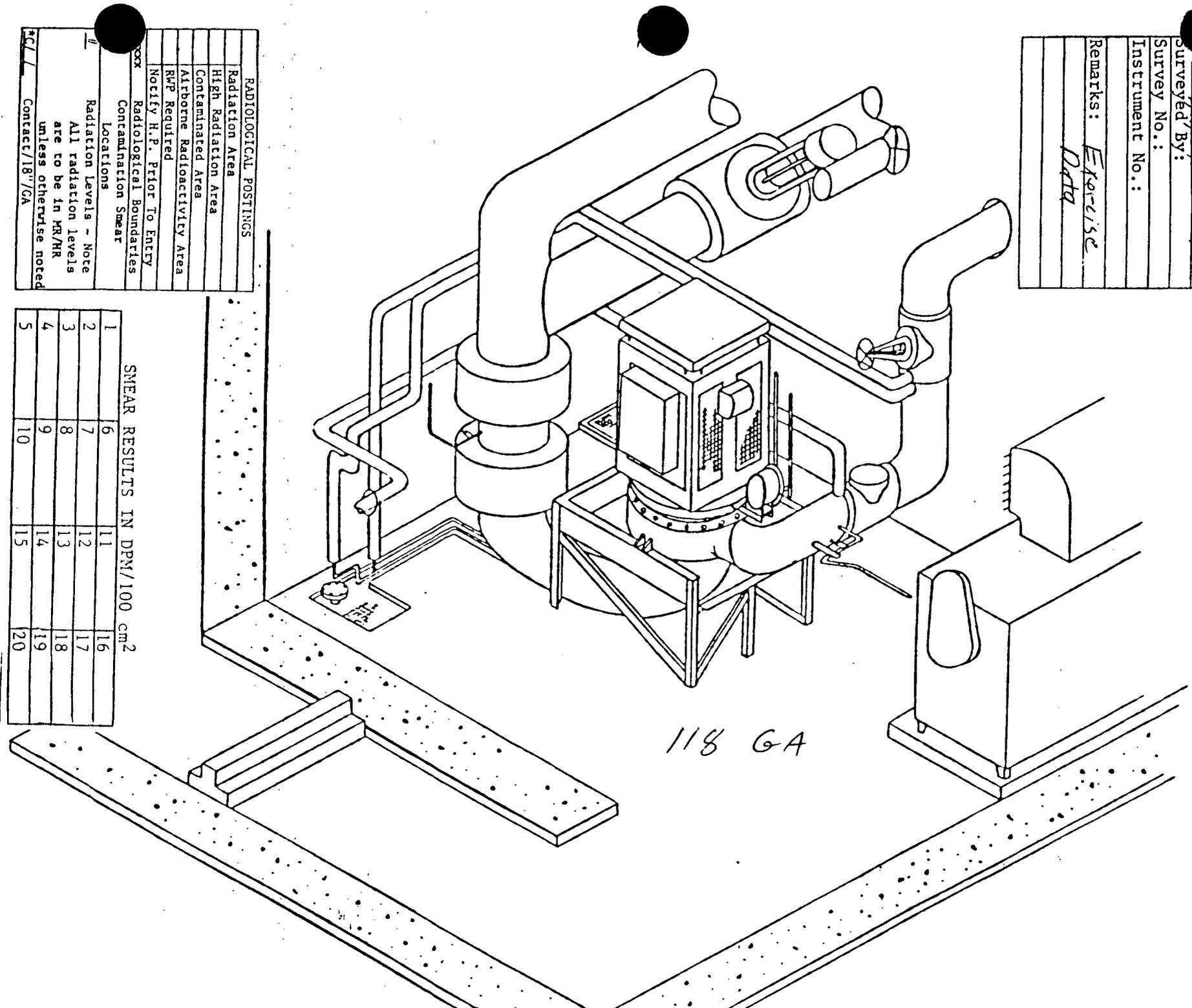
| RADIOLOGICAL POSTINGS | |
|--------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| XXXXX | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| # | Radiation Levels - Note |
| | All radiation levels are to be in MR/HR unless otherwise noted |
| *C/ L | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 1A-A RHR PUMP ROOM
 ELEV. 676'

E: 9/11/84 TIME: 1400
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



RADIOLOGICAL POSTINGS

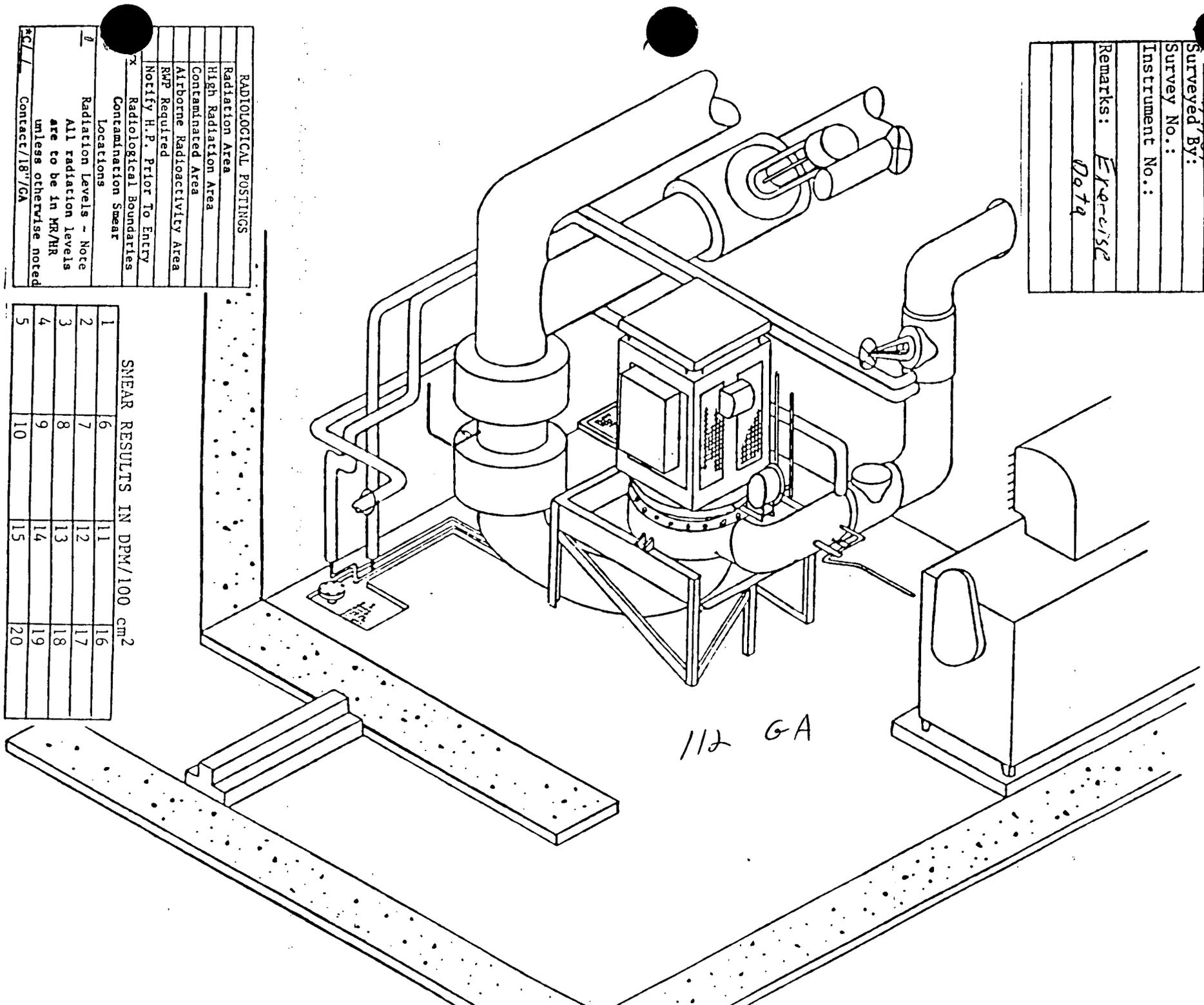
| |
|------------------------------|
| Radiation Area |
| High Radiation Area |
| Contaminated Area |
| Airborne Radioactivity Area |
| RWP Required |
| Notify H.P. Prior To Entry |
| xxxx Radiological Boundaries |
| Contamination Swear |
| Locations |
| Radiation Levels - Note |
| All radiation levels |
| are to be in MR/HR |
| unless otherwise noted |
| *C/ / Contact/18"/GA |

SNEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 1B-B RHR PUMP ROOM
 ELEV. 676'

DATE: 9/11/84 TIME: 1400
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



RADIOLOGICAL POSTINGS

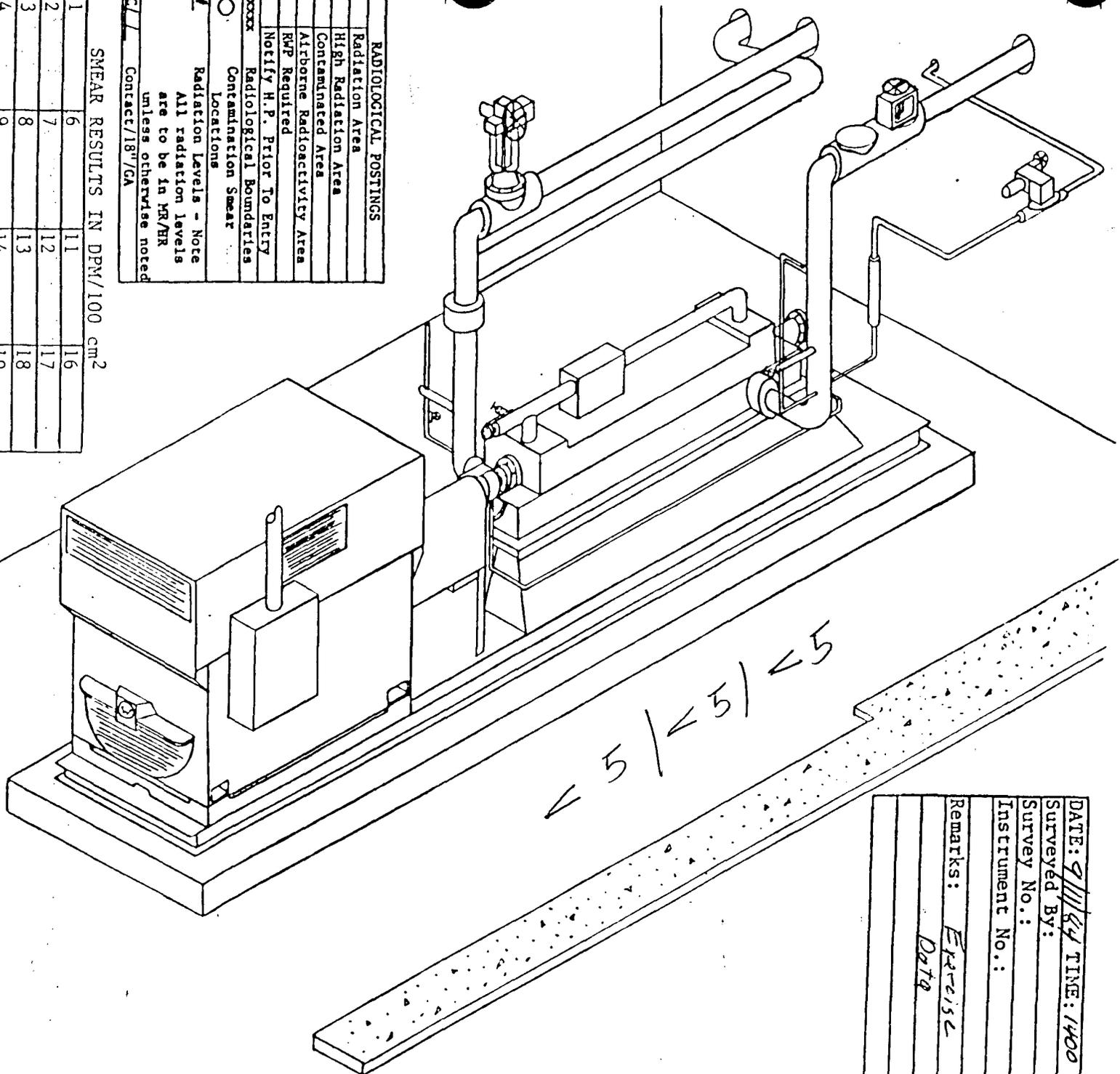
- Radiation Area
- High Radiation Area
- Contaminated Area
- Airborne Radioactivity Area
- RMP Required
- Notify H.P. Prior To Entry
- Radiological Boundaries
 Contamination Swear
 Locations
- Radiation Levels - Note
 All radiation levels
 are to be in MR/HR
 unless otherwise noted
- Contact/18"/GA

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 IA-A SAFETY INJECTION PUMP ROOM
 ELEV. 692'

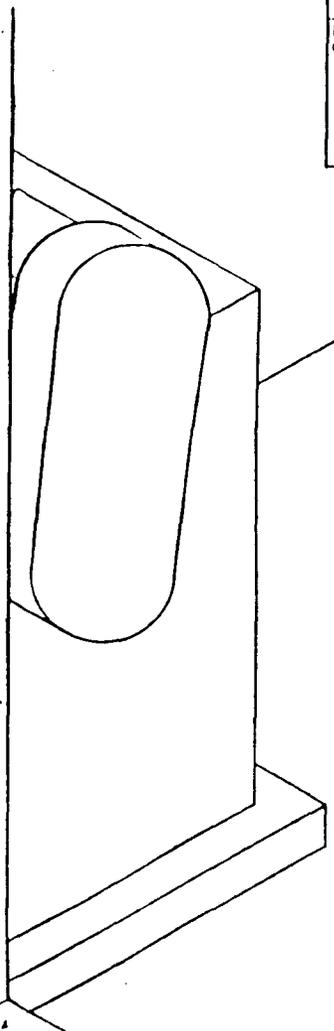
DATE: 9/11/84 TIME: 1400
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: *ERRORS*
Data



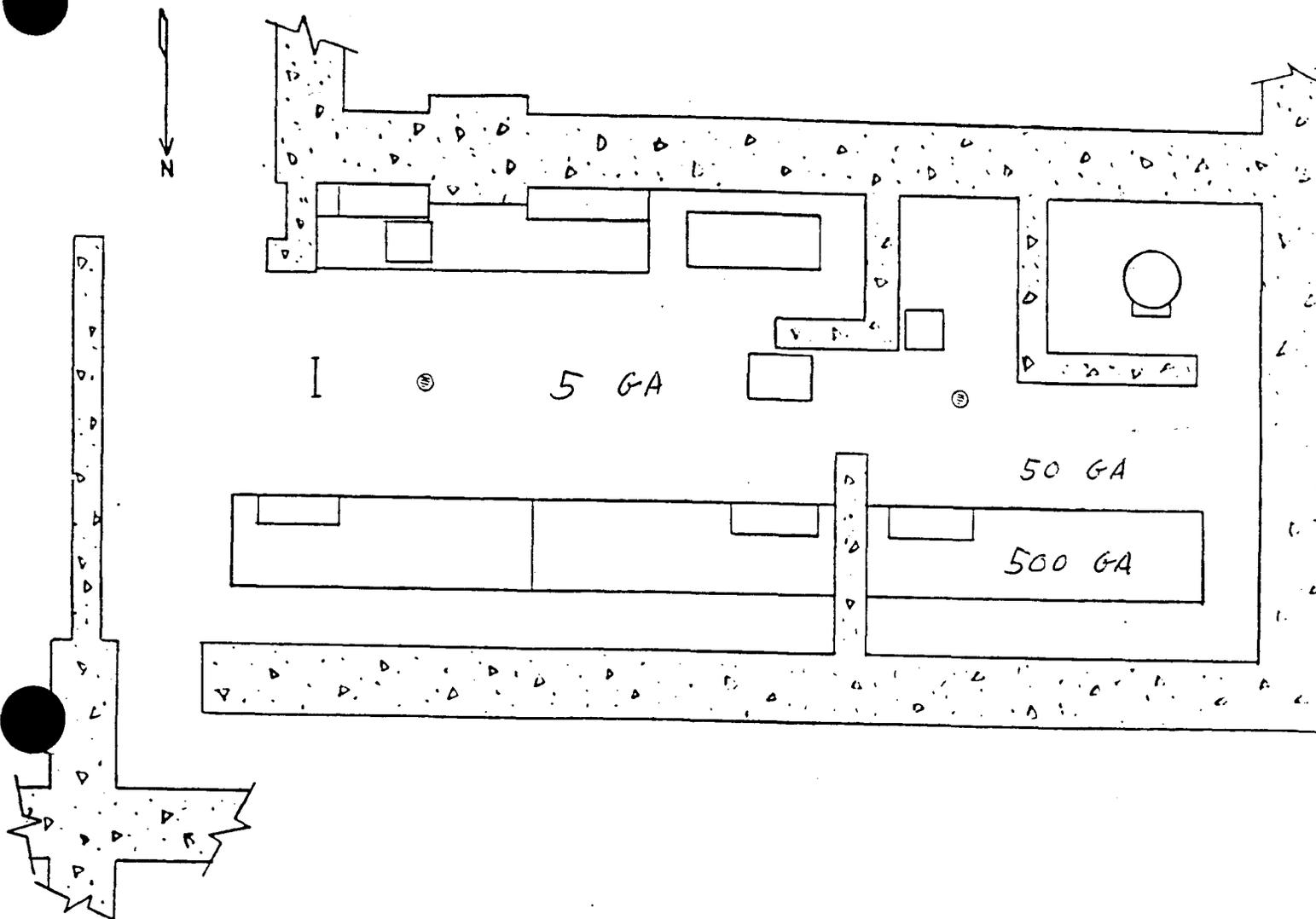
| RADIOLOGICAL POSTINGS | |
|-----------------------|--|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RWP Required |
| | Notify H.P. Prior To Entry |
| XXXXX | Radiological Boundaries |
| ○ | Contamination Smear Locations |
| ✓ | Radiation Levels - Note All radiation levels are to be in YR/HR unless otherwise noted |
| *C/ | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
UNIT 1 HOT SAMPLE ROOM
ELEV. 713'



| RADIOLOGICAL POSTINGS | |
|-------------------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input checked="" type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| <input type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| <input type="checkbox"/> | Contact/18"/GA |

DATE: 9/11/84 TIME: 1400

Surveyed By:

Survey No.:

Instrument No.:

Remarks: Exercise Data

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG
 UNIT 1 VOLUME CONTROL TANK ROOM
 ELEV. 713'

DATE: 9/11/84 TIME: 1400
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: EXERCISE
 DATA

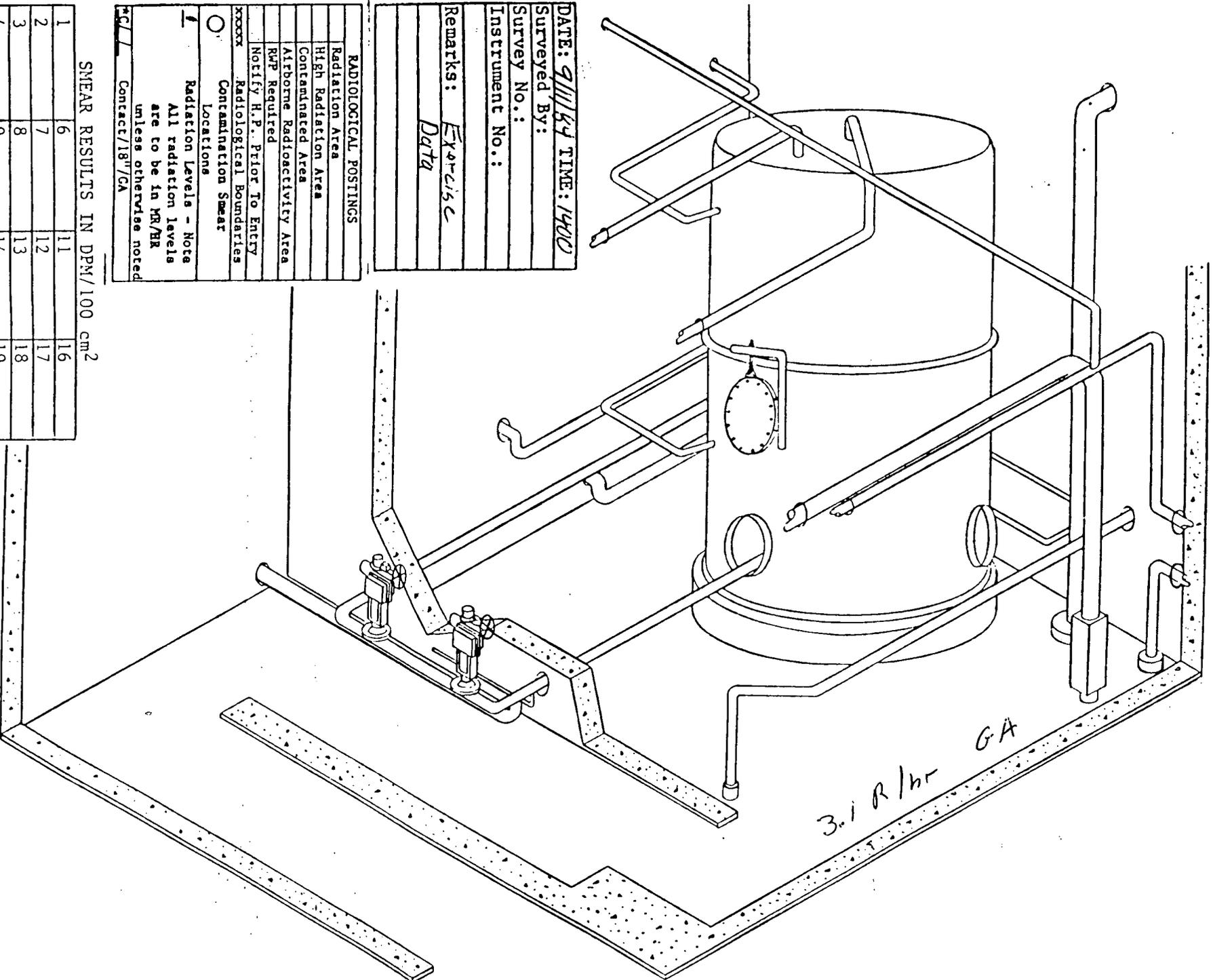
RADIOLOGICAL POSTINGS

| | |
|-------------------------------------|---|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RPP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear |
| <input type="checkbox"/> | Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in HR/HR unless otherwise noted |

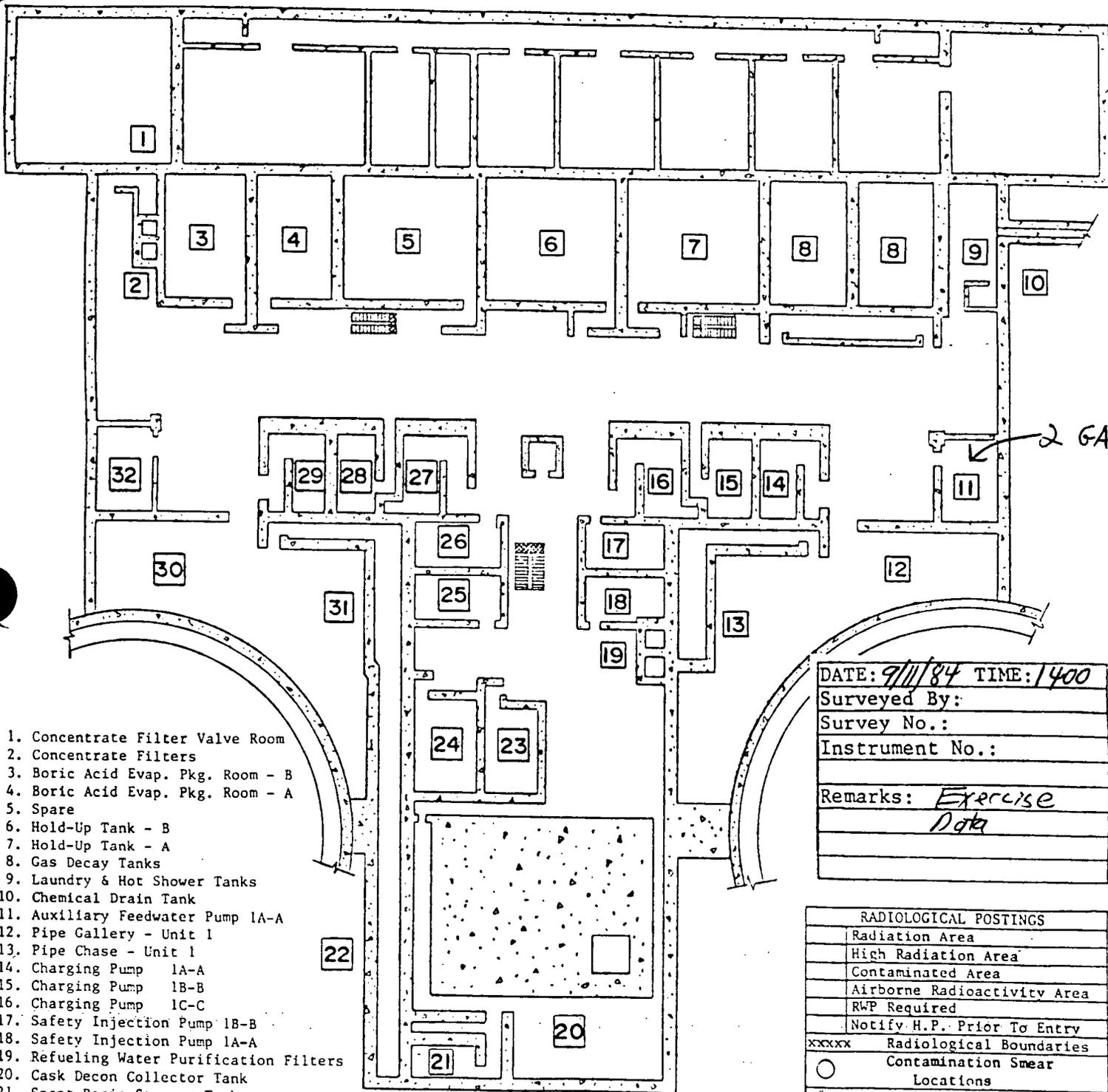
*C/ / Contact/18"/GA

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
ELEV. 692' G/A



1. Concentrate Filter Valve Room
2. Concentrate Filters
3. Boric Acid Evap. Pkg. Room - B
4. Boric Acid Evap. Pkg. Room - A
5. Spare
6. Hold-Up Tank - B
7. Hold-Up Tank - A
8. Gas Decay Tanks
9. Laundry & Hot Shower Tanks
10. Chemical Drain Tank
11. Auxiliary Feedwater Pump 1A-A
12. Pipe Gallery - Unit 1
13. Pipe Chase - Unit 1
14. Charging Pump 1A-A
15. Charging Pump 1B-B
16. Charging Pump 1C-C
17. Safety Injection Pump 1B-B
18. Safety Injection Pump 1A-A
19. Refueling Water Purification Filters
20. Cask Decon Collector Tank
21. Spent Resin Storage Tank
22. Spent Resin Valve Gallery
23. Waste Evaporator Pkg. Room
24. Auxiliary Waste Evaporator Pkg. Room
25. Safety Injection Pump 2A-A
26. Safety Injection Pump 2B-B
27. Charging Pump 2C-C
28. Charging Pump 2B-B
29. Charging Pump 2A-A
30. Pipe Gallery - Unit 2
31. Pipe Chase - Unit 2
32. Auxiliary Feedwater Pump 2A-A

DATE: 9/11/84 TIME: 1400
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data

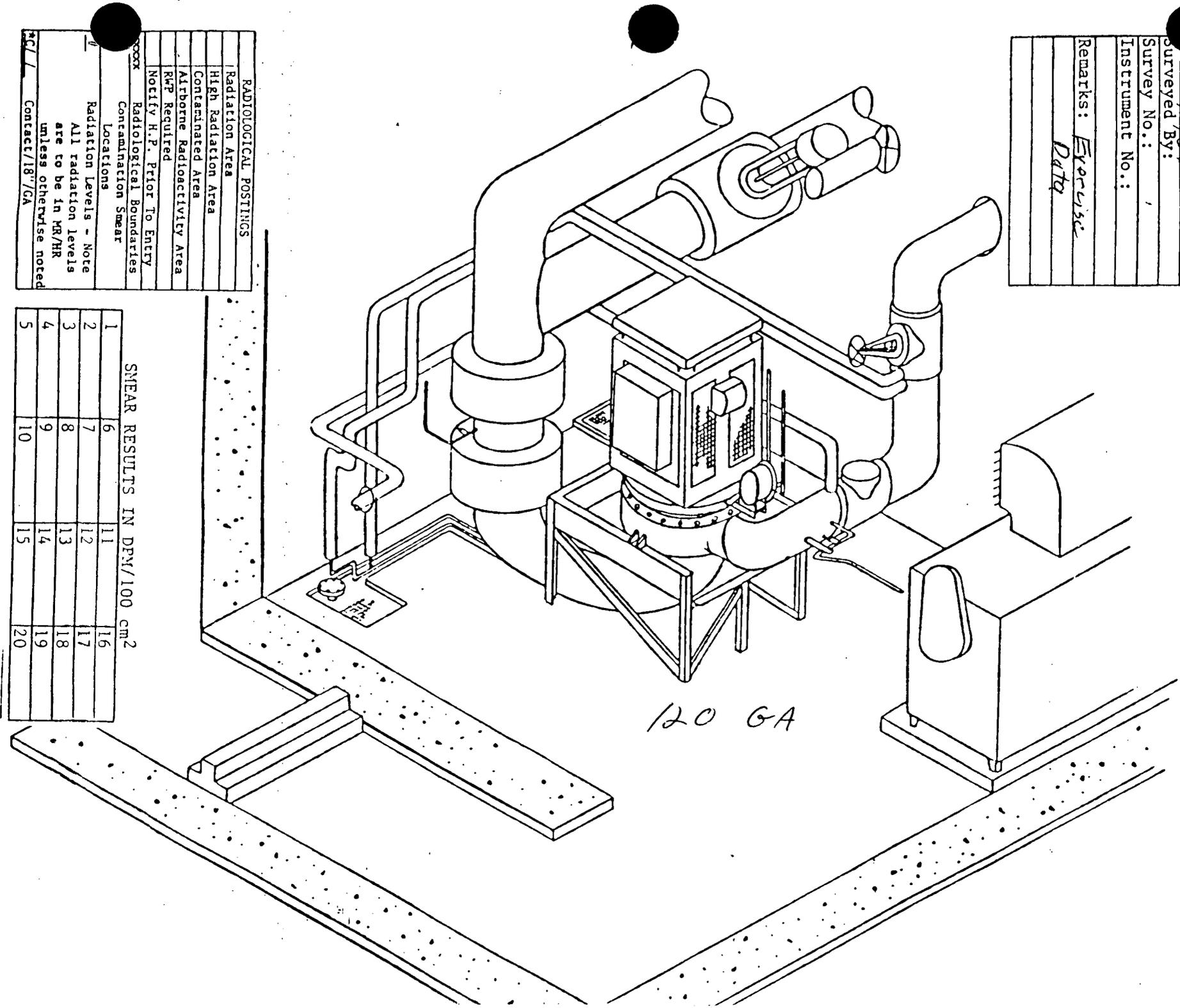
| RADIOLOGICAL POSTINGS | |
|--------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| XXXXX | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear |
| <input type="checkbox"/> | Locations |
| # | Radiation Levels - Note |
| | All radiation levels are to be in MR/HR unless otherwise noted |
| *C/L | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 1A-A RHR PUMP ROOM
 ELEV. 676'

E: 9/11/84 TIME: 1500
 Surveyed By: /
 Survey No.: /
 Instrument No.: /
 Remarks: *Excessive Data*



120 GA

RADIOLOGICAL POSTINGS

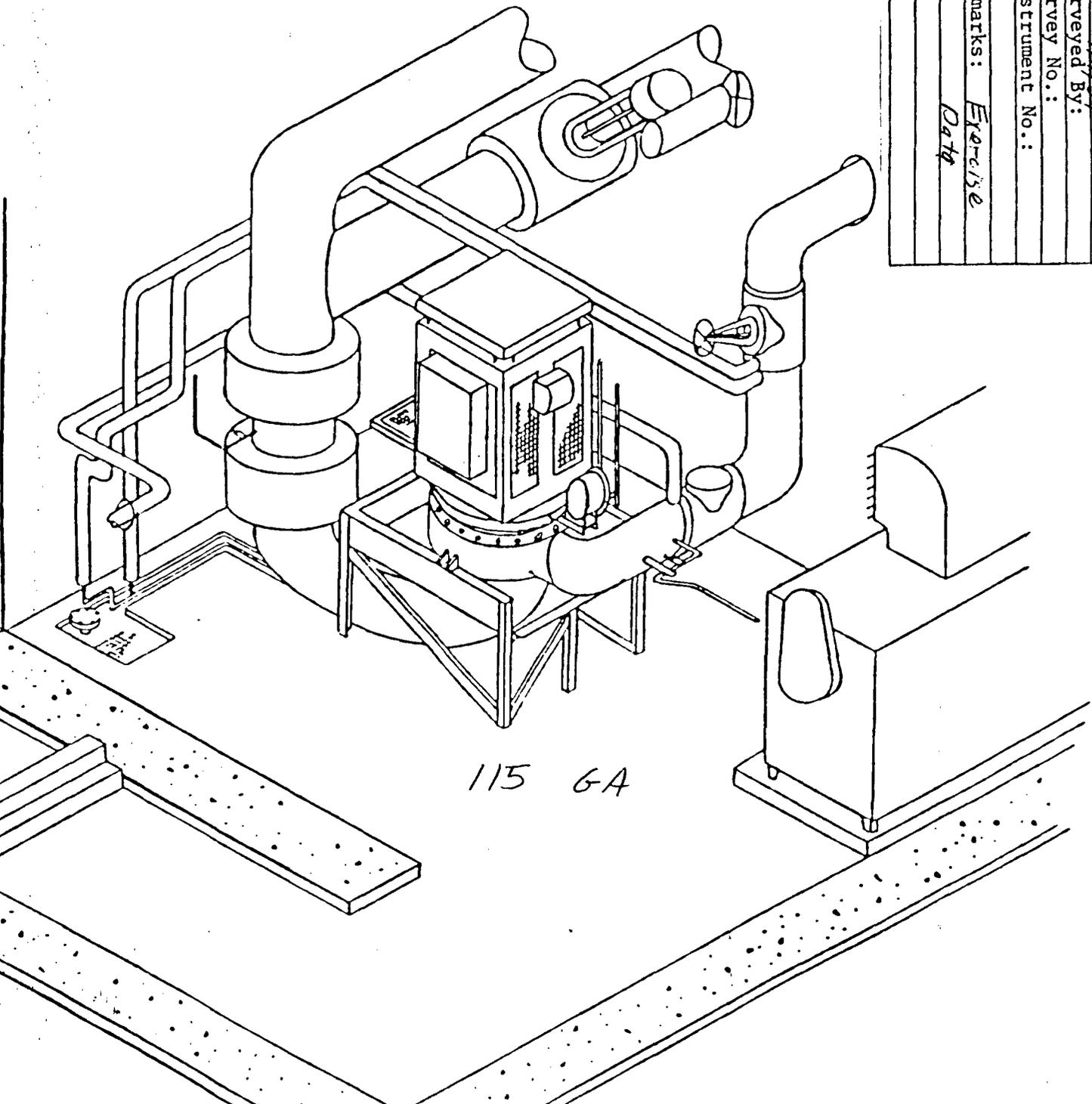
| | |
|--|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RMP Required |
| | Notify H.P. Prior To Entry |
| | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| | Radiation Levels - Note |
| | All radiation levels |
| | are to be in MR/HR |
| | unless otherwise noted |
| | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 1B-B RHR PUMP ROOM
 ELEV. 676'

FE: 9/11/64 TIME: 1500
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Date



RADIOLOGICAL POSTINGS

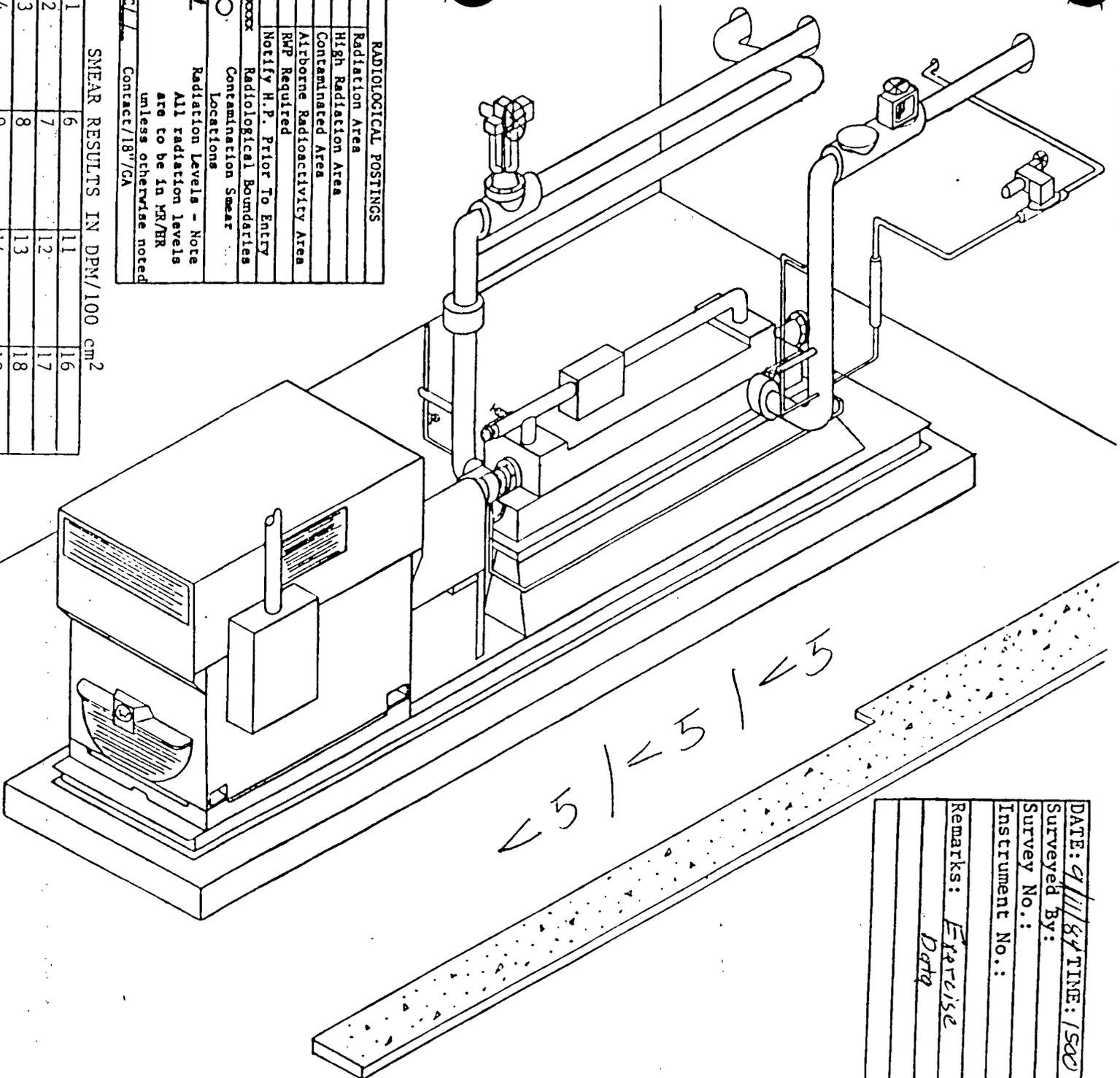
| | |
|--|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RWP Required |
| | Notify H.P. Prior To Entry |
| | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| | Radiation Levels - Note |
| | All radiation levels |
| | are to be in MR/HR |
| | unless otherwise noted |
| | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 IA-A SAFETY INJECTION PUMP ROOM
 ELEV. 692'

DATE: 9/11/87 TIME: 1500
 Surveyed By:
 Survey No. :
 Instrument No. :
 Remarks: *Extr. Data*

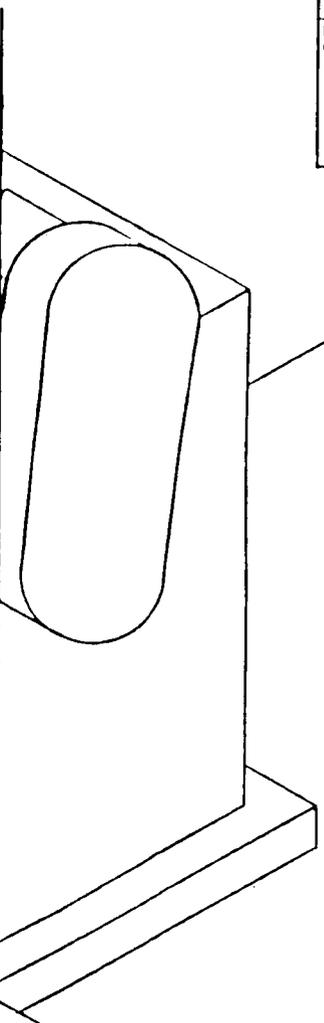


RADIOLOGICAL POSTINGS

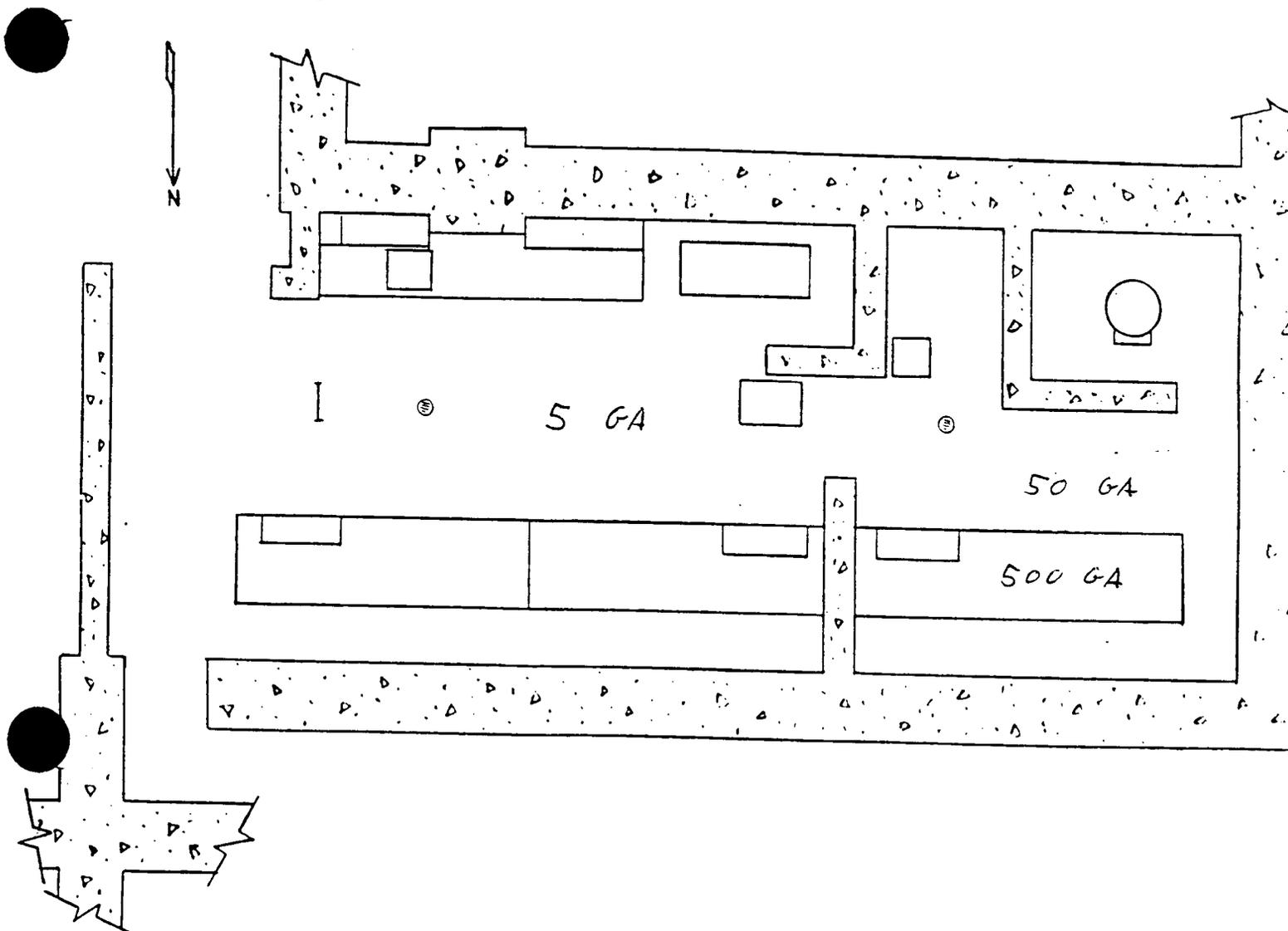
| | |
|------|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RFP Required |
| | Notify H. P. Prior To Entry |
| XXXX | Radiological Boundaries |
| | Contamination Sear |
| | Locations |
| | Radiation Levels - Note |
| | All radiation levels |
| | are to be in KR/HR |
| | unless otherwise noted |
| *C/ | Contact/18"/GA |

SNEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
UNIT 1 HOT SAMPLE ROOM
ELEV. 713'



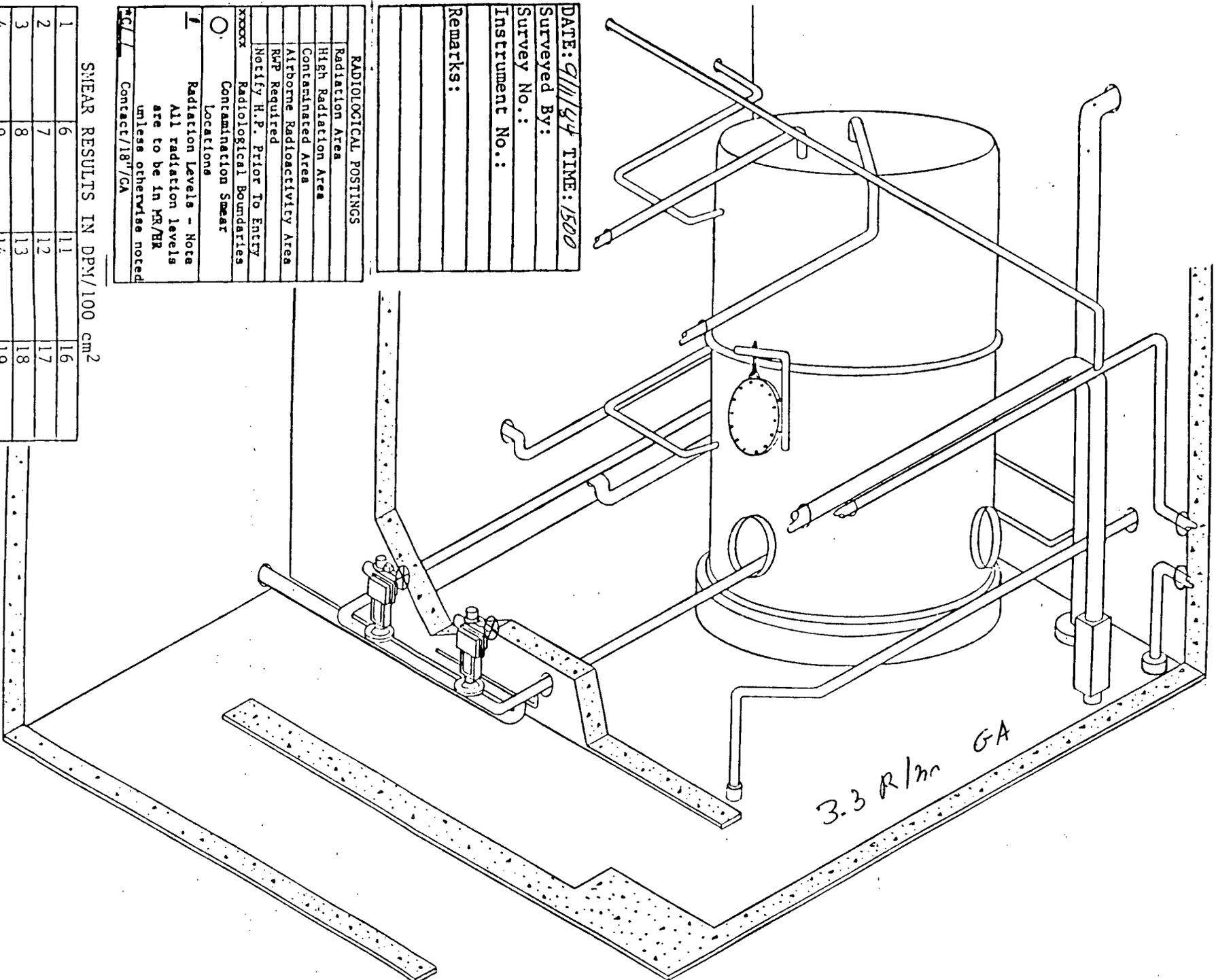
| RADIOLOGICAL POSTINGS | |
|-------------------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input checked="" type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| <input type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| <input checked="" type="checkbox"/> | Contact/18"/GA |

DATE: 9/11/84 TIME: 1500
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise Data

| SMEAR RESULTS IN DPM/100 cm ² | | | |
|--|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG
UNIT 1 VOLUME CONTROL TANK ROOM
ELEV. 713'

3.3 R/m GA



DATE: 9/11/94 TIME: 1500
 Surveyed By: _____
 Survey No.: _____
 Instrument No.: _____
 Remarks: _____

RADIOLOGICAL POSTINGS

Radiation Area
 High Radiation Area
 Contaminated Area
 Airborne Radioactivity Area
 RFP Required
 Notify H.P. Prior To Entry
 Radiological Boundaries
 Contamination Smear
 Locations

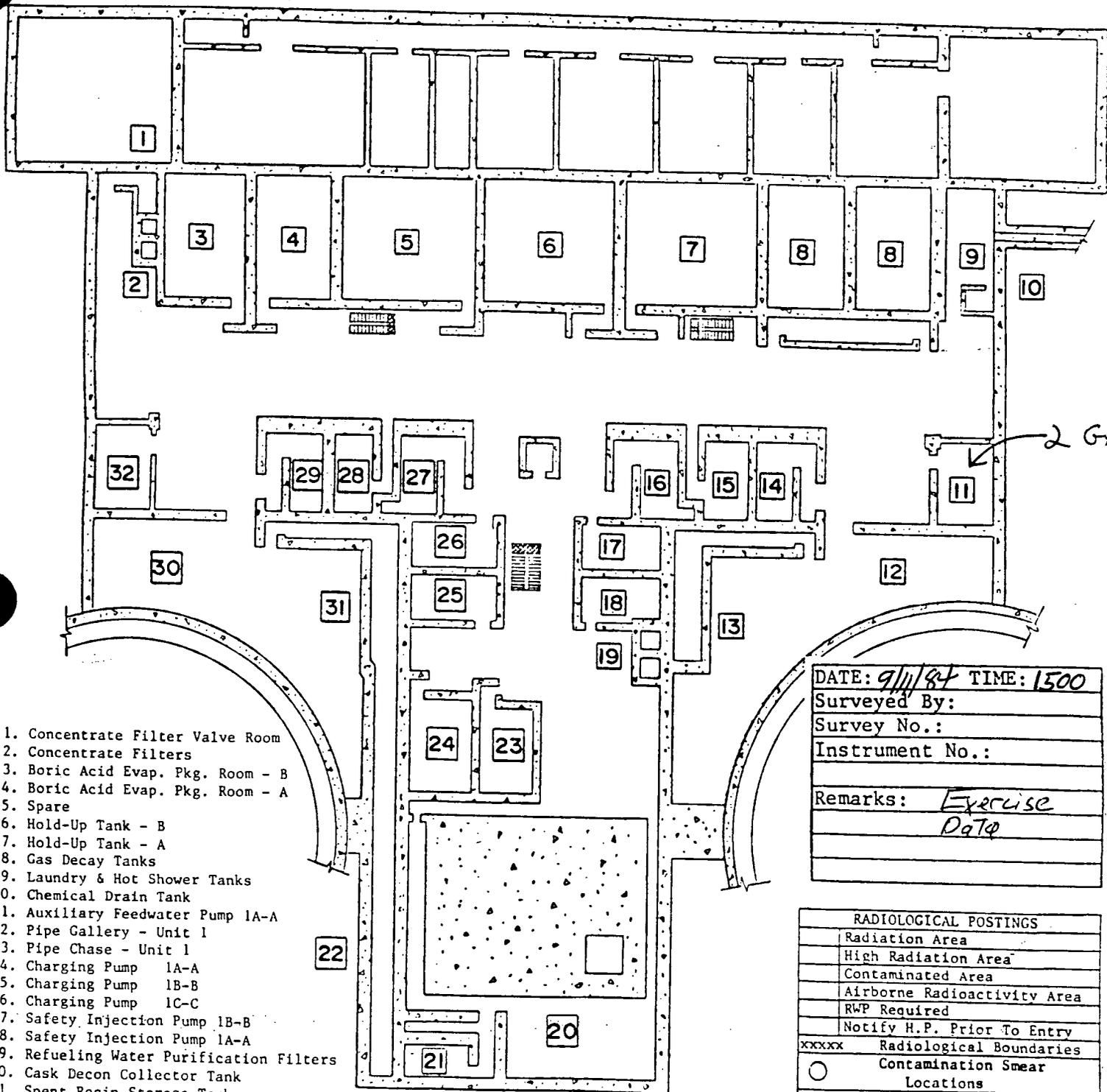
1 Radiation Levels - Note
 All radiation levels
 are to be in KR/HR
 unless otherwise noted

C/G Contact/18"/GA

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
ELEV. 692' G/A



1. Concentrate Filter Valve Room
2. Concentrate Filters
3. Boric Acid Evap. Pkg. Room - B
4. Boric Acid Evap. Pkg. Room - A
5. Spare
6. Hold-Up Tank - B
7. Hold-Up Tank - A
8. Gas Decay Tanks
9. Laundry & Hot Shower Tanks
10. Chemical Drain Tank
11. Auxiliary Feedwater Pump 1A-A
12. Pipe Gallery - Unit 1
13. Pipe Chase - Unit 1
14. Charging Pump 1A-A
15. Charging Pump 1B-B
16. Charging Pump 1C-C
17. Safety Injection Pump 1B-B
18. Safety Injection Pump 1A-A
19. Refueling Water Purification Filters
20. Cask Decon Collector Tank
21. Spent Resin Storage Tank
22. Spent Resin Valve Gallery
23. Waste Evaporator Pkg. Room
24. Auxiliary Waste Evaporator Pkg. Room
25. Safety Injection Pump 2A-A
26. Safety Injection Pump 2B-B
27. Charging Pump 2C-C
28. Charging Pump 2B-B
29. Charging Pump 2A-A
30. Pipe Gallery - Unit 2
31. Pipe Chase - Unit 2
32. Auxiliary Feedwater Pump 2A-A

DATE: 9/11/84 TIME: 1500
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data

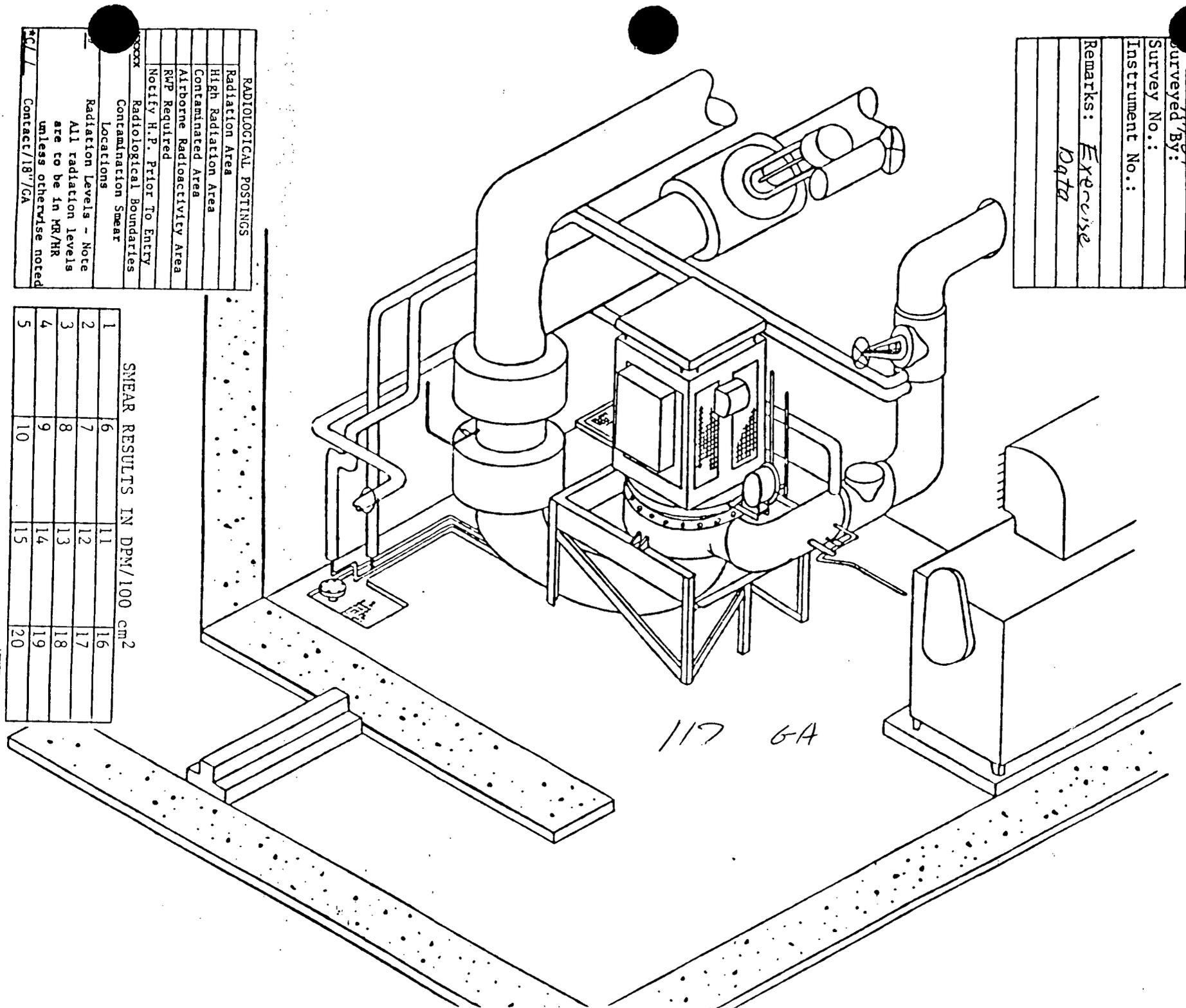
| RADIOLOGICAL POSTINGS | |
|--------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| xxxxx | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear |
| <input type="checkbox"/> | Locations |
| # | Radiation Levels - Note |
| | All radiation levels are to be in MR/HR unless otherwise noted |
| *C/ L | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 IA-A RHR PUMP ROOM
 ELEV. 676'

E: 9/11/64 TIME: 1600
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



RADIOLOGICAL POSTINGS

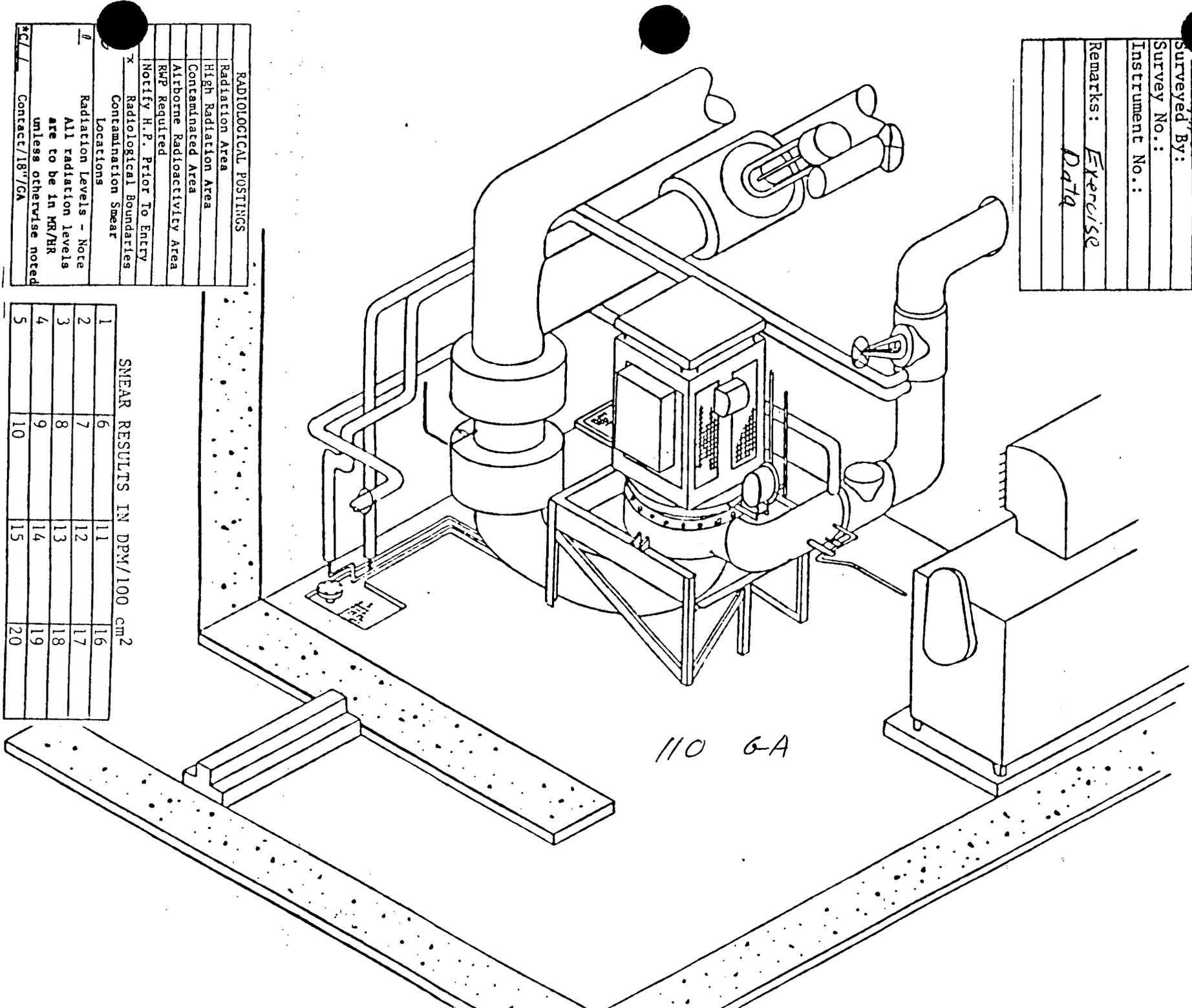
| |
|------------------------------|
| Radiation Area |
| High Radiation Area |
| Contaminated Area |
| Airborne Radioactivity Area |
| RWP Required |
| Notify H.P. Prior To Entry |
| xxxx Radiological Boundaries |
| Concomitant Swear |
| Locations |
| Radiation Levels - Note |
| All radiation levels |
| are to be in MR/HR |
| unless otherwise noted |
| *C/ / Contact/18"/GA |

SNEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 IB-B RHR PUMP ROOM
 ELEV. 676'

DATE: 9/11/84 TIME: 1600
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



RADIOLOGICAL POSTINGS

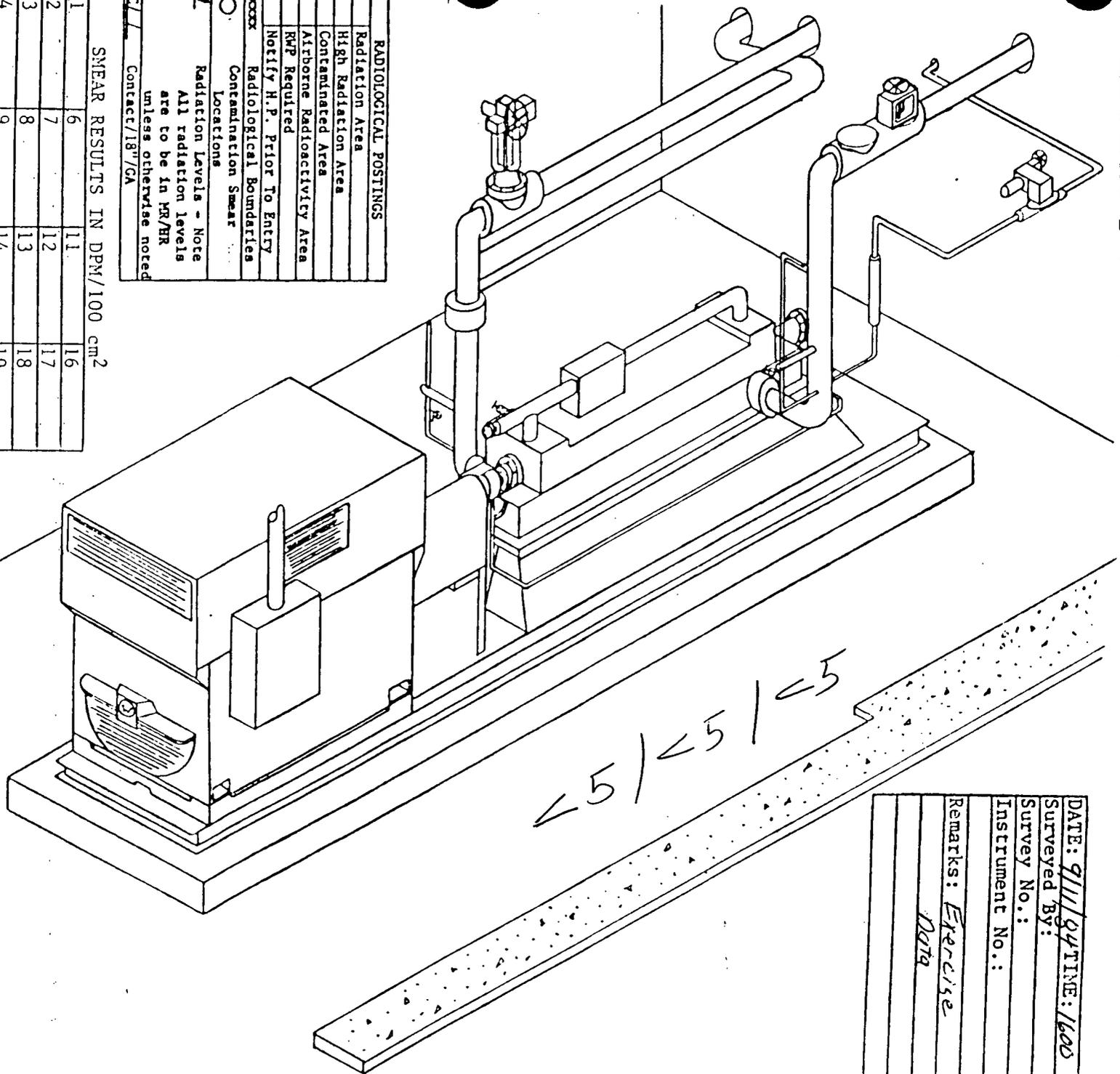
| |
|--|
| Radiation Area |
| High Radiation Area |
| Contaminated Area |
| Airborne Radioactivity Area |
| RWP Required |
| Notify H.P. Prior To Entry |
| x Radiological Boundaries Contamination Smear |
| Locations |
| 7 Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| *C/L Contact/18"/GA |

SNEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 IA-A SAFETY INJECTION PUMP ROOM
 ELEV. 692'

DATE: 9/11/84 TIME: 1600
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Note

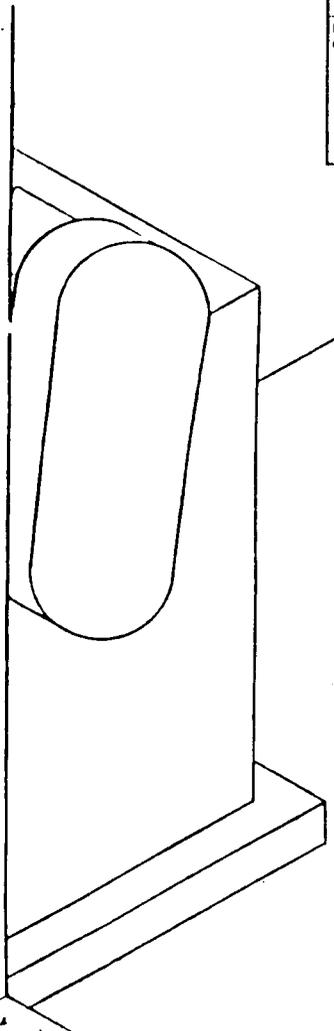


RADIOLOGICAL POSTINGS

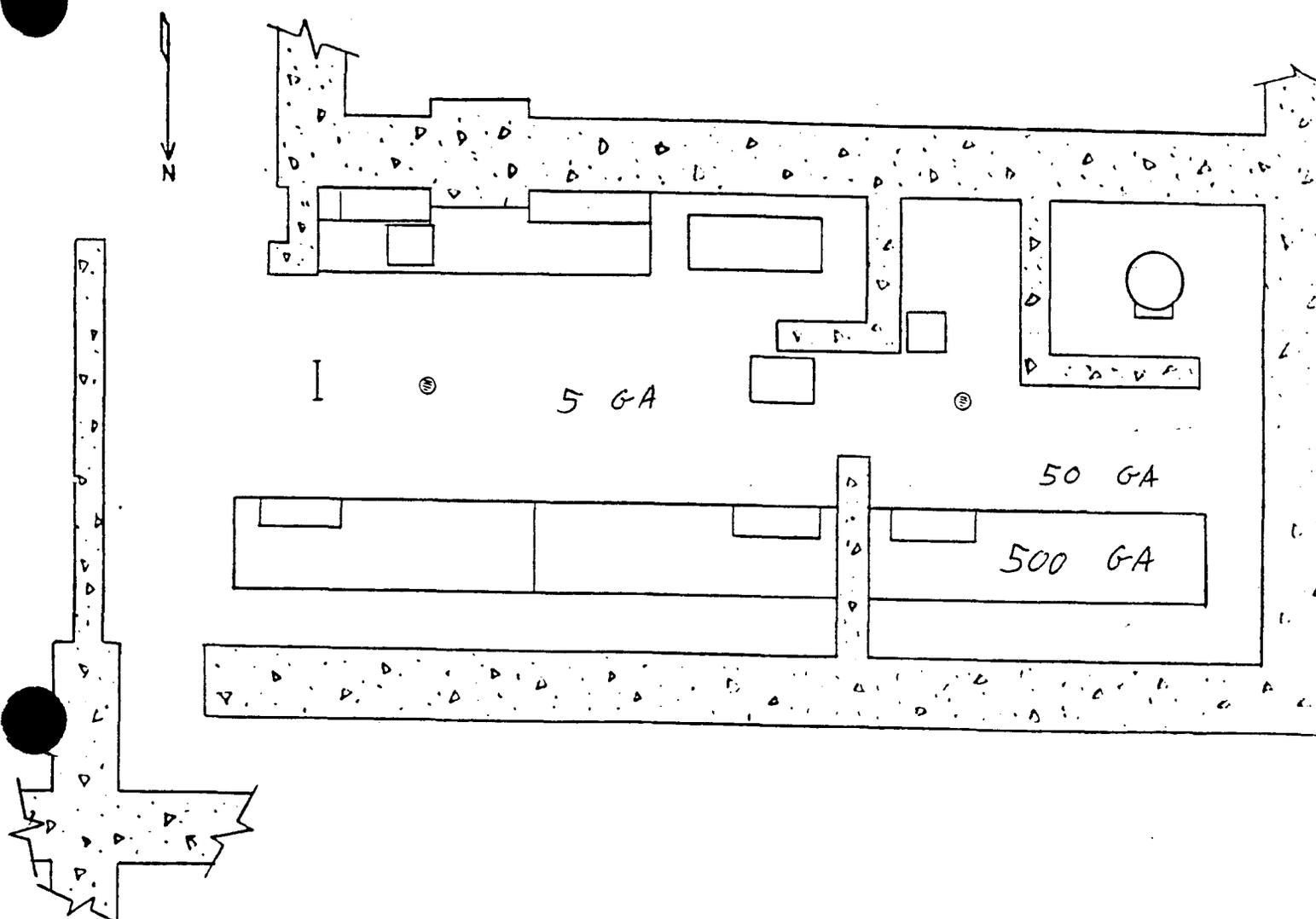
| | |
|-------|--|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RFP Required |
| | Notify H. P. Prior To Entry |
| XXXXX | Radiological Boundaries |
| | Contamination Smear Locations |
| | Radiation Levels - Note |
| | All radiation levels are to be in MR/HR unless otherwise noted |
| *C/ | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
UNIT I HOT SAMPLE ROOM
ELEV. 713'

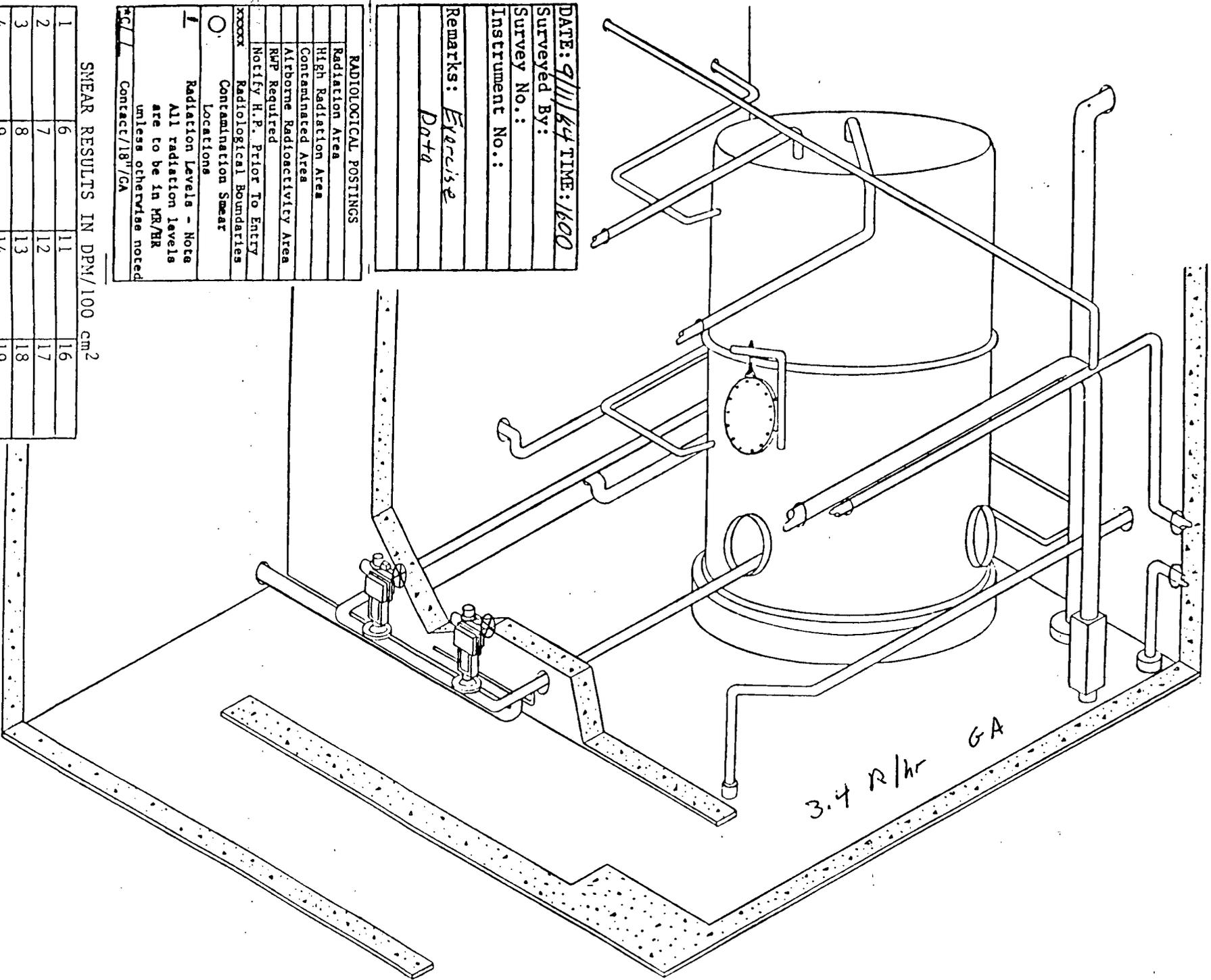


| RADIOLOGICAL POSTINGS | |
|-----------------------|--|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RWP Required |
| | Notify H.P. Prior To Entry |
| ✓ | Radiological Boundaries |
| | Contamination Smear Locations |
| ✓ | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| AC/L | Contact/18"/GA |

DATE: 9/11/84 TIME: 1600
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise Data

| SMEAR RESULTS IN DPM/100 cm ² | | | |
|--|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG
UNIT 1 VOLUME CONTROL TANK ROOM
ELEV. 713'



DATE: 9/11/84 TIME: 1600
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data

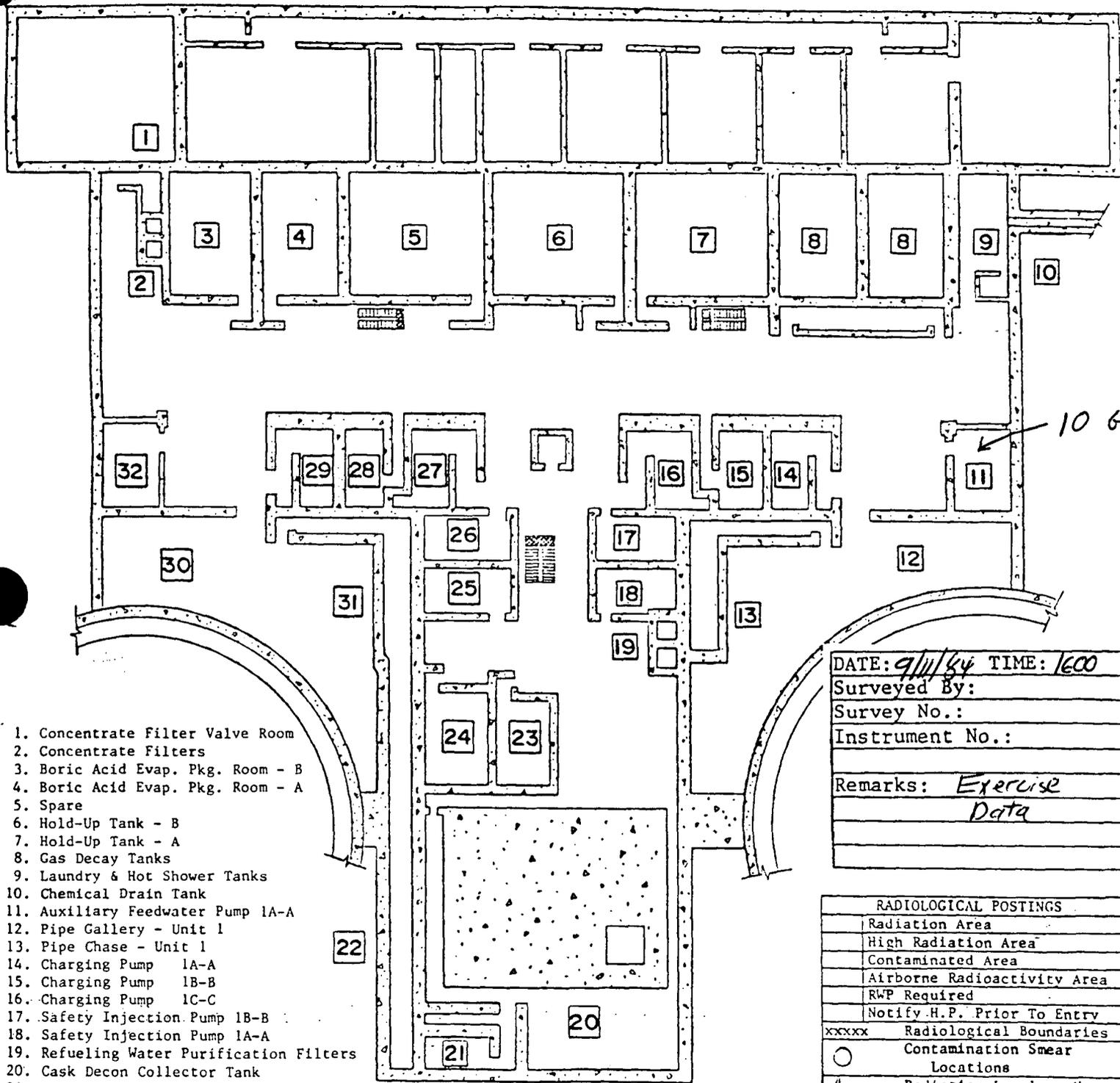
RADIOLOGICAL POSTINGS

Radiation Area
 High Radiation Area
 Contaminated Area
 Airborne Radioactivity Area
 RWP Required
 Notify H.P. Prior To Entry
 Radiological Boundaries
 Contamination Smear
 Locations
 Radiation Levels - Note
 All radiation levels
 are to be in MR/HR
 unless otherwise noted
 Contact: 187/GA

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
ELEV. 692' G/A



1. Concentrate Filter Valve Room
2. Concentrate Filters
3. Boric Acid Evap. Pkg. Room - B
4. Boric Acid Evap. Pkg. Room - A
5. Spare
6. Hold-Up Tank - B
7. Hold-Up Tank - A
8. Gas Decay Tanks
9. Laundry & Hot Shower Tanks
10. Chemical Drain Tank
11. Auxiliary Feedwater Pump 1A-A
12. Pipe Gallery - Unit 1
13. Pipe Chase - Unit 1
14. Charging Pump 1A-A
15. Charging Pump 1B-B
16. Charging Pump 1C-C
17. Safety Injection Pump 1B-B
18. Safety Injection Pump 1A-A
19. Refueling Water Purification Filters
20. Cask Decon Collector Tank
21. Spent Resin Storage Tank
22. Spent Resin Valve Gallery
23. Waste Evaporator Pkg. Room
24. Auxiliary Waste Evaporator Pkg. Room
25. Safety Injection Pump 2A-A
26. Safety Injection Pump 2B-B
27. Charging Pump 2C-C
28. Charging Pump 2B-B
29. Charging Pump 2A-A
30. Pipe Gallery - Unit 2
31. Pipe Chase - Unit 2
32. Auxiliary Feedwater Pump 2A-A

DATE: 9/11/64 TIME: 1600
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise Data

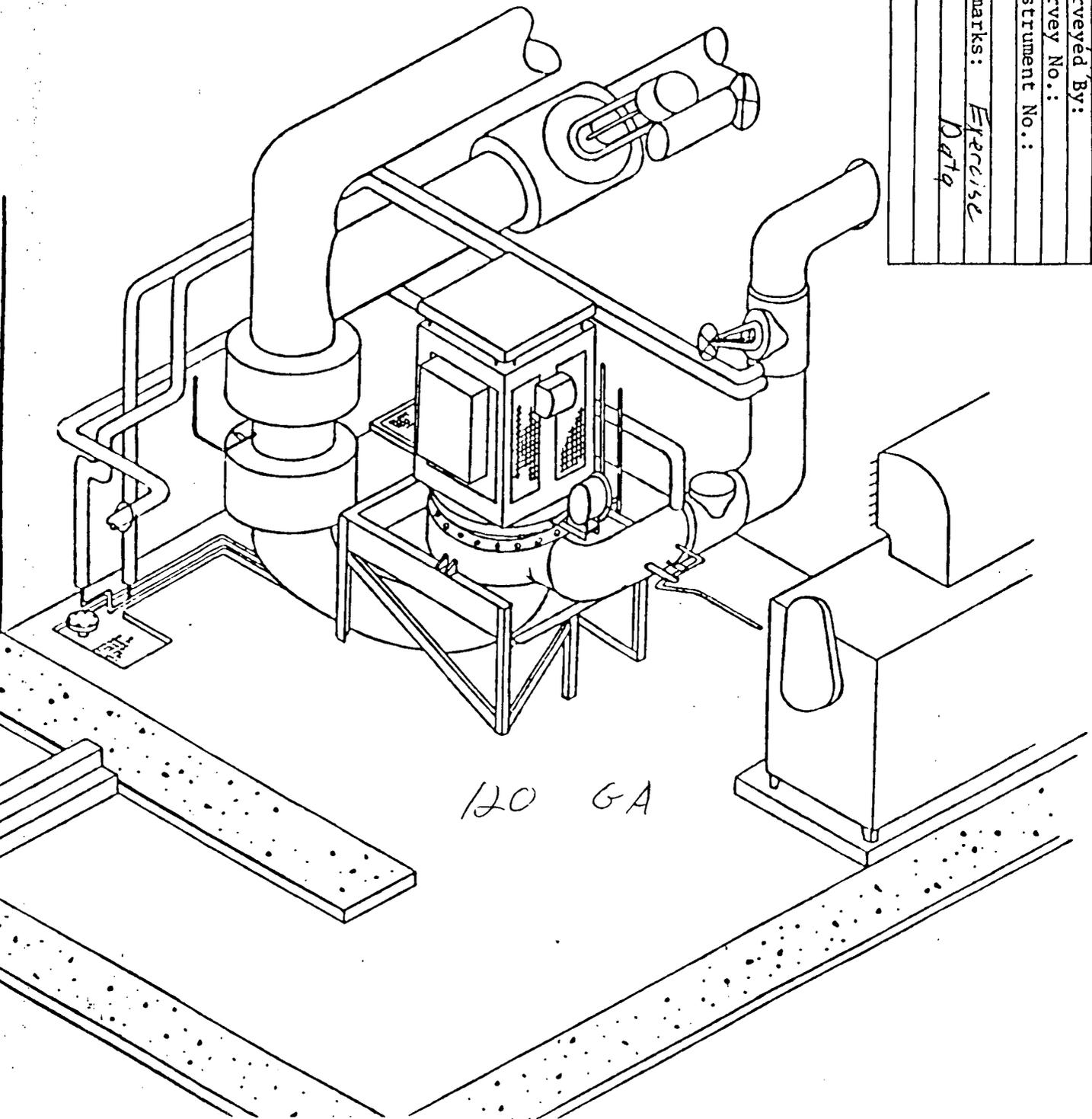
| RADIOLOGICAL POSTINGS | |
|--------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| XXXXX | Radiological Boundaries |
| ○ | Contamination Smear Locations |
| # | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| *CL/L | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 1A-A RHR PUMP ROOM
 ELEV. 676'

FE: 9/11/84 TIME: 1300
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



RADIOLOGICAL POSTINGS

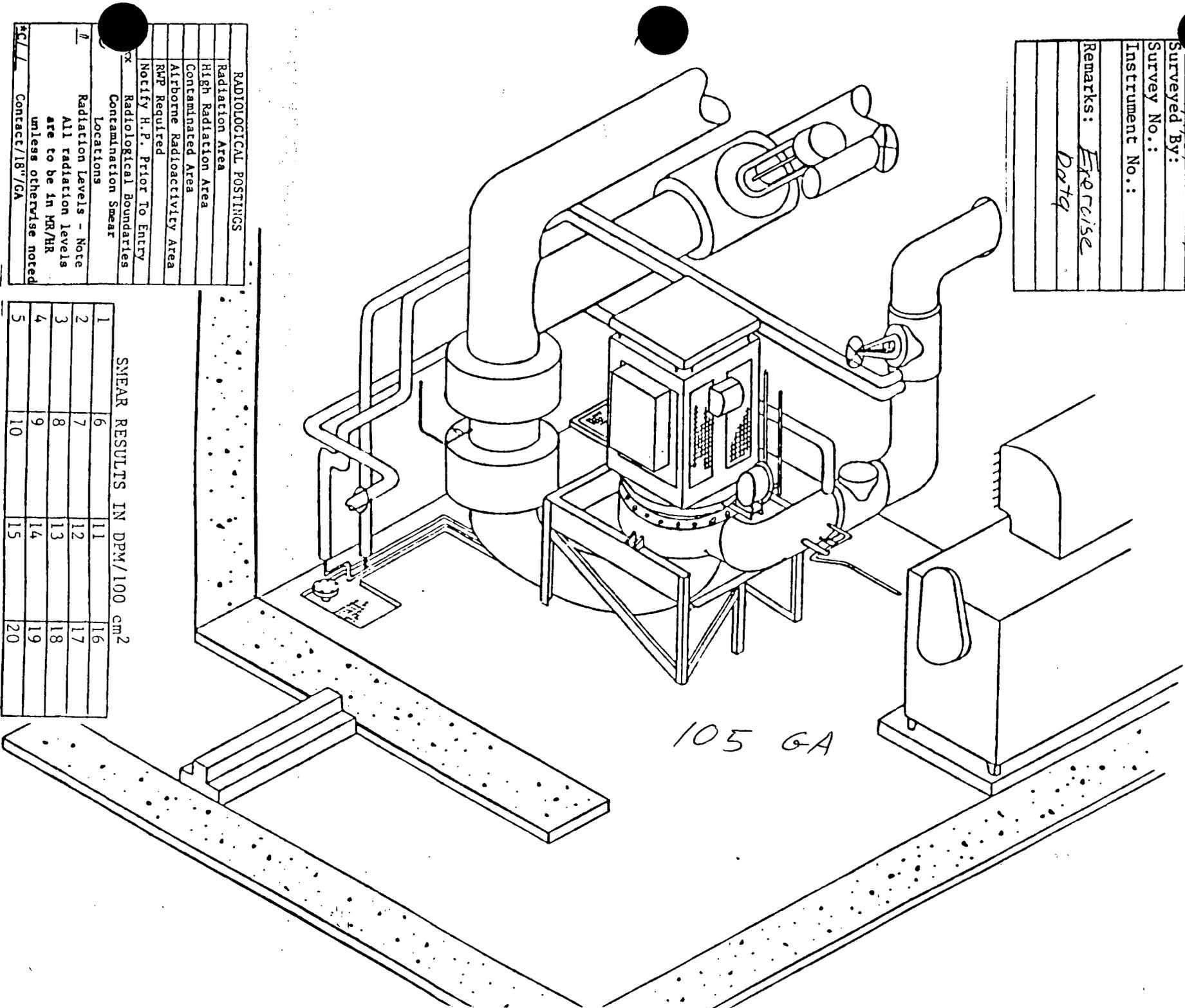
| |
|-----------------------------|
| Radiation Area |
| High Radiation Area |
| Contaminated Area |
| Airborne Radioactivity Area |
| RWP Required |
| Notify H.P. Prior To Entry |
| xxx Radiological Boundaries |
| Contamination Swear |
| Locations |
| Radiation Levels - Note |
| All radiation levels |
| are to be in MR/HR |
| unless otherwise noted |
| *C/ / Contact/18"/GA |

SNEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 1B-B RHR PUMP ROOM
 ELEV. 676'

TE: 9/11/84 TIME: 1700
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



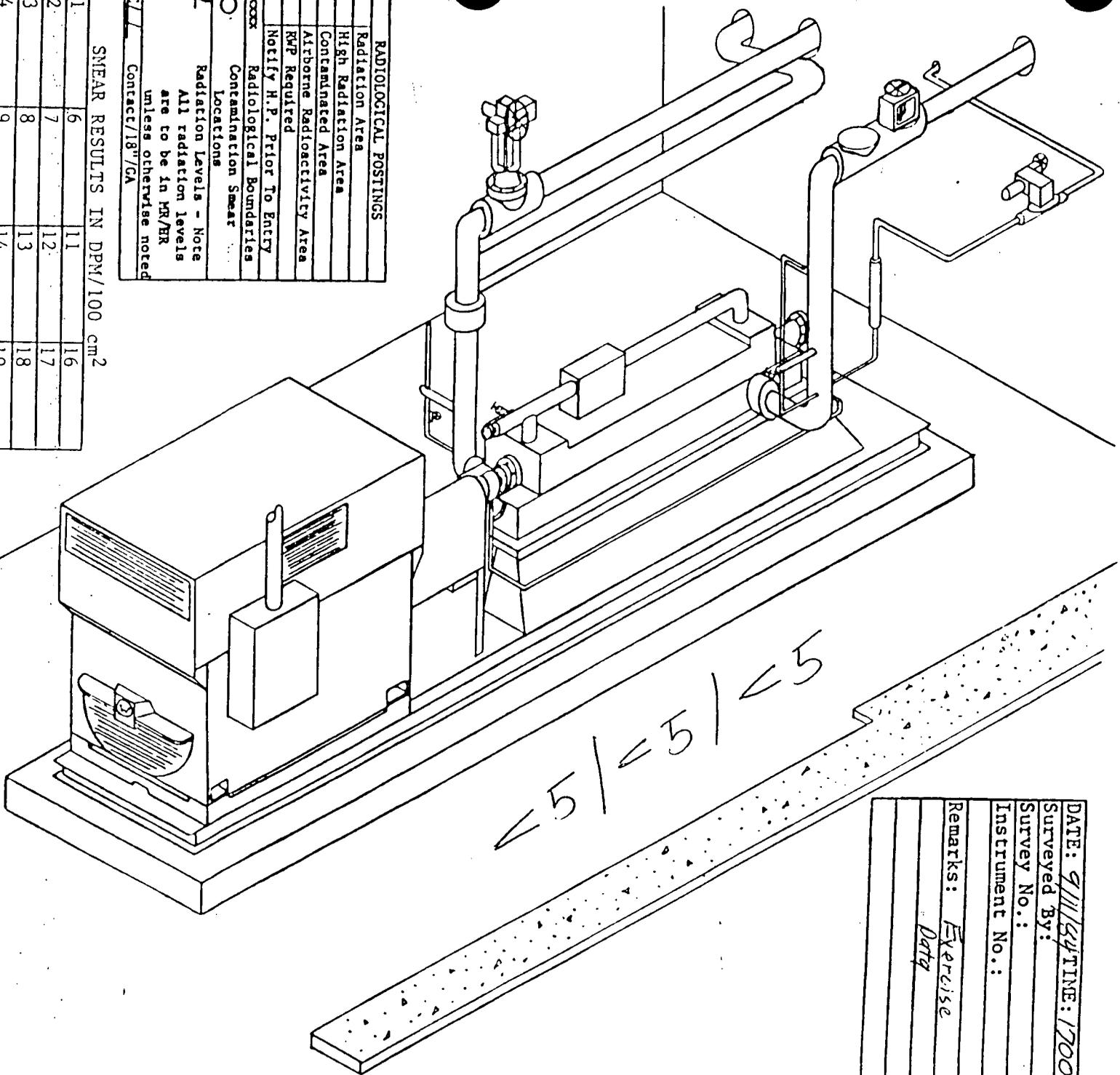
105 GA

| RADIOLOGICAL POSTINGS | |
|-----------------------|-----------------------------|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RMP Required |
| | Notify H.P. Prior To Entry |
| ✓ | Radiological Boundaries |
| | Contamination Smear |
| | Locations |
| # | Radiation Levels - Note |
| | All radiation levels |
| | are to be in MR/HR |
| | unless otherwise noted |
| ✓ | Contact/18"/GA |

| SMEAR RESULTS IN DPM/100 cm ² | | | |
|--|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
 IA-A SAFETY INJECTION PUMP ROOM
 ELEV. 692'

DATE: 9/11/84 TIME: 1700
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise
 Data



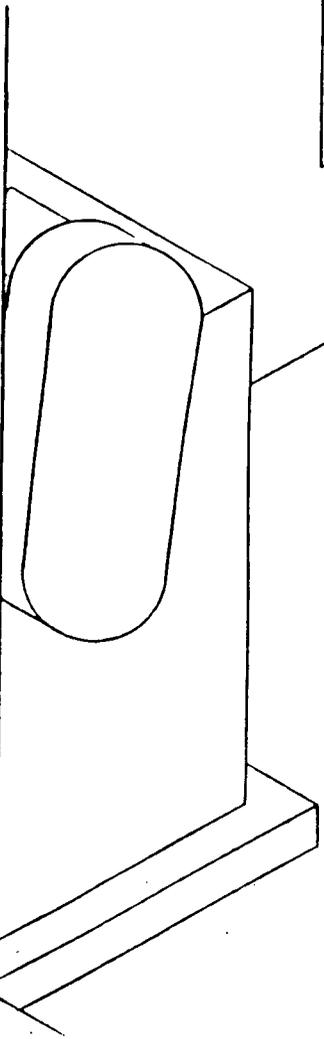
<5 / <5 / <5

RADIOLOGICAL POSTINGS

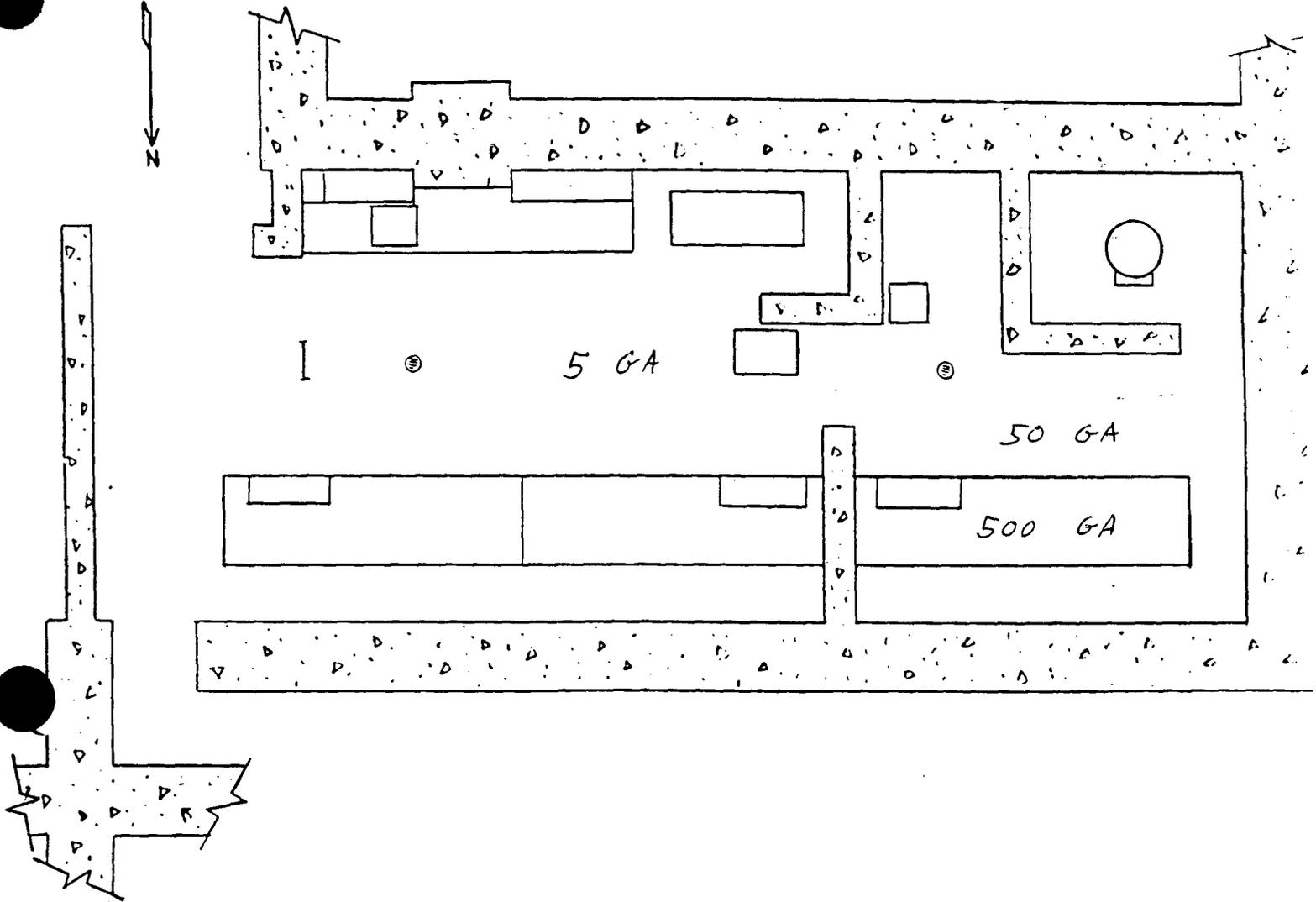
| | |
|-------|--|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RMP Required |
| XXXXX | Notify H.P. Prior To Entry |
| | Radiological Boundaries |
| | Contamination Smear Locations |
| | Radiation Levels - Note All radiation levels are to be in HR/HR unless otherwise noted |
| TC/ | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |



AUXILIARY BLDG.
UNIT I HOT SAMPLE ROOM
ELEV. 713'

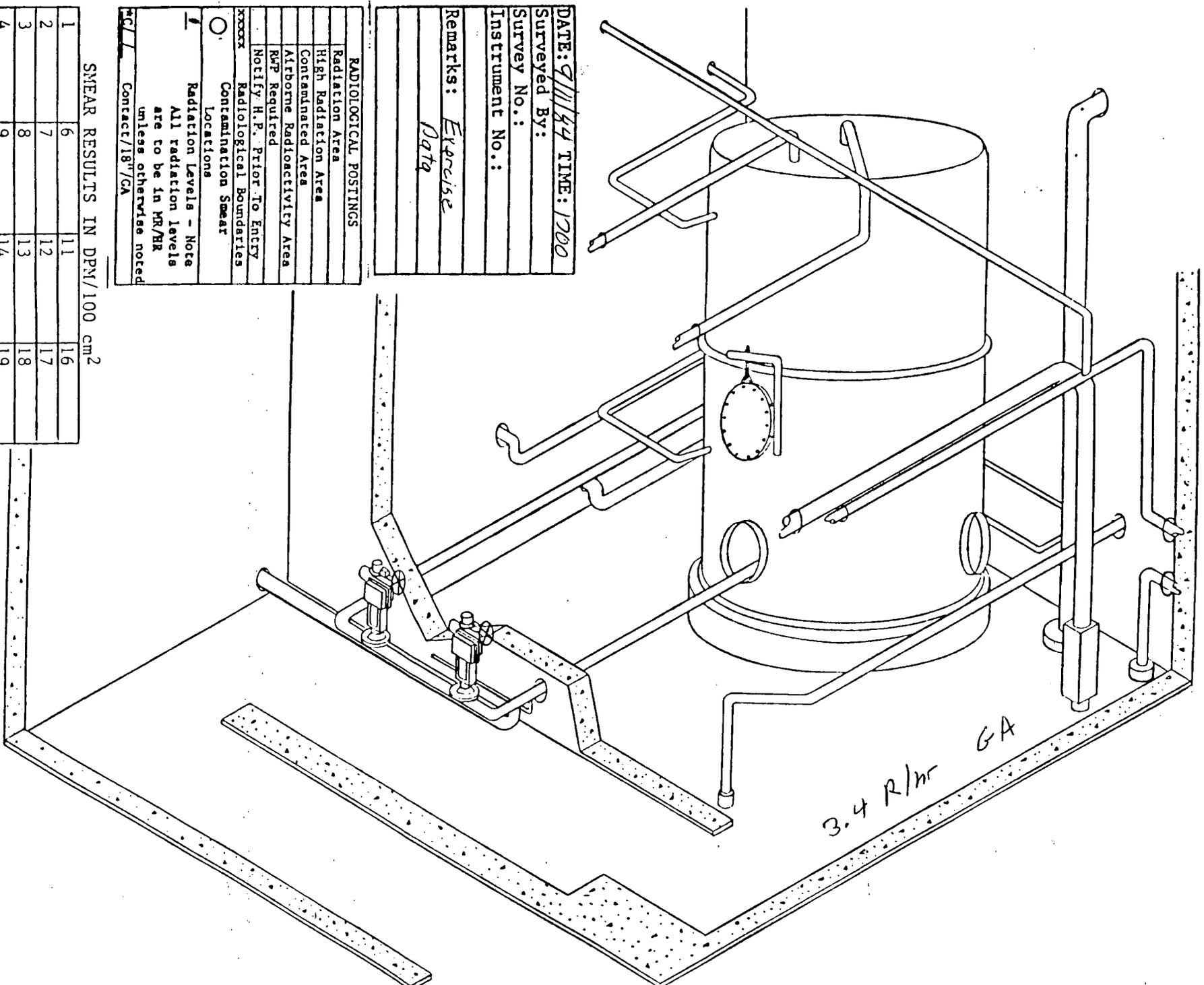


| RADIOLOGICAL POSTINGS | |
|-----------------------|---|
| | Radiation Area |
| | High Radiation Area |
| | Contaminated Area |
| | Airborne Radioactivity Area |
| | RWP Required |
| | Notify H.P. Prior To Entry |
| xx | Radiological Boundaries |
| | Contamination Smear Locations |
| # | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| *C/L | Contact/18"/GA |

| |
|--------------------------|
| DATE: 9/11/84 TIME: 1700 |
| Surveyed By: |
| Survey No.: |
| Instrument No.: |
| Remarks: Exercise Data |
| |
| |

| SMEAR RESULTS IN DPM/100 cm ² | | | |
|--|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG
 UNIT 1 VOLUME CONTROL TANK ROOM
 ELEV. 713'



DATE: 9/11/84 TIME: 1200

Surveyed By:

Survey No.:

Instrument No.:

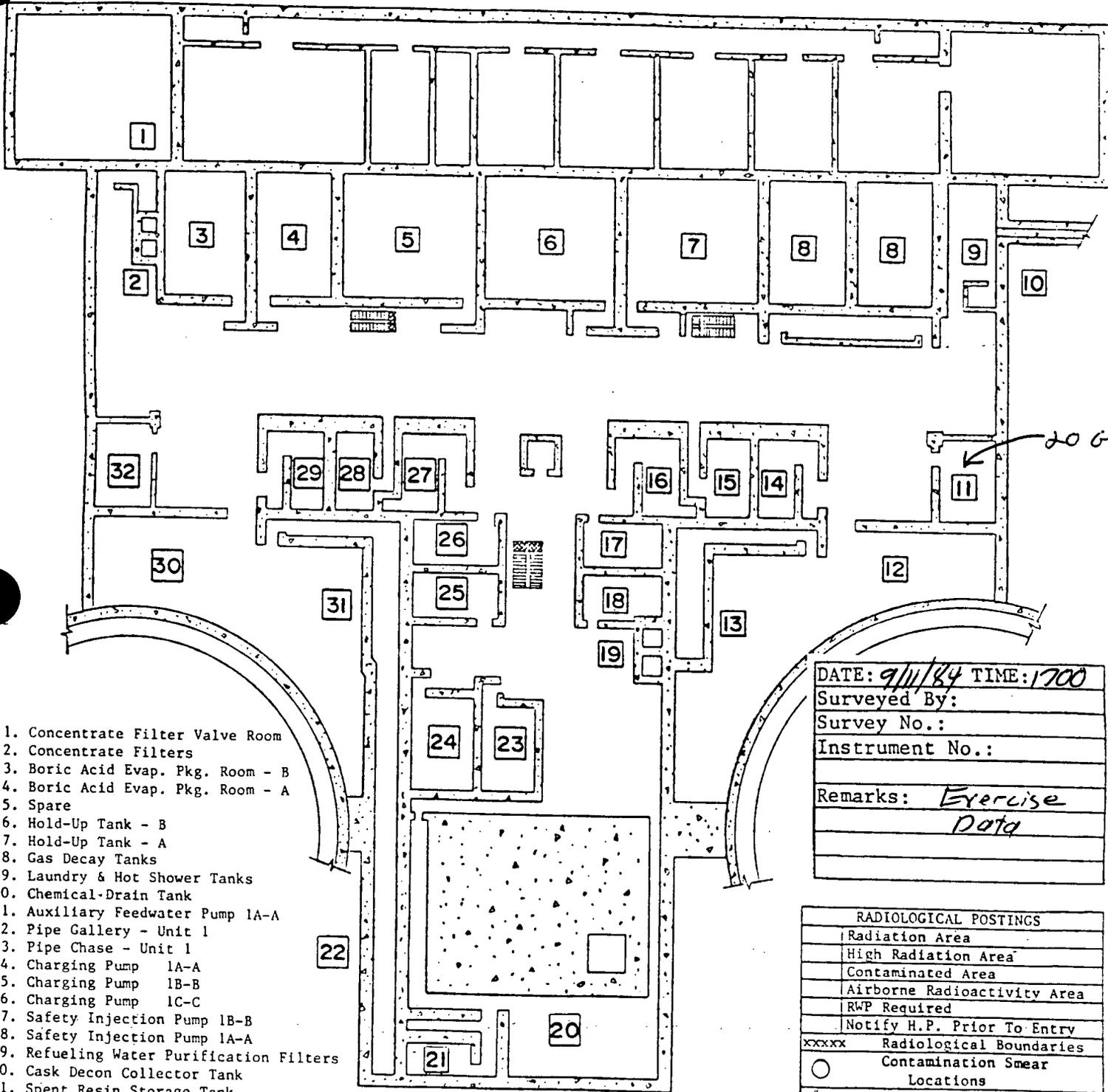
Remarks: Exercise
 Data

| | |
|-------------------------------------|---|
| <input type="checkbox"/> | RADIOLICAL POSTINGS |
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RFP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| <input type="checkbox"/> | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear |
| <input type="checkbox"/> | Locations |
| <input checked="" type="checkbox"/> | Radiation Levels - Note All radiation levels are to be in KR/HR unless otherwise noted |
| <input checked="" type="checkbox"/> | Contact/18"/GA |

SNEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

AUXILIARY BLDG.
ELEV. 692' G/A



1. Concentrate Filter Valve Room
2. Concentrate Filters
3. Boric Acid Evap. Pkg. Room - B
4. Boric Acid Evap. Pkg. Room - A
5. Spare
6. Hold-Up Tank - B
7. Hold-Up Tank - A
8. Gas Decay Tanks
9. Laundry & Hot Shower Tanks
10. Chemical-Drain Tank
11. Auxiliary Feedwater Pump 1A-A
12. Pipe Gallery - Unit 1
13. Pipe Chase - Unit 1
14. Charging Pump 1A-A
15. Charging Pump 1B-B
16. Charging Pump 1C-C
17. Safety Injection Pump 1B-B
18. Safety Injection Pump 1A-A
19. Refueling Water Purification Filters
20. Cask Decon Collector Tank
21. Spent Resin Storage Tank
22. Spent Resin Valve Gallery
23. Waste Evaporator Pkg. Room
24. Auxiliary Waste Evaporator Pkg. Room
25. Safety Injection Pump 2A-A
26. Safety Injection Pump 2B-B
27. Charging Pump 2C-C
28. Charging Pump 2B-B
29. Charging Pump 2A-A
30. Pipe Gallery - Unit 2
31. Pipe Chase - Unit 2
32. Auxiliary Feedwater Pump 2A-A

DATE: 9/11/84 TIME: 1700
 Surveyed By:
 Survey No.:
 Instrument No.:
 Remarks: Exercise Data

| RADIOLOGICAL POSTINGS | |
|--------------------------|--|
| <input type="checkbox"/> | Radiation Area |
| <input type="checkbox"/> | High Radiation Area |
| <input type="checkbox"/> | Contaminated Area |
| <input type="checkbox"/> | Airborne Radioactivity Area |
| <input type="checkbox"/> | RWP Required |
| <input type="checkbox"/> | Notify H.P. Prior To Entry |
| xxxxx | Radiological Boundaries |
| <input type="checkbox"/> | Contamination Smear Locations |
| # | Radiation Levels - Note All radiation levels are to be in MR/HR unless otherwise noted |
| *C/ L | Contact/18"/GA |

SMEAR RESULTS IN DPM/100 cm²

| | | | |
|---|----|----|----|
| 1 | 6 | 11 | 16 |
| 2 | 7 | 12 | 17 |
| 3 | 8 | 13 | 18 |
| 4 | 9 | 14 | 19 |
| 5 | 10 | 15 | 20 |

REACTOR COOLANT ACTIVITY

T = 0 minutes - 1 hour 50 minutes (0450)

| <u>Isotope</u> | <u>Activity (μCi/cc)</u> |
|----------------|--------------------------|
| Kr 87 | 5.99 x 10 ⁻² |
| Kr 88 | 2.00 x 10 ⁻¹ |
| Xe 131m | 1.10 x 10 ⁻¹ |
| Xe 133m | 2.20 x 10 ⁻¹ |
| Xe 133 | 1.80 x 10 ¹ |
| Xe 135 | 3.50 x 10 ⁻¹ |
| I 131 | 2.70 x 10 ⁻¹ |
| I 132 | 1.00 x 10 ⁻¹ |
| I 133 | 3.80 x 10 ⁻¹ |
| I 135 | 1.91 x 10 ⁻¹ |
| Rb 88 | 2.00 x 10 ⁻¹ |
| Cs 134 | 2.50 x 10 ⁻² |
| Cs 137 | 1.80 x 10 ⁻² |
| Te 129 | 1.60 x 10 ⁻³ |
| Te 132 | 2.70 x 10 ⁻² |
| Ba 140 | 2.20 x 10 ⁻⁴ |
| La 140 | 1.50 x 10 ⁻⁴ |
| La 142 | 0.0 |
| Pr 144 | 3.30 x 10 ⁻⁵ |

TEA:JLR
08/14/84
A1227A.JR

REACTOR COOLANT ACTIVITY

T = 3 hours 50 minutes (0650)

| <u>Isotope</u> | <u>Activity ($\mu\text{Ci/cc}$)</u> |
|----------------|--|
| Kr 87 | 2.02×10^{-2} |
| Kr 88 | 1.22×10^{-1} |
| Xe 131m | 1.10×10^{-1} |
| Xe 133m | 2.16×10^{-1} |
| Xe 133 | 1.78×10^1 |
| Xe 135 | 4.41×10^{-1} |
| I 131 | 2.41×10^0 |
| I 132 | 1.75×10^{-1} |
| I 133 | 2.49×10^0 |
| I 135 | 9.24×10^{-1} |
| Rb 88 | 1.36×10^{-1} |
| Cs 134 | 2.50×10^{-2} |
| Cs 137 | 1.80×10^{-2} |
| Te 129 | 1.10×10^{-3} |
| Te 132 | 2.65×10^{-2} |
| Ba 140 | 2.19×10^{-4} |
| La 140 | 1.52×10^{-4} |
| La 142 | 0.0 |
| Pr 144 | 3.30×10^{-5} |

REACTOR COOLANT ACTIVITY

T = 6 hours (0900)

| <u>Isotope</u> | <u>Activity ($\mu\text{Ci/cc}$)</u> |
|----------------|--|
| Kr 87 | 5.65×10^{-3} |
| Kr 88 | 6.84×10^{-2} |
| Xe 131m | 1.09×10^{-1} |
| Xe 133m | 2.11×10^{-1} |
| Xe 133 | 1.76×10^1 |
| Xe 135 | 5.03×10^{-1} |
| I 131 | 2.39×10^0 |
| I 132 | 9.96×10^{-2} |
| I 133 | 2.30×10^0 |
| I 135 | 7.23×10^{-1} |
| Rb 88 | 7.65×10^{-2} |
| Cs 134 | 2.50×10^{-2} |
| Cs 137 | 1.80×10^{-2} |
| Te 129 | 9.42×10^{-4} |
| Te 132 | 2.60×10^{-2} |
| Ba 140 | 2.18×10^{-4} |
| La 140 | 1.55×10^{-4} |
| La 142 | 0.0 |
| Pr 144 | 3.30×10^{-5} |

REACTOR COOLANT ACTIVITY

T = 7 hours 30 minutes (1030)

| <u>Isotope</u> | <u>Activity (μCi/cc)</u> |
|----------------|--------------------------|
| Kr 87 | 1.53 x 10 ⁻³ |
| Kr 88 | 2.89 x 10 ⁻² |
| Xe 131m | 6.66 x 10 ⁻² |
| Xe 133m | 1.27 x 10 ⁻¹ |
| Xe 133 | 1.07 x 10 ¹ |
| Xe 135 | 3.19 x 10 ⁻¹ |
| I 131 | 1.45 x 10 ⁰ |
| I 132 | 4.44 x 10 ⁻² |
| I 133 | 1.34 x 10 ⁰ |
| I 135 | 3.78 x 10 ⁻¹ |
| Rb 88 | 3.23 x 10 ⁻² |
| Cs 134 | 1.53 x 10 ⁻² |
| Cs 137 | 1.10 x 10 ⁻² |
| Te 129 | 5.56 x 10 ⁻⁴ |
| Te 132 | 1.57 x 10 ⁻² |
| Ba 140 | 1.33 x 10 ⁻⁴ |
| La 140 | 9.57 x 10 ⁻⁵ |
| La 142 | 0.0 |
| Pr 144 | 2.02 x 10 ⁻⁵ |

REACTOR COOLANT ACTIVITY

T = 8 hours 30 minutes (1130)

| <u>Isotope</u> | <u>Activity ($\mu\text{Ci/cc}$)</u> |
|----------------|--|
| Kr 87 | 6.37×10^{-4} |
| Kr 88 | 1.62×10^{-2} |
| Xe 131m | 4.79×10^{-2} |
| Xe 133m | 9.07×10^{-2} |
| Xe 133 | 7.68×10^0 |
| Xe 135 | 2.32×10^{-1} |
| I 131 | 1.04×10^0 |
| I 132 | 2.65×10^{-2} |
| I 133 | 9.32×10^{-1} |
| I 135 | 2.45×10^{-1} |
| Rb 88 | 1.81×10^{-2} |
| Cs 134 | 1.10×10^{-2} |
| Cs 137 | 7.93×10^{-3} |
| Te 129 | 3.96×10^{-4} |
| Te 132 | 1.10×10^{-2} |
| Ba 140 | 9.54×10^{-5} |
| La 140 | 6.94×10^{-5} |
| La 142 | 0.0 |
| Pr 144 | 1.45×10^{-5} |

REACTOR COOLANT ACTIVITY

T = 9 hours 30 minutes (1230)

| <u>Isotope</u> | <u>Activity ($\mu\text{Ci/cc}$)</u> |
|----------------|--|
| Kr 87 | 2.66×10^{-4} |
| Kr 88 | 9.13×10^{-3} |
| Xe 131m | 3.44×10^{-2} |
| Xe 133m | 6.47×10^{-2} |
| Xe 133 | 5.51×10^0 |
| Xe 135 | 1.67×10^{-1} |
| I 131 | 7.49×10^{-1} |
| I 132 | 1.62×10^{-2} |
| I 133 | 6.50×10^{-1} |
| I 135 | 1.59×10^{-1} |
| Rb 88 | 1.02×10^{-2} |
| Cs 134 | 7.93×10^{-3} |
| Cs 137 | 5.71×10^{-3} |
| Te 129 | 2.83×10^{-4} |
| Te 132 | 7.99×10^{-3} |
| Ba 140 | 6.86×10^{-5} |
| La 140 | 5.03×10^{-5} |
| La 142 | 0.0 |
| Pr 144 | 1.05×10^{-5} |

REACTOR COOLANT ACTIVITY

T = 10 hours 30 minutes (1330)

| <u>Isotope</u> | <u>Activity (μCi/cc)</u> |
|----------------|--------------------------|
| Kr 87 | 1.11 x 10 ⁻⁴ |
| Kr 88 | 5.13 x 10 ⁻³ |
| Xe 131m | 2.48 x 10 ⁻² |
| Xe 133m | 4.61 x 10 ⁻² |
| Xe 133 | 3.95 x 10 ⁰ |
| Xe 135 | 1.20 x 10 ⁻¹ |
| I 131 | 5.38 x 10 ⁻¹ |
| I 132 | 1.01 x 10 ⁻² |
| I 133 | 4.53 x 10 ⁻¹ |
| I 135 | 1.03 x 10 ⁻¹ |
| Rb 88 | 5.74 x 10 ⁻³ |
| Cs 134 | 5.71 x 10 ⁻³ |
| Cs 137 | 4.11 x 10 ⁻³ |
| Te 129 | 2.03 x 10 ⁻⁴ |
| Te 132 | 5.71 x 10 ⁻³ |
| Ba 140 | 4.93 x 10 ⁻⁵ |
| La 140 | 3.65 x 10 ⁻⁵ |
| La 142 | 0.0 |
| Pr 144 | 7.54 x 10 ⁻⁶ |

REACTOR COOLANT ACTIVITY

T = 11 hours 30 minutes (1430)

| <u>Isotope</u> | <u>Activity ($\mu\text{Ci/cc}$)</u> |
|----------------|--|
| Kr 87 | 4.64×10^{-5} |
| Kr 88 | 2.89×10^{-3} |
| Xe 131m | 1.78×10^{-2} |
| Xe 133m | 3.29×10^{-2} |
| Xe 133 | 2.83×10^0 |
| Xe 135 | 8.50×10^{-2} |
| I 131 | 3.86×10^{-1} |
| I 132 | 6.45×10^{-3} |
| I 133 | 3.15×10^{-1} |
| I 135 | 6.69×10^{-2} |
| Rb 88 | 3.23×10^{-3} |
| Cs 134 | 4.11×10^{-3} |
| Cs 137 | 2.96×10^{-3} |
| Te 129 | 1.46×10^{-4} |
| Te 132 | 4.07×10^{-3} |
| Ba 140 | 3.54×10^{-5} |
| La 140 | 2.64×10^{-5} |
| La 142 | 0.0 |
| Pr 144 | 5.43×10^{-6} |

ENVIRONMENTAL DATA PACKAGE

Contents

Radiological Sampling and Monitoring Points Map

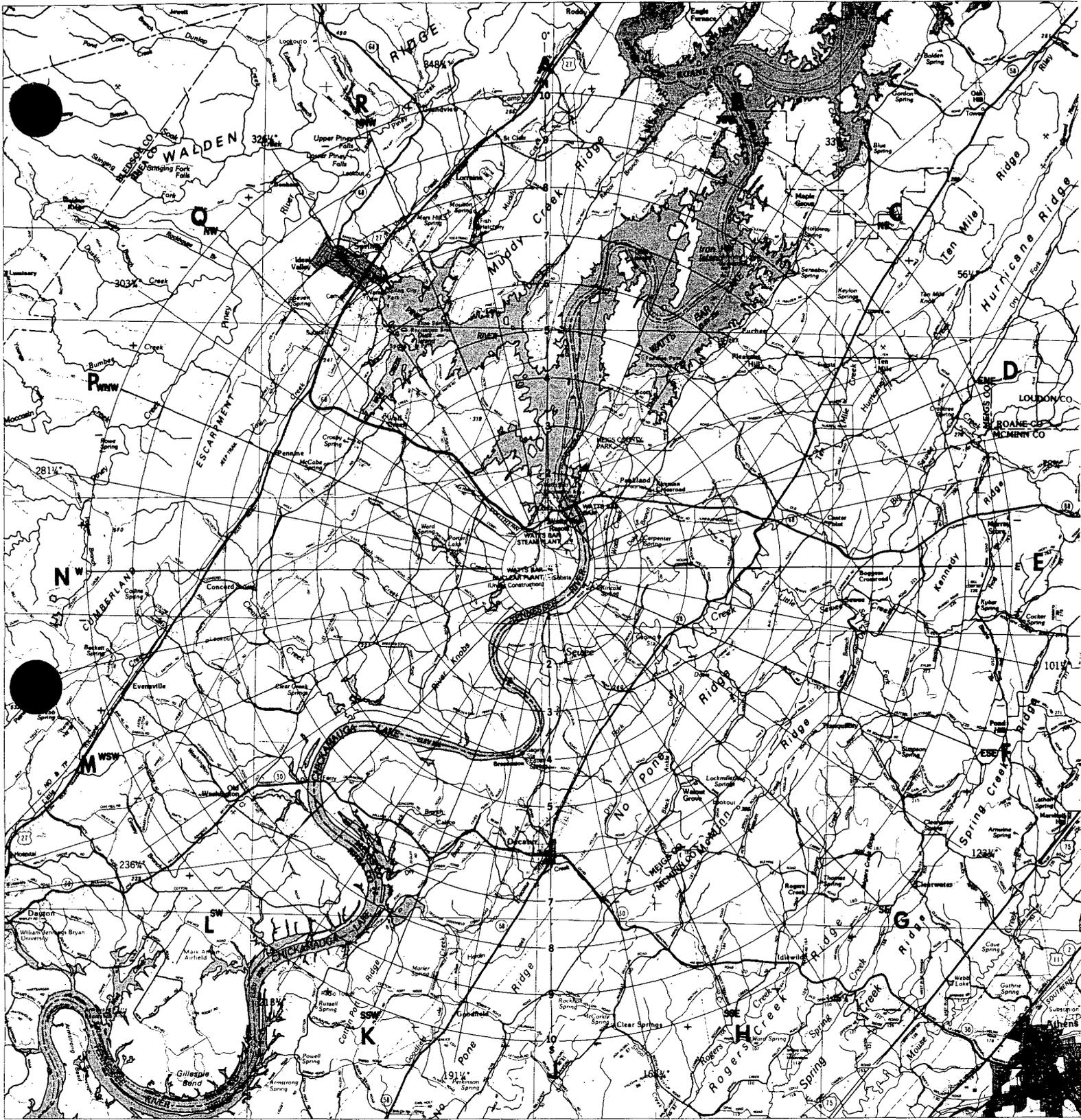
Ten-Mile EPZ with $22\frac{1}{2}$ Degree Segments Map

Environmental Monitoring Data

I-131 Concentrations for Soil and Vegetation

Controlled Dairies Map

I-131 Milk Concentrations for Samples Taken on Day Two of the Exercise (pCi/L)



0 1 2 3
SCALE OF MILES

10 MILE EPZ W/ 22 1/2 SEGMENTS

ENVIRONMENTAL MONITORING DATA

Time 1100 - 1115

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci}/\text{cc}$) |
|---|-------------|---------------|-------------|---------------|----------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector ESE+ | B | B | B | B | B | 3.3×10^{-10} |
| Onsite Sector SE- | B | B | B | B | B | 2.1×10^{-9} |
| Onsite Sector SE+ | B | B | B | B | B | 7×10^{-9} |
| Onsite Sector SSE- | 0.02 | B | 0.02 | B | B | 1.4×10^{-8} |
| Onsite Sector SSE+ | B | B | B | B | B | 5.6×10^{-9} |
| Onsite Sector S- | B | B | B | B | B | 3.3×10^{-10} |
| 1 Mile to 2 Mile Sector SE- | B | B | B | B | B | 4×10^{-10} |
| 1 Mile to 2 Mile Sector SE+ | B | B | B | B | B | 1×10^{-9} |
| 1 Mile to 2 Mile Sector SE- | B | B | B | B | B | 3.3×10^{-9} |
| Monitoring Point 1-1 | B | B | B | B | B | 5.2×10^{-9} |
| 1 Mile to 2 Mile Sector S- | B | B | B | B | B | 3.3×10^{-10} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1115 - 1130

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|---|-------------|---------------|-------------|---------------|----------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector ESE+ | B | B | B | B | B | 2×10^{-10} |
| Onsite Sector SE- | B | B | B | B | B | 5×10^{-10} |
| Onsite Sector SE+ | B | B | B | B | B | 8.9×10^{-9} |
| Onsite Sector SSE- | 0.38 | 0.28 | 0.39 | 0.30 | B | 3×10^{-7} |
| Onsite Sector SSE+ | B | B | B | B | B | 6.9×10^{-9} |
| Onsite Sector S- | B | B | B | B | B | 4.2×10^{-10} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 5.4×10^{-11} |
| 1 Mile to 2 Mile Sector SE- | B | B | B | B | B | 7.2×10^{-10} |
| 1 Mile to 2 Mile Sector SE+ | B | B | B | B | B | 2.7×10^{-9} |
| 1 Mile to 2 Mile Sector SSE- | B | B | B | B | B | 4.5×10^{-8} |
| 1 Mile to 2 Mile Sector SSE+ | B | B | B | B | B | 3.1×10^{-9} |
| 1 Mile to 2 Mile Sector S- | B | B | B | B | B | 1.3×10^{-10} |
| 2 Mile to 3 Mile Sector SE- | B | B | B | B | B | 4.1×10^{-10} |
| 2 Mile to 3 Mile Sector SE+ | B | B | B | B | B | 1.8×10^{-9} |
| 2 Mile to 3 Mile Sector SSE- | B | B | B | B | B | 3.2×10^{-8} |
| 2 Mile to 3 Mile Sector SSE+ | B | B | B | B | B | 4×10^{-9} |
| 2 Mile to 3 Mile Sector S- | B | B | B | B | B | 4.3×10^{-11} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1130 - 1145

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|---|-------------|---------------|-------------|---------------|----------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector E- | B | B | B | B | B | 4×10^{-10} |
| Onsite Sector E+ | 0.32 | 0.24 | 0.30 | 0.25 | B | 3.2×10^{-7} |
| Onsite Sector ESE- | 0.05 | 0.04 | 0.04 | 0.03 | B | 4.2×10^{-8} |
| Onsite Sector ESE+ | 0.04 | 0.03 | 0.04 | 0.03 | B | 4.5×10^{-8} |
| Onsite Sector SE- | B | B | B | B | B | 6.8×10^{-8} |
| Onsite Sector SE+ | B | B | B | B | B | 3.4×10^{-8} |
| Onsite Sector SSE- | B | B | B | B | B | 1.7×10^{-8} |
| Onsite Sector SSE+ | B | B | B | B | B | 1.9×10^{-10} |
| 1 Mile to 2 Mile Sector E- | B | B | B | B | B | 4.5×10^{-11} |
| 1 Mile to 2 Mile Sector E+ | 0.08 | 0.06 | 0.07 | 0.05 | B | 5.2×10^{-9} |
| 1 Mile to 2 Mile Sector ESE- | B | B | B | B | B | 4.5×10^{-9} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 3.7×10^{-9} |
| 1 Mile to 2 Mile Sector SE- | B | B | B | B | B | 5×10^{-9} |
| Monitoring Point 1-1 | B | B | B | B | B | 7.1×10^{-9} |
| 1 Mile to 2 Mile Sector SSE- | B | B | B | B | B | 2.6×10^{-9} |
| 1 Mile to 2 Mile Sector SSE+ | B | B | B | B | B | 2.6×10^{-11} |
| 2 Mile to 3 Mile Sector ESE- | B | B | B | B | B | 3×10^{-11} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 1.8×10^{-9} |
| 2 Mile to 3 Mile Sector SE- | B | B | B | B | B | 3.1×10^{-9} |
| Monitoring Point 3-7 | B | B | B | B | B | 3.4×10^{-9} |
| 2 Mile to 3 Mile Sector SSE- | B | B | B | B | B | 1.8×10^{-9} |
| 2 Mile to 3 Mile Sector SSE+ | B | B | B | B | B | 4×10^{-11} |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 5.1×10^{-10} |
| 3 Mile to 4 Mile Sector SE- | B | B | B | B | B | 2×10^{-9} |
| 3 Mile to 4 Mile Sector SE+ | B | B | B | B | B | 3.7×10^{-9} |
| 4 Mile to 5 Mile Sector ESE+ | B | B | B | B | B | 1.5×10^{-10} |
| 4 Mile to 5 Mile Sector SE- | B | B | B | B | B | 9.8×10^{-10} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1145 - 1200

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|------------------------------|-------------|---------------|-------------|---------------|-------------|-----------------------------|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Onsite Sector E+ | 0.10 | 0.08 | 0.09 | 0.07 | B | 1.5×10^{-8} |
| Onsite Sector ESE- | 0.46 | 0.31 | 0.42 | 0.33 | B | 3.9×10^{-7} |
| Onsite Sector ESE+ | 0.09 | 0.07 | 0.08 | 0.06 | B | 4.7×10^{-9} |
| Monitoring Point 2-4 | 0.09 | 0.07 | 0.08 | 0.07 | B | B |
| 1 Mile to 2 Mile Sector E+ | 0.06 | 0.05 | 0.05 | 0.04 | B | 4.2×10^{-9} |
| 1 Mile to 2 Mile Sector ESE- | B | B | B | B | B | 3.8×10^{-8} |
| 1 Mile to 2 Mile Sector ESE+ | 0.04 | 0.03 | 0.04 | 0.03 | B | B |
| 1 Mile to 2 Mile Sector E- | 0.85 | 0.70 | 0.75 | 0.60 | B | 3.3×10^{-10} |
| 2 Mile to 3 Mile Sector E+ | B | B | B | B | B | 4×10^{-9} |
| 2 Mile to 3 Mile Sector ESE- | B | B | B | B | B | 4.5×10^{-9} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 3×10^{-9} |
| 3 Mile to 4 Mile Sector E+ | 0.03 | 0.03 | 0.03 | 0.03 | B | B |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 3.7×10^{-9} |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 3×10^{-9} |
| 3 Mile to 4 Mile Sector SE- | B | B | B | B | B | 1.5×10^{-10} |
| 4 Mile to 5 Mile Sector ESE- | B | B | B | B | B | 3×10^{-10} |
| Monitoring Point 5-8 | B | B | B | B | B | 3×10^{-9} |
| 4 Mile to 5 Mile Sector SE- | B | B | B | B | B | 1.1×10^{-10} |
| 4 Mile to 5 Mile Sector SE+ | B | B | B | B | B | 6.9×10^{-10} |
| 5 Mile to 6 Mile Sector ESE- | B | B | B | B | B | 3.7×10^{-11} |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 3×10^{-9} |
| 5 Mile to 6 Mile Sector SE- | B | B | B | B | B | 2.2×10^{-9} |
| 5 Mile to 6 Mile Sector SE+ | B | B | B | B | B | 6.9×10^{-10} |
| 6 Mile to 7 Mile Sector ESE+ | B | B | B | B | B | 2.7×10^{-9} |

All other monitoring
locations-Background

0.02-0.04

0.02-0.04

0.02-0.04

0.02-0.04

0

 2×10^{-11} 5×10^{-11}

ENVIRONMENTAL MONITORING DATA

Time 1200 - 1215

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---|-------------|---------------|-------------|---------------|-------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Onsite Sector E+ | B | B | B | B | B | 3.8×10^{-10} |
| Onsite Sector ESE- | B | B | B | B | B | 2.6×10^{-8} |
| Onsite Sector ESE+ | 0.6 | 0.4 | 0.5 | 0.4 | B | 4.2×10^{-8} |
| Onsite Sector SE- | B | B | B | B | B | 2.2×10^{-8} |
| Onsite Sector SE+ | B | B | B | B | B | 7.8×10^{-9} |
| Onsite Sector SSE- | 0.25 | 0.20 | 0.21 | 0.17 | B | 2.2×10^{-7} |
| Onsite Sector SSE+ | 0.15 | 0.12 | 0.11 | 0.08 | B | 7.8×10^{-8} |
| Onsite Sector S- | B | B | B | B | B | 3.2×10^{-9} |
| 1 Mile to 2 Mile Sector E+ | B | B | B | B | B | 1.5×10^{-10} |
| 1 Mile to 2 Mile Sector ESE- | B | B | B | B | B | 2.1×10^{-8} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 8.9×10^{-9} |
| 1 Mile to 2 Mile Sector SE- | B | B | B | B | B | 1.1×10^{-8} |
| 1 Mile to 2 Mile Sector SE+ | B | B | B | B | B | 6.5×10^{-9} |
| 1 Mile to 2 Mile Sector SSE- | 0.13 | 0.10 | 0.09 | 0.07 | B | 2.3×10^{-8} |
| Monitoring Point 1-1 | 0.09 | 0.07 | 0.08 | 0.06 | B | 1.3×10^{-8} |
| 1 Mile to 2 Mile Sector S- | B | B | B | B | B | 7.9×10^{-10} |
| 2 Mile to 3 Mile Sector E+ | B | B | B | B | B | 6.9×10^{-11} |
| Monitoring Point 3-6 | B | B | B | B | B | 3.0×10^{-9} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 4.5×10^{-9} |
| 2 Mile to 3 Mile Sector SE- | B | B | B | B | B | 5×10^{-9} |
| Monitoring Point 3-7 | B | B | B | B | B | 3.7×10^{-9} |
| 2 Mile to 3 Mile Sector SSE- | B | B | B | B | B | 2.1×10^{-8} |
| Monitoring Point 4-9 | B | B | B | B | B | 2.1×10^{-10} |
| 2 Mile to 3 Mile Sector ESE- | B | B | B | B | B | 2.9×10^{-9} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 3×10^{-9} |
| Monitoring Point 5-6 | 0.06 | 0.05 | 0.05 | 0.05 | B | B |
| Monitoring Point 5-7 | B | B | B | B | B | 1.7×10^{-10} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1200 - 1215

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|--|-------------|---------------|-------------|---------------|-------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| 3 Mile to 4 Mile Sector ESE- Monitoring Point 5-8 | B | B | B | B | B | 1.4×10^{-10} |
| 4 Mile to 5 Mile Sector SE- Monitoring Point 6-3 | B | B | B | B | B | 3.8×10^{-9} |
| 5 Mile to 6 Mile Sector ESE+ Monitoring Point 7-10 | B | B | B | B | B | 1.1×10^{-9} |
| 5 Mile to 6 Mile Sector SE- Monitoring Point 7-11 and 7-12 | B | B | B | B | B | 1.1×10^{-10} |
| 6 Mile to 7 Mile Sector SE- Monitoring Point 7-11 and 7-12 | B | B | B | B | B | 4.2×10^{-9} |
| 7 Mile to 8 Mile Sector ESE+ Monitoring Point 7-11 and 7-12 | B | B | B | B | B | 2.5×10^{-9} |
| 7 Mile to 8 Mile Sector SE- Monitoring Point 7-11 and 7-12 | B | B | B | B | B | 4.4×10^{-10} |
| 7 Mile to 8 Mile Sector SE+ Monitoring Point 7-11 and 7-12 | B | B | B | B | B | 2.9×10^{-9} |
| 7 Mile to 8 Mile Sector SE+ Monitoring Point 7-11 and 7-12 | B | B | B | B | B | 4.5×10^{-10} |
| 7 Mile to 8 Mile Sector SE+ Monitoring Point 7-11 and 7-12 | B | B | B | B | B | 4.2×10^{-10} |
| 7 Mile to 8 Mile Sector SE+ Monitoring Point 7-11 and 7-12 | B | B | B | B | B | 2.7×10^{-9} |
| 7 Mile to 8 Mile Sector SE+ Monitoring Point 7-11 and 7-12 | B | B | B | B | B | 4.5×10^{-10} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1215 - 1230

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci}/\text{cc}$) |
|---|-------------|---------------|-------------|---------------|----------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector ESE+ | B | B | B | B | B | 2.4×10^{-8} |
| Onsite Sector SE- | 0.30 | 0.24 | 0.28 | 0.23 | B | 2.5×10^{-7} |
| Onsite Sector SE+ | B | B | B | B | B | 1.0×10^{-7} |
| Onsite Sector SSE- | B | B | B | B | B | 7.5×10^{-10} |
| Monitoring Point 1-1 | B | B | B | B | B | 4.5×10^{-9} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 3.9×10^{-9} |
| 1 Mile to 2 Mile Sector SE- | 0.07 | 0.05 | 0.06 | 0.05 | B | 3.0×10^{-8} |
| 1 Mile to 2 Mile Sector SE+ | B | B | B | B | B | 1.2×10^{-8} |
| 1 mile to 2 mile Sector SSE- | B | B | B | B | B | 1.5×10^{-9} |
| 1 mile to 2 mile Sector SSE+ | B | B | B | B | B | 9.7×10^{-10} |
| 1 mile to 2 mile Sector S- | B | B | B | B | B | 4.0×10^{-11} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 3.6×10^{-9} |
| 2 Mile to 3 Mile Sector SE- | B | B | B | B | B | 1.5×10^{-8} |
| Monitoring Point 3-7 | B | B | B | B | B | 6.9×10^{-9} |
| 2 Mile to 3 Mile Sector SSE- | B | B | B | B | B | 4.1×10^{-9} |
| 2 Mile to 3 Mile Sector SSE+ | B | B | B | B | B | 6.0×10^{-10} |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 1.5×10^{-10} |
| 3 Mile to 4 Mile Sector SE- | B | B | B | B | B | 1.1×10^{-8} |
| 3 Mile to 4 Mile Sector SE+ | B | B | B | B | B | 6.5×10^{-9} |
| Monitoring Point 4-10 | B | B | B | B | B | 6.0×10^{-9} |
| 3 Mile to 4 Mile Sector SSE- | B | B | B | B | B | 3.3×10^{-10} |
| Monitoring Point 5-8 | B | B | B | B | B | 2.7×10^{-9} |
| 4 Mile to 5 Mile Sector SE- | B | B | B | B | B | 6.0×10^{-9} |
| 4 Mile to 5 Mile Sector SE+ | B | B | B | B | B | 7.2×10^{-9} |
| 4 Mile to 5 Mile Sector SSE- | B | B | B | B | B | 8.0×10^{-9} |
| Monitoring Point 6-2 | B | B | B | B | B | 1.4×10^{-10} |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 3.0×10^{-9} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1215 - 1230

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|---------------------------------|-------------|---------------|-------------|---------------|----------------------|---|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| 5 Mile to 6 Mile Sector SE- | B | B | B | B | B | 5.0×10^{-9} |
| 5 Mile to 6 Mile Sector SE+ | B | B | B | B | B | 1.5×10^{-9} |
| Monitoring Point 6-4 | B | B | B | B | B | 1.1×10^{-10} |
| Monitoring Point 7-8 | B | B | B | B | B | 3×10^{-11} |
| Monitoring Point 7-9 | B | B | B | B | B | 1.1×10^{-9} |
| Monitoring Point 7-10 | B | B | B | B | B | 2.2×10^{-9} |
| 6 Mile to 7 Mile Sector SE- | B | B | B | B | B | 4.0×10^{-9} |
| Monitoring Points 7-11 and 7-12 | B | B | B | B | B | 8.0×10^{-10} |
| Monitoring Point 7-13 | B | B | B | B | B | 5.2×10^{-11} |
| Monitoring Points 8-10 and 8-11 | B | B | B | B | B | 1.5×10^{-9} |
| 7 Mile to 8 Mile Sector SE- | B | B | B | B | B | 3.0×10^{-9} |
| 7 Mile to 8 Mile Sector SE+ | B | B | B | B | B | 4.0×10^{-10} |
| 7 Mile to 8 Mile Sector SSE- | B | B | B | B | B | B |
| 8 Mile to 9 Mile Sector ESE+ | B | B | B | B | B | 5.0×10^{-10} |
| 8 Mile to 9 Mile Sector SE- | B | B | B | B | B | 2.0×10^{-9} |
| Monitoring Point 9-10 | B | B | B | B | B | 6.0×10^{-10} |
| 9 Mile to 10 Mile Sector ESE+ | B | B | B | B | B | 1.0×10^{-10} |
| Monitoring Point 10-7 | B | B | B | B | B | 1.1×10^{-9} |
| 9 Mile to 10 Mile Sector SE+ | B | B | B | B | B | 9.8×10^{-10} |

All other monitoring locations-Background

0.02-0.04 0.02-0.04 0.02-0.04 0.02-0.04 0 2×10^{-11} 5×10^{-11}

ENVIRONMENTAL MONITORING DATA

Time 1220 - 1245

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|------------------------------|-------------|---------------|-------------|---------------|----------------------|---|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector ESE+ | B | B | B | B | B | 3.1×10^{-9} |
| Onsite Sector SE- | 0.07 | 0.05 | 0.06 | 0.05 | B | 1.0×10^{-9} |
| Onsite Sector SE+ | 0.12 | 0.09 | 0.10 | 0.08 | B | 1.0×10^{-8} |
| Onsite Sector SSE- | 0.34 | 0.27 | 0.29 | 0.25 | B | 3.7×10^{-7} |
| Monitoring Point 1-1 | B | B | B | B | B | 5.1×10^{-10} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 3.1×10^{-9} |
| 1 Mile to 2 Mile Sector SE- | B | B | B | B | B | 8.0×10^{-10} |
| 1 Mile to 2 Mile Sector SE+ | B | B | B | B | B | 1.0×10^{-7} |
| 1 Mile to 2 Mile Sector SSE- | B | B | B | B | B | 4.2×10^{-8} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 3.2×10^{-10} |
| 2 Mile to 3 Mile Sector SE- | B | B | B | B | B | 4.5×10^{-9} |
| Monitoring Point 3-7 | B | B | B | B | B | 7.0×10^{-9} |
| 2 Mile to 3 Mile Sector SSE- | B | B | B | B | B | 2.1×10^{-9} |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 1.8×10^{-10} |
| 3 Mile to 4 Mile Sector SE- | B | B | B | B | B | 3.0×10^{-9} |
| 3 Miles to 4 Mile Sector SE+ | B | B | B | B | B | 5.0×10^{-9} |
| Monitoring Point 4-10 | B | B | B | B | B | 2.0×10^{-10} |
| Monitoring Point 5-8 | B | B | B | B | B | 5.0×10^{-11} |
| 4 Mile to 5 Mile Sector SE- | B | B | B | B | B | 2.9×10^{-9} |
| 4 Mile to 5 Mile Sector SE+ | B | B | B | B | B | 2.8×10^{-9} |
| 4 Mile to 5 Mile Sector SSE- | B | B | B | B | B | 2.9×10^{-10} |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 2.7×10^{-11} |
| 5 Mile to 6 Mile Sector SE- | B | B | B | B | B | 1.5×10^{-10} |
| 5 Mile to 6 Mile Sector SE+ | B | B | B | B | B | 8.1×10^{-9} |
| Monitoring Point 6-4 | B | B | B | B | B | 2.0×10^{-9} |
| Monitoring Point 7-10 | B | B | B | B | B | 2.7×10^{-10} |
| 6 Mile to 7 Mile Sector SE- | B | B | B | B | B | 7.0×10^{-9} |

| | | | | | | |
|---|-----------|-----------|-----------|-----------|---|--|
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |
|---|-----------|-----------|-----------|-----------|---|--|

ENVIRONMENTAL MONITORING DATA

Time 1230 - 1245

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|---------------------------------|-------------|---------------|-------------|---------------|----------------------|---|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Monitoring Points 7-11 and 7-12 | B | B | B | B | B | 4.0×10^{-9} |
| Monitoring Points 7-13 | B | B | B | B | B | 2.0×10^{-10} |
| Monitoring Points 8-10 and 8-11 | B | B | B | B | B | 2.7×10^{-9} |
| 7 Mile to 8 Mile Sector SE- | B | B | B | B | B | 3.5×10^{-9} |
| 7 Mile to 8 Mile Sector SE+ | B | B | B | B | B | 6.0×10^{-10} |
| 7 Mile to 8 Mile Sector SSE- | B | B | B | B | B | B |
| Monitoring Pts 9-8 and 9-9 | B | B | B | B | B | 1.1×10^{-10} |
| 8 Mile to 9 Mile Sector ESE+ | B | B | B | B | B | 8.9×10^{-10} |
| 8 Mile to 9 Mile Sector SE- | B | B | B | B | B | 2.8×10^{-9} |
| Monitoring Point 9-10 | B | B | B | B | B | 7.1×10^{-10} |
| 9 Mile to 10 Mile Sector ESE+ | B | B | B | B | B | 2.5×10^{-10} |
| Monitoring Point 10-7 | B | B | B | B | B | 2.1×10^{-9} |
| 9 Mile to 10 Mile Sector SE+ | B | B | B | B | B | 3.1×10^{-10} |

| | | | | | | |
|---|-----------|-----------|-----------|-----------|---|--|
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |
|---|-----------|-----------|-----------|-----------|---|--|

ENVIRONMENTAL MONITORING DATA

Time 1245 - 1300

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|---|-------------|---------------|-------------|---------------|----------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector E- | B | B | B | B | B | 2.5×10^{-10} |
| Onsite Sector E+ | B | B | B | B | B | 2.0×10^{-8} |
| Onsite Sector ESE- | 0.39 | 0.31 | 0.33 | 0.28 | B | 4.1×10^{-7} |
| Onsite Sector ESE+ | B | B | B | B | B | 2.1×10^{-8} |
| Onsite Sector SE- | 0.05 | 0.04 | 0.05 | 0.04 | B | 4.0×10^{-9} |
| Onsite Sector SE+ | B | B | B | B | B | 3.2×10^{-8} |
| Onsite Sector SSE- | B | B | B | B | B | 1.2×10^{-8} |
| Monitoring Point 1-1 | B | B | B | B | B | B |
| Monitoring Point 2-4 | B | B | B | B | B | B |
| 1 Mile to 2 Mile Sector E+ | B | B | B | B | B | 1.8×10^{-10} |
| 1 Mile to 2 Mile Sector ESE- | 0.05 | 0.04 | 0.05 | 0.04 | B | 4.8×10^{-7} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 7.0×10^{-9} |
| 1 Mile to 2 Mile Sector SE- | B | B | B | B | B | B |
| 1 Mile to 2 Mile Sector SE+ | B | B | B | B | B | 2.1×10^{-8} |
| 1 Mile to 2 Mile Sector SSE- | B | B | B | B | B | 5.0×10^{-9} |
| Monitoring Point 3-6 | 0.04 | B | 0.04 | B | B | 5.1×10^{-7} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 4.0×10^{-9} |
| 2 Mile to 3 Mile Sector SE- | B | B | B | B | B | 8.0×10^{-9} |
| Monitoring Point 3-7 | B | B | B | B | B | 5.0×10^{-9} |
| 2 Mile to 3 Mile Sector SSE- | B | B | B | B | B | 1.5×10^{-9} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 6.1×10^{-10} |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 3.0×10^{-9} |
| 3 Mile to 4 Mile Sector SE- | B | B | B | B | B | 7.0×10^{-9} |
| 3 Mile to 4 Mile Sector SE+ | B | B | B | B | B | 1.2×10^{-9} |
| Monitoring Point 4-10 | B | B | B | B | B | 1.0×10^{-10} |
| Monitoring Point 5-8 | B | B | B | B | B | 2.0×10^{-9} |
| 4 Mile to 5 Mile Sector SE- | B | B | B | B | B | 5.0×10^{-9} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1220 - 1245

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---|-------------|---------------|-------------|---------------|-------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| 4 Mile to 5 Mile Sector SE+ | B | B | B | B | B | 9.0×10^{-10} |
| 4 Mile to 5 Mile Sector SSE- | B | B | B | B | B | 5.0×10^{10} |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 1.0×10^{-9} |
| 5 Mile to 6 Mile Sector SE- | B | B | B | B | B | 4.1×10^{-9} |
| 5 Mile to 6 Mile Sector SE+ | B | B | B | B | B | 8.0×10^{-10} |
| Monitoring Point 6-4 | B | B | B | B | B | B |
| Monitoring Point 7-10 | B | B | B | B | B | 5.0×10^{-10} |
| 6 Mile to 7 Mile Sector SE- | B | B | B | B | B | 5.0×10^{-9} |
| Monitoring Points 7-11 and 7-12 | B | B | B | B | B | 5.0×10^{-9} |
| Monitoring Points 7-13 | B | B | B | B | B | 2.0×10^{-10} |
| Monitoirng Points 8-10 and 8-11 | B | B | B | B | B | 2.0×10^{-10} |
| 7 Mile to 8 Mile Sector SE- | B | B | B | B | B | 3.0×10^{-9} |
| 7 Mile to 8 Mile Sector SE+ | B | B | B | B | B | 3.4×10^{-9} |
| 7 Mile to 8 Mile Sector SSE- | B | B | B | B | B | 7.1×10^{-9} |
| 8 Mile to 9 Mile Sector ESE+ | B | B | B | B | B | 5.0×10^{-9} |
| 8 Mile to 9 Mile Sector SE- | B | B | B | B | B | 3.0×10^{-9} |
| Monitoring Point 9-10 | B | B | B | B | B | 1.2×10^{-10} |
| 9 Mile to 10 Mile Sector ESE+ | B | B | B | B | B | 2.1×10^{-9} |
| Monitoring Point 10-7 | B | B | B | B | B | 3.0×10^{-7} |
| 9 Mile to 10 Mile Sector SE+ | B | B | B | B | B | 7.0×10^{-10} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1300 - 1315

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|------------------------------|-------------|---------------|-------------|---------------|-------------|-----------------------------|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Onsite Sector E- | B | B | B | B | B | 1.0×10^{-10} |
| Onsite Sector ESE- | B | B | B | B | B | 3.1×10^{-8} |
| Onsite Sector ESE+ | 0.14 | 0.11 | 0.12 | 0.09 | B | 1.5×10^{-7} |
| Onsite Sector SE- | 0.19 | 0.15 | 0.16 | 0.12 | B | 1.0×10^{-7} |
| Onsite Sector SE+ | 0.10 | 0.08 | 0.09 | 0.07 | B | 2.0×10^{-9} |
| 1 Mile 2 Mile Sector E+ | B | B | B | B | B | 2.1×10^{-9} |
| 1 Mile to 2 Mile Sector ESE- | B | B | B | B | B | 1.0×10^{-8} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | B |
| 1 Mile to 2 Mile Sector SE- | 0.11 | 0.08 | 0.07 | 0.06 | B | 2.4×10^{-9} |
| 1 Mile to 2 Mile Sector SE+ | B | B | B | B | B | 1.7×10^{-10} |
| 2 Mile to 3 Mile Sector E+ | B | B | B | B | B | 4.1×10^{-10} |
| Monitoring Point 3-6 | B | B | B | B | B | 3.0×10^{-9} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 1.5×10^{-8} |
| 2 Mile to 3 Mile Sector SE- | B | B | B | B | B | 5.0×10^{-9} |
| Monitoring Point 4-9 | B | B | B | B | B | 3.1×10^{-10} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 3.0×10^{-9} |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 6.0×10^{-9} |
| 3 Mile to 4 Mile Sector SE- | B | B | B | B | B | 4.5×10^{-9} |
| 4 Mile to 5 Mile Sector ESE- | B | B | B | B | B | 3.0×10^{-10} |
| Monitoring Point 5-8 | B | B | B | B | B | 5.5×10^{-9} |
| 4 Mile to 5 Mile Sector, SE- | B | B | B | B | B | 5.0×10^{-9} |
| Monitoring Point 6-3 | B | B | B | B | B | B |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 5.0×10^{-9} |
| 5 Mile to 6 Mile Sector SE- | B | B | B | B | B | 6.0×10^{-9} |
| 5 Mile to 6 Mile Sector SE+ | B | B | B | B | B | 1.2×10^{-10} |
| Monitoring Point 6-3 | B | B | B | B | B | 4.8×10^{-9} |
| 6 Mile to 7 Mile Sector SE- | B | B | B | B | B | 5.0×10^{-9} |

All other monitoring locations-Background

0.02-0.04

0.02-0.04

0.02-0.04

0.02-0.04

0

2×10^{-11}

5×10^{-11}

ENVIRONMENTAL MONITORING DATA

Time 1300 - 1315

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---------------------------------|-------------|---------------|-------------|---------------|-------------|-----------------------------|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Monitoring Points 7-11 and 7-12 | B | B | B | B | B | 1.1×10^{-10} |
| Monitoring Points 8-10 and 8-11 | B | B | B | B | B | 1.2×10^{-9} |
| 7 Mile to 8 Mile Sector SE- | B | B | B | B | B | 3.0×10^{-9} |
| 7 Mile to 8 Mile Sector SE+ | B | B | B | B | B | B |
| 8 Mile to 9 Mile Sector ESE+ | B | B | B | B | B | 1.2×10^{-9} |
| 8 Mile to 9 Mile Sector SE- | B | B | B | B | B | 4.0×10^{-9} |
| Monitoring Point 9-10 | B | B | B | B | B | 3.0×10^{-10} |
| 9 Mile to 10 Mile Sector ESE+ | B | B | B | B | B | 1.2×10^{-9} |
| Monitoring Point 10-7 | B | B | B | B | B | 5.0×10^{-9} |
| 9 Mile to 10 Mile Sector SE+ | B | B | B | B | B | 1.5×10^{-9} |
| Monitoring Point 10-8 | B | B | B | B | B | B |

| | | | | | | |
|---|-----------|-----------|-----------|-----------|---|--|
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |
|---|-----------|-----------|-----------|-----------|---|--|

ENVIRONMENTAL MONITORING DATA

Time 1315 - 1330

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---|-------------|---------------|-------------|---------------|-------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Onsite Sector ESE+ | B | B | B | B | B | 5.0×10^{-9} |
| Onsite Sector SE- | B | B | B | B | B | 1.0×10^{-8} |
| Onsite Sector SE+ | 0.06 | 0.05 | 0.05 | 0.04 | B | 2.0×10^{-8} |
| Onsite Sector SSE- | 0.07 | 0.05 | 0.06 | 0.05 | B | 6.9×10^{-8} |
| Monitoring Point 1-1 | B | B | B | B | B | 2.2×10^{-8} |
| Onsite Sector S- | 0.41 | 0.33 | 0.35 | 0.28 | B | 4.5×10^{-7} |
| Onsite Sector S+ | 1.10 | 0.74 | 0.81 | 0.60 | B | 1.1×10^{-6} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 2.8×10^{-9} |
| 1 Mile to 2 Mile Sector SE- | B | B | B | B | B | 7.0×10^{-9} |
| 1 Mile to 2 Mile Sector SE+ | B | B | B | B | B | 8.0×10^{-9} |
| 1 Mile to 2 Mile Sector SSE- | B | B | B | B | B | 3.1×10^{-8} |
| 1 Mile to 2 Mile Sector SSE+ | B | B | B | B | B | 4.2×10^{-9} |
| 1 Mile to 2 Mile Sector S- | 0.32 | 0.26 | 0.28 | 0.24 | B | 3.2×10^{-7} |
| Monitoring Point 2-5 | B | B | B | B | B | 3.5×10^{-9} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 4.0×10^{-10} |
| 2 Mile to 3 Mile Sector SE- | B | B | B | B | B | 3.0×10^{-9} |
| Monitoring Point 3-7 | B | B | B | B | B | 7.0×10^{-9} |
| 2 Mile to 3 Mile Sector SSE- | B | B | B | B | B | 7.0×10^{-9} |
| 2 Mile to 3 Mile Sector SSE+ | B | B | B | B | B | 9.0×10^{-10} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | B |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 2.0×10^{-9} |
| 3 Mile to 4 Mile Sector SE- | B | B | B | B | B | 6.0×10^{-9} |
| 3 Mile to 4 Mile Sector SE+ | B | B | B | B | B | 1.2×10^{-9} |
| Monitoring Point 4-10 | B | B | B | B | B | 1.2×10^{-9} |
| 4 Mile to 5 Mile Sector ESE- | B | B | B | B | B | 5.0×10^{-11} |
| Monitoring Point 5-8 | B | B | B | B | B | 4.0×10^{-9} |
| 4 Mile to 5 Mile Sector SE- | B | B | B | B | B | 7.0×10^{-9} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1315 - 1330

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|--|-------------|---------------|-------------|---------------|-------------|-----------------------------|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| 4 Mile to 5 Mile Sector SE+ Monitoring Point 6-3 | B | B | B | B | B | 1.8×10^{-10} |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 6.0×10^{-10} |
| 5 Mile to 6 Mile Sector SE- | B | B | B | B | B | 5.0×10^{-9} |
| 5 Mile to 6 Mile Sector SE+ Monitoring Point 7-10 | B | B | B | B | B | 8.1×10^{-11} |
| 6 Mile to 7 Mile Sector SE- Monitoring Points 7-11 and 7-12 | B | B | B | B | B | 4.1×10^{-11} |
| Monitoring Points 8-10 and 8-11 | B | B | B | B | B | 7.0×10^{-10} |
| 7 Mile to 8 Mile Sector SE- 7 Mile to 8 Mile Sector SE+ | B | B | B | B | B | 5.0×10^{-9} |
| 8 Mile to 9 Mile Sector ESE+ | B | B | B | B | B | 6.0×10^{-10} |
| 8 Mile to 9 Mile Sector SE- Monitoring Point 9-10 | B | B | B | B | B | 3.5×10^{-9} |
| 9 Mile to 10 Mile Sector ESE+ | 1.10 | 0.74 | 0.81 | 0.60 | B | 2.1×10^{-10} |
| Monitoring Point 10-7 | B | B | B | B | B | 4.0×10^{-10} |
| 9 Mile to 10 Mile Sector SE+ | B | B | B | B | B | 4.0×10^{-9} |
| | | | | | | 5.1×10^{-10} |
| | | | | | | 1.1×10^{-10} |
| | | | | | | 2.2×10^{-9} |
| | | | | | | 1.0×10^{-9} |

All other monitoring
locations-Background

0.02-0.04

0.02-0.04

0.02-0.04

0.02-0.04

0

2×10^{-11}

5×10^{-11}

ENVIRONMENTAL MONITORING DATA

Time 1330 - 1345

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|------------------------------|-------------|---------------|-------------|---------------|----------------------|---|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Monitoring Point 1-1 | 1.40 | 1.10 | 1.20 | 0.90 | B | 1.3×10^{-6} |
| Onsite Sector S- | B | B | B | B | B | 5.3×10^{-7} |
| Onsite Sector S+ | B | B | B | B | B | 1.9×10^{-9} |
| 1 Mile to 2 Mile Sector SSE- | 0.16 | 0.12 | 0.11 | 0.08 | B | 1.8×10^{-7} |
| 1 Mile to 2 Mile Sector S- | 0.13 | 0.10 | 0.10 | 0.09 | B | 1.2×10^{-7} |
| Monitoring Point 2-5 | B | B | B | B | B | 4.0×10^{-9} |
| Monitoring Point 3-7 | B | B | B | B | B | 1.8×10^{-10} |
| 2 Mile to 3 Mile Sector SSE- | B | B | B | B | B | 3.2×10^{-10} |
| 2 Mile to 3 Mile Sector SSE+ | 0.04 | B | 0.04 | B | B | 1.7×10^{-8} |
| Monitoring Point 3-8 | B | B | B | B | B | 2.6×10^{-8} |
| 2 Mile to 3 Mile Sector S+ | B | B | B | B | B | 7.0×10^{-9} |
| 3 Mile to 4 Mile Sector SE- | B | B | B | B | B | 1.7×10^{-10} |
| 3 Mile to 4 Mile Sector SE+ | B | B | B | B | B | 2.2×10^{-9} |
| Monitoring Point 4-10 | B | B | B | B | B | 5.0×10^{-9} |
| 3 Mile to 4 Mile Sector SSE+ | B | B | B | B | B | 5.0×10^{-8} |
| 3 Mile to 4 Mile Sector S- | B | B | B | B | B | 1.2×10^{-3} |
| 3 Mile to 4 Mile Sector S+ | B | B | B | B | B | 4.1×10^{-9} |
| 4 Mile to 5 Mile Sector SE- | B | B | B | B | B | 4.2×10^{-10} |
| 4 Mile to 5 Mile Sector SE+ | B | B | B | B | B | 4.2×10^{-9} |
| 4 Mile to 5 Mile Sector SSE- | B | B | B | B | B | 4.3×10^{-9} |
| 4 Mile to 5 Mile Sector SSE+ | B | B | B | B | B | 5.2×10^{-9} |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 2.0×10^{-10} |
| 5 Mile to 6 Mile Sector SE- | B | B | B | B | B | 1.5×10^{-9} |
| 5 Mile to 6 Mile Sector SE+ | B | B | B | B | B | 4.2×10^{-9} |
| Monitoring Point 6-4 | B | B | B | B | B | 2.8×10^{-9} |
| Monitoring Point 6-5 | B | B | B | B | B | 2.7×10^{-11} |
| 6 Mile to 7 Mile Sector SE- | B | B | B | B | B | 1.1×10^{-9} |

| | | | | | | |
|---|-----------|-----------|-----------|-----------|---|--|
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |
|---|-----------|-----------|-----------|-----------|---|--|

ENVIRONMENTAL MONITORING DATA

Time 1330 - 1345

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---------------------------------|-------------|---------------|-------------|---------------|-------------|-----------------------------|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Monitoring Points 7-11 and 7-12 | B | B | B | B | B | 4.3×10^{-9} |
| Monitoring Point 7-13 | B | B | B | B | B | 3.0×10^{-10} |
| 7 Mile to 8 Mile Sector SE- | B | B | B | B | B | 7.0×10^{-10} |
| 7 Mile to 8 Mile Sector SE+ | B | B | B | B | B | 4.4×10^{-9} |
| 7 Mile to 8 Mile Sector SSE- | B | B | B | B | B | 2.7×10^{-10} |
| 9 Mile to 10 Mile Sector SE+ | B | B | B | B | B | 1.4×10^{-9} |
| 8 Mile to 9 Mile Sector SE- | B | B | B | B | B | 6.5×10^{-10} |
| Monitoring Point 9-10 | B | B | B | B | B | 3.0×10^{-9} |
| 8 Mile to 9 Mile Sector SSE- | B | B | B | B | B | 7.9×10^{-10} |
| Monitoring Point 10-7 | B | B | B | B | B | 6.0×10^{-10} |
| Monitoring Point 10-8 | B | B | B | B | B | 4.0×10^{-11} |

| | | | | | | |
|---|-----------|-----------|-----------|-----------|---|--|
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |
|---|-----------|-----------|-----------|-----------|---|--|

ENVIRONMENTAL MONITORING DATA

Time 1345 - 1400

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---|-------------|---------------|-------------|---------------|-------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Onsite Sector ESE+ | 0.95 | 0.74 | 0.82 | 0.65 | B | 1.0×10^{-6} |
| Onsite Sector SE- | 0.68 | 0.54 | 0.60 | 0.48 | B | 4.3×10^{-7} |
| Onsite Sector SE+ | B | B | B | B | B | 1.2×10^{-7} |
| Onsite Sector SSE- | 0.14 | 0.11 | 0.12 | 0.10 | B | 1.5×10^{-7} |
| Monitoring Point 1-1 | 0.09 | 0.07 | 0.08 | 0.07 | B | 1.0×10^{-7} |
| Onsite Sector S- | B | B | B | B | B | 8.2×10^{-9} |
| Onsite Sector S+ | B | B | B | B | B | B |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 2.1×10^{-8} |
| 1 Mile to 2 Mile Sector SE- | 0.27 | 0.22 | 0.23 | 0.20 | B | 2.1×10^{-7} |
| 1 Mile to 2 Mile Sector SE+ | 0.07 | 0.06 | 0.06 | 0.05 | B | 8.0×10^{-8} |
| 1 Mile to 2 Mile Sector SSE- | 0.07 | 0.05 | 0.06 | 0.05 | B | 2.1×10^{-8} |
| 1 Mile to 2 Mile Sector SSE+ | B | B | B | B | B | 4.0×10^{-8} |
| 1 Mile to 2 Mile Sector S- | B | B | B | B | B | 5.0×10^{-9} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 2.2×10^{-10} |
| 2 Mile to 3 Mile Sector SE- | B | B | B | B | B | 2.1×10^{-10} |
| Monitoring Point 3-7 | B | B | B | B | B | 5.0×10^{-9} |
| 2 Mile to 3 Mile Sector SSE- | b | B | B | B | B | 6.9×10^{-9} |
| 2 Mile to 3 Mile Sector SSE+ | B | B | B | B | B | 5.0×10^{-9} |
| Monitoring Point 3-8 | B | B | B | B | B | 1.3×10^{-9} |
| 3 Mile to 4 Mile Sector SE+ | B | B | B | B | B | 4.0×10^{-10} |
| Monitoring Point 4-10 | B | B | B | B | B | 3.2×10^{-10} |
| 3 Mile to 4 Mile Sector SSE+ | B | B | B | B | B | 7.2×10^{-9} |
| 3 Mile to 4 Mile Sector S- | B | B | B | B | B | 3.1×10^{-9} |
| 4 Mile to 5 Mile Sector SE+ | B | B | B | B | B | 3.2×10^{-10} |
| 4 Mile to 5 Mile Sector SSE- | B | B | B | B | B | 5.8×10^{-10} |
| 4 Mile to 5 Mile Sector SSE+ | B | B | B | B | B | 5.8×10^{-10} |
| 5 Mile to 6 Mile Sector SE+ | B | B | B | B | B | 5.0×10^{-10} |
| Monitoring Point 6-4 | B | B | B | B | B | 6.2×10^{-10} |
| Monitoring Point 6-5 | B | B | B | B | B | 1.8×10^{-10} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1345 - 1400

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---------------------------------|-------------|---------------|-------------|---------------|-------------|-----------------------------|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Monitoring Pionts 7-11 and 7-12 | B | B | B | B | B | 1.8×10^{-9} |
| Monitoring Point 7-13 | B | B | B | B | B | 3.2×10^{-9} |
| 7 Mile to 8 Mile Sector SE- | B | B | B | B | B | 7.0×10^{-10} |
| 7 Mile to 8 Mile Sector SE+ | B | B | B | B | B | 3.2×10^{-9} |
| 7 Mile to 8 Mile Sector SSE- | B | B | B | B | B | 4.8×10^{-10} |
| 8 Mile to 9 Mile Sector SE- | B | B | B | B | B | 7.5×10^{-10} |
| Monitoring Point 9-10 | B | B | B | B | B | 2.8×10^{-9} |
| 8 Mile to 9 Mile Sector SSE- | B | B | B | B | B | 5.8×10^{-10} |
| Monitoring Point 10-7 | B | B | B | B | B | 8.0×10^{-11} |
| 9 Mile to 10 Mile Sector SE+ | B | B | B | B | B | 2.2×10^{-9} |
| Monitoring Point 10-8 | B | B | B | B | B | 2.4×10^{-9} |

| | | | | | | |
|---|-----------|-----------|-----------|-----------|---|--|
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |
|---|-----------|-----------|-----------|-----------|---|--|

ENVIRONMENTAL MONITORING DATA

Time 1400 - 1415

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|---|-------------|---------------|-------------|---------------|----------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector E- | 0.07 | 0.05 | 0.06 | 0.05 | B | 4.0×10^{-9} |
| Onsite Sector E+ | 0.10 | 0.08 | 0.09 | 0.07 | B | 4.0×10^{-7} |
| Onsite Sector ESE- | 0.52 | 0.45 | 0.42 | 0.37 | B | 4.5×10^{-7} |
| Onsite Sector ESE+ | 0.26 | 0.21 | 0.22 | 0.18 | B | 2.4×10^{-7} |
| Monitoring Point 2-4 | B | B | B | B | B | 5.0×10^{-11} |
| 1 Mile to 2 Mile Sector E+ | 0.45 | 0.38 | 0.40 | 0.35 | B | 3.5×10^{-7} |
| 1 Mile to 2 Mile Sector ESE- | B | B | B | B | B | 3.9×10^{-8} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 5.0×10^{-8} |
| 1 Mile to 2 Mile Sector SE- | B | B | B | B | B | 1.8×10^{-8} |
| Monitoring Point 3-6 | B | B | B | B | B | 4.2×10^{-9} |
| 2 Mile to 3 Mile Sector ESE+ | b | B | B | B | B | 1.2×10^{-8} |
| 2 Mile to 3 Mile Sector SE- | B | B | B | B | B | 2.6×10^{-9} |
| Monitoring Point 3-7 | B | B | B | B | B | 1.7×10^{-9} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 5.0×10^{-11} |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 3.7×10^{-9} |
| 3 Mile to 4 Mile Sector SE- | B | B | B | B | B | 2.8×10^{-9} |
| 3 Mile to 4 Mile Sector SE+ | B | B | B | B | B | 6.0×10^{-9} |
| Monitoring Point 4-10 | B | B | B | B | B | 8.1×10^{-10} |
| 4 Mile to 5 Mile Sector SE- | B | B | B | B | B | 4.2×10^{-10} |
| 4 Mile to 5 Mile Sector SE+ | B | B | B | B | B | 6.0×10^{-9} |
| 4 Mile to 5 Mile Sector SSE- | B | B | B | B | B | 7.6×10^{-10} |
| 5 Mile to 6 Mile Sector SE+ | B | B | B | B | B | 6.0×10^{-9} |
| Monitoring Point 6-4 | B | B | B | B | B | 8.1×10^{-9} |
| Monitoring Points 7-11 and 7-12 | B | B | B | B | B | 5.8×10^{-9} |
| Monitoring Point 7-13 | B | B | B | B | B | 7.8×10^{-10} |
| 7 Mile to 8 Mile Sector SE- | B | B | B | B | B | 3.0×10^{-10} |
| 7 Mile to 8 Mile Sector SE+ | B | B | B | B | B | 5.1×10^{-9} |
| 7 Mile to 8 Mile Sector SSE- | B | B | B | B | B | 6.2×10^{-10} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1415 - 1430

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---|-------------|---------------|-------------|---------------|-------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Onsite Sector E+ | 0.08 | 0.06 | 0.07 | 0.05 | B | B |
| Onsite Sector ESE- | 1.30 | 0.95 | 1.01 | 0.82 | B | 1.1×10^{-6} |
| Onsite Sector ESE+ | 0.09 | 0.07 | 0.07 | 0.06 | B | 6.0×10^{-9} |
| 1 Mile to 2 Mile Sector E+ | B | B | B | B | B | 5.0×10^{-9} |
| 1 Mile to 2 Mile Sector ESE- | 0.20 | 0.15 | 0.16 | 0.12 | B | 2.1×10^{-8} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 7.2×10^{-11} |
| 2 Mile to 3 Mile Sector E+ | B | B | B | B | B | 1.2×10^{-8} |
| Monitoring Point 3-6 | B | B | B | B | B | 2.0×10^{-8} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 7.0×10^{-9} |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 8.1×10^{-10} |
| Monitoring Point 5-8 | B | B | B | B | B | 1.2×10^{-9} |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 3.2×10^{-9} |
| 5 Mile to 6 Mile Sector SE- | B | B | B | B | B | 5.1×10^{-9} |
| 5 Mile to 6 Mile Sector SE+ | B | B | B | B | B | 1.8×10^{-9} |
| Monitoring Point 6-4 | B | B | B | B | B | 1.8×10^{-10} |
| 6 Mile to 7 Mile Sector SE- | B | B | B | B | B | 6.1×10^{-10} |
| Monitoring Points 7-11 and 7-12 | B | B | B | B | B | 1.8×10^{-9} |
| Monitoring Point 7-13 | B | B | B | B | B | 5.0×10^{-11} |
| 7 Mile to 8 Mile Sector SE- | B | B | B | B | B | 3.2×10^{-10} |
| 7 Mile to 8 Mile Sector SE+ | B | B | B | B | B | 1.8×10^{-9} |
| 7 Mile to 8 Mile Sector SSE- | B | B | B | B | B | 2.0×10^{11} |
| 8 Mile to 9 Mile Sector SE- | B | B | B | B | B | 4.8×10^{-10} |
| Monitoring Point 9-10 | B | B | B | B | B | 3.1×10^{-10} |
| 9 Mile to 10 Mile Sector ESE+ | B | B | B | B | B | 2.7×10^{-10} |
| Monitoring Point 10-7 | B | B | B | B | B | 3.0×10^{-9} |
| 9 Mile to 10 Mile Sector SE+ | B | B | B | B | B | 4.0×10^{-11} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1430 - 1445

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---|-------------|---------------|-------------|---------------|-------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Onsite Sector E- | 0.09 | 0.07 | 0.08 | 0.06 | B | B |
| Onsite Sector E+ | 0.61 | 0.48 | 0.51 | 0.42 | B | 5.1×10^{-7} |
| Onsite Sector ESE- | B | B | B | B | B | 2.7×10^{-8} |
| Onsite Sector ESE+ | B | B | B | B | B | 2.7×10^{-10} |
| Monitoring Point 2-4 | B | B | B | B | B | 6.1×10^{-10} |
| 1 Mile to 2 Mile Sector E+ | 0.32 | 0.26 | 0.28 | 0.23 | B | 2.0×10^{-7} |
| 1 Mile to 2 Mile Sector ESE- | B | B | B | B | B | 2.9×10^{-8} |
| 2 Mile to 3 Mile Sector E+ | B | B | B | B | B | 7.0×10^{-9} |
| Monitoring Point 3-6 | B | B | B | B | B | 3.1×10^{-8} |
| Monitoring Point 4-9 | B | B | B | B | B | 7.0×10^{-9} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 1.2×10^{-8} |
| Monitoring Point 5-7 | B | B | B | B | B | 7.0×10^{-9} |
| 4 Mile to 5 Mile Sector ESE- | B | B | B | B | B | 8.2×10^{-9} |
| 5 Mile to 6 Mile Sector E+ | B | B | B | B | B | 7.5×10^{-10} |
| Monitoring Point 6-3 | B | B | B | B | B | 6.9×10^{-9} |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 1.6×10^{-10} |
| 5 Mile to 6 Mile Sector SE- | B | B | B | B | B | 3.1×10^{-10} |
| Monitoring Point 7-10 | B | B | B | B | B | 5.2×10^{-10} |
| 6 Mile to 7 Mile Sector SE- | B | B | B | B | B | 2.1×10^{-9} |
| Monitoring Points 8-10 and 8-11 | B | B | B | B | B | 2.1×10^{-9} |
| 7 Mile to 8 Mile Sector SE- | B | B | B | B | B | 4.8×10^{-9} |
| 7 Mile to 8 Mile Sector SE+ | B | B | B | B | B | 1.2×10^{-10} |
| 8 Mile to 9 Mile Sector ESE+ | B | B | B | B | B | 8.2×10^{-10} |
| 8 Mile to 9 Mile Sector E- | B | B | B | B | B | 4.0×10^{-9} |
| Monitoring Point 9-10 | B | B | B | B | B | 3.8×10^{-10} |
| 9 Mile to 10 Mile Sector ESE+ | B | B | B | B | B | 1.6×10^{-10} |
| Monitoring Point 10-7 | B | B | B | B | B | 3.1×10^{-9} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1445 - 1500

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---------------------------------|-------------|---------------|-------------|---------------|-------------|-----------------------------|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Onsite Sector E+ | 0.40 | 0.30 | 0.32 | 0.26 | B | 4.8×10^{-7} |
| Onsite Sector E- | 0.60 | 0.46 | 0.48 | 0.39 | B | 5.0×10^{-7} |
| Monitoring Point 2-4 | B | B | B | B | B | 1.1×10^{-10} |
| 1 Mile to 2 Mile Sector E+ | 0.31 | 0.26 | 0.28 | 0.24 | B | 2.1×10^{-7} |
| 1 Mile to 2 Mile Sector ESE- | 0.07 | 0.06 | 0.06 | 0.05 | B | 5.1×10^{-8} |
| 2 Mile to 3 Mile Sector E+ | B | B | B | B | B | 1.2×10^{-8} |
| Monitoring Point 4-9 | B | B | B | B | B | 1.8×10^{-8} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 7.1×10^{-10} |
| Monitoring Point 5-7 | B | B | B | B | B | 1.2×10^{-8} |
| 4 Mile to 5 Mile Sector ESE- | B | B | B | B | B | 3.2×10^{-9} |
| 5 Mile to 6 Mile Sector E+ | B | B | B | B | B | 1.4×10^{-8} |
| Monitoring Point 6-3 | B | B | B | B | B | 8.0×10^{-9} |
| Monitoring Point 7-8 | B | B | B | B | B | 1.8×10^{-9} |
| Monitoring Point 7-9 | B | B | B | B | B | 7.0×10^{-9} |
| Monitoring Point 8-9 | B | B | B | B | B | 4.2×10^{-10} |
| 7 Mile to 8 Mile Sector ESE- | B | B | B | B | B | 6.0×10^{-9} |
| Monitoring Points 8-10 and 8-11 | B | B | B | B | B | 1.3×10^{-9} |
| 7 Mile to 8 Mile Sector SE- | B | B | B | B | B | 8.1×10^{-10} |
| 8 Mile to 9 Mile Sector ESE+ | B | B | B | B | B | 1.7×10^{-9} |
| 8 Mile to 9 Mile Sector SE- | B | B | B | B | B | 1.2×10^{-9} |
| 9 Mile to 10 Mile Sector ESE+ | B | B | B | B | B | 2.0×10^{-9} |
| Monitoring Point 10-7 | B | B | B | B | B | 3.2×10^{-9} |

All other monitoring
locations-Background

0.02-0.04

0.02-0.04

0.02-0.04

0.02-0.04

0

2×10^{-11}

5×10^{-11}

ENVIRONMENTAL MONITORING DATA

Time 1500 - 1515

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci}/\text{cc}$) |
|---|-------------|---------------|-------------|---------------|----------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector E- | B | B | B | B | B | 1.2×10^{-10} |
| Onsite Sector E+ | B | B | B | B | B | 1.2×10^{-9} |
| Onsite Sector ESE- | 0.76 | 0.61 | 0.64 | 0.56 | B | 5.1×10^{-7} |
| Onsite Sector ESE+ | 0.04 | B | B | B | B | 6.5×10^{-9} |
| 1 Mile to 2 Mile Sector E+ | B | B | B | B | B | 3.5×10^{-9} |
| 1 Mile to 2 Mile Sector ESE- | 0.45 | 0.38 | 0.40 | 0.34 | B | 5.2×10^{-8} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 8.0×10^{-10} |
| 2 Mile to 3 Mile Sector E+ | B | B | B | B | B | 3.5×10^{-9} |
| Monitoring Point 3-6 | 0.08 | 0.06 | 0.06 | 0.05 | B | 6.1×10^{-8} |
| Monitoring Point 4-9 | B | B | B | B | B | 3.5×10^{-9} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 8.1×10^{-9} |
| Monitoring Point 5-8 | B | B | B | B | B | 4.2×10^{-9} |
| 4 Mile to 5 Mile Sector ESE- | B | B | B | B | B | 3.1×10^{-9} |
| 5 Mile to 6 Mile Sector E- | B | B | B | B | B | 6.2×10^{-9} |
| Monitoring Point 6-3 | B | B | B | B | B | 2.9×10^{-9} |
| Monitoring Point 7-8 | B | B | B | B | B | 4.2×10^{-9} |
| Monitoring Point 7-9 | B | B | B | B | B | 4.0×10^{-9} |
| Monitoring Point 8-9 | B | B | B | B | B | 3.1×10^{-9} |
| 7 Mile to 8 Mile Sector ESE- | B | B | B | B | B | 5.0×10^{-9} |
| 8 Mile to 9 Mile Sector E+ | B | B | B | B | B | 3.1×10^{-10} |
| Monitoring Points 9-8 and 9-9 | B | B | B | B | B | 5.0×10^{-9} |
| Monitoring Point 10-6 | B | B | B | B | B | 9.0×10^{-11} |
| 9 Mile to 10 Mile Sector ESE- | B | B | B | B | B | 5.0×10^{-9} |
| 9 Mile to 10 Mile Sector ESE+ | B | B | B | B | B | 4.1×10^{-10} |
| Monitoring Point 10-7 | B | B | B | B | B | 2.2×10^{-10} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1515 - 1530

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|---|-------------|---------------|-------------|---------------|----------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector ESE- | 0.96 | 0.77 | 0.81 | 0.66 | B | 6.9×10^{-7} |
| Onsite Sector ESE+ | 0.10 | 0.07 | 0.08 | 0.05 | B | 1.8×10^{-9} |
| 1 Mile to 2 Mile Sector E+ | B | B | B | B | B | 2.1×10^{-9} |
| 1 Mile to 2 Mile Sector ESE- | 0.53 | 0.41 | 0.44 | 0.35 | B | 7.2×10^{-8} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 4.5×10^{-10} |
| 2 Mile to 3 Mile Sector E+ | B | B | B | B | B | 7.1×10^{-11} |
| Monitoring Point 3-6 | 0.11 | 0.07 | 0.08 | 0.06 | B | 5.1×10^{-9} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 4.2×10^{-10} |
| Monitoring Point 4-9 | B | B | B | B | B | 4×10^{-10} |
| Monitoring Point 5-7 | B | B | B | B | B | 8.9×10^{-11} |
| 4 Mile to 5 Mile Sector ESE- | B | B | B | B | B | 5.1×10^{-9} |
| 5 Mile to 6 Mile Sector E+ | B | B | B | B | B | 4.2×10^{-10} |
| Monitoring Point 6-3 | B | B | B | B | B | 7.1×10^{-9} |
| Monitoring Point 7-8 | B | B | B | B | B | 9.2×10^{-10} |
| Monitoring Point 7-9 | B | B | B | B | B | 8.2×10^{-9} |
| Monitoring Point 8-9 | B | B | B | B | B | 3.2×10^{-9} |
| 7 Mile to 8 Mile Sector ESE- | B | B | B | B | B | 1.3×10^{-8} |
| 8 Mile to 9 Mile Sector E+ | B | B | B | B | B | 2.1×10^{-9} |
| Monitoring Points 9-8 and 9-9 | B | B | B | B | B | 7.6×10^{-9} |
| Monitoring Points 10-6 | B | B | B | B | B | 1.4×10^{-9} |
| 9 Mile to 10 Mile Sector ESE- | B | B | B | B | B | 5.4×10^{-9} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1530 - 1545

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|---|-------------|---------------|-------------|---------------|----------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector ESE- | 1.30 | 1.05 | 1.10 | 0.90 | B | 9.1×10^{-7} |
| Onsite Sector ESE+ | 0.11 | 0.08 | 0.09 | 0.07 | B | 1.1×10^{-9} |
| 1 Mile to 2 Mile Sector E+ | B | B | B | B | B | 6.9×10^{-9} |
| 1 Mile to 2 Mile Sector ESE- | 0.71 | 0.58 | 0.60 | 0.52 | B | 4.1×10^{-7} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 4.8×10^{-10} |
| 2 Mile to 3 Mile Sector E+ | B | B | B | B | B | 1.4×10^{-10} |
| Monitoring Point 3-6 | 0.14 | 0.11 | 0.12 | 0.10 | B | 1.0×10^{-7} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 1.2×10^{-10} |
| Monitoring Point 4-9 | B | B | B | B | B | 7.1×10^{-11} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 6.2×10^{-9} |
| Monitoring Point 5-7 | B | B | B | B | B | 4.2×10^{-11} |
| 4 Mile to 5 Mile Sector E+ | B | B | B | B | B | B |
| Monitoring Point 6-3 | B | B | B | B | B | 3.8×10^{-9} |
| Monitoring Point 7-9 | B | B | B | B | B | 4.8×10^{-9} |
| 7 Mile to 8 Mile Sector ESE- | B | B | B | B | B | 6.1×10^{-9} |
| 8 Mile to 9 Mile Sector E+ | B | B | B | B | B | 1.9×10^{-10} |
| Monitoring Points 9-8 and 9-9 | B | B | B | B | B | 8.2×10^{-9} |
| Monitoring Points 10-6 | B | B | B | B | B | 1.1×10^{-9} |
| 9 Mile to 10 Mile Sector ESE- | B | B | B | B | B | 1.1×10^{-8} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1515 - 1600

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci}/\text{cc}$) |
|---|-------------|---------------|-------------|---------------|----------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector E- | B | B | B | B | B | 1.8×10^{-9} |
| Onsite Sector E+ | 1.40 | 1.15 | 1.20 | 0.98 | B | 1.0×10^{-6} |
| Onsite Sector ESE- | B | B | B | B | B | 6.9×10^{-10} |
| Monitoring Point 2-4 | B | B | B | B | B | 2.5×10^{-8} |
| 1 Mile to 2 Mile Sector E+ | B | B | B | B | B | 5.0×10^{-7} |
| 2 Mile to 3 Mile Sector E- | 0.05 | 0.04 | 0.05 | 0.04 | B | 6.0×10^{-11} |
| 2 Mile to 3 Mile Sector E+ | 0.05 | 0.04 | 0.05 | 0.04 | B | 6.0×10^{-8} |
| Monitoring Point 4-9 | B | B | B | B | B | 3.1×10^{-8} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 5.1×10^{-8} |
| Monitoring Point 5-7 | B | B | B | B | B | 4.1×10^{-9} |
| 4 Mile to 5 Mile Sector ESE- | B | B | B | B | B | 1.2×10^{-8} |
| 5 Mile to 6 Mile Sector E+ | B | B | B | B | B | 1.7×10^{-9} |
| Monitoring Point 6-3 | B | B | B | B | B | 4.1×10^{-9} |
| Monitoring Point 7-8 | B | B | B | B | B | 8.1×10^{-10} |
| Monitoring Point 7-9 | B | B | B | B | B | 3.9×10^{-9} |
| Monitoring Point 8-9 | B | B | B | B | B | 3.5×10^{-10} |
| 7 Mile to 8 Mile Sector ESE- | B | B | B | B | B | 3.2×10^{-9} |
| 8 Mile to 9 Mile Sector E+ | B | B | B | B | B | 3.7×10^{-10} |
| Monitoring Points 9-8 and 9-9 | B | B | B | B | B | 3.8×10^{-9} |
| Monitoring Point 10-6 | B | B | B | B | B | 4.0×10^{-10} |
| 9 Mile to 10 Mile Sector ESE- | B | B | B | B | B | 4.1×10^{-9} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1600 - 1615

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|-------------------------------|-------------|---------------|-------------|---------------|-------------|-----------------------------|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Onsite Sector E+ | 0.09 | 0.07 | 0.08 | 0.06 | B | 6.4×10^{-8} |
| Onsite Sector ESE- | 0.93 | 0.75 | 0.77 | 0.62 | B | 6.1×10^{-7} |
| Onsite Sector ESE+ | 0.15 | 0.12 | 0.13 | 0.11 | B | 2.1×10^{-9} |
| Monitoring Point 2-4 | B | B | B | B | B | 1.2×10^{-9} |
| 1 Mile to 2 Mile Sector E+ | B | B | B | B | B | 2.2×10^{-9} |
| 1 Mile to 2 Mile Sector ESE- | 0.10 | 0.07 | 0.08 | 0.06 | B | 6.1×10^{-8} |
| 1 Mile to 2 Mile Sector ESE+ | 0.05 | 0.04 | 0.05 | 0.04 | B | 5.1×10^{-10} |
| Monitoring Point 3-6 | 0.09 | 0.07 | 0.08 | 0.07 | B | 5.2×10^{-8} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 2.4×10^{-10} |
| Monitoring Point 4-9 | B | B | B | B | B | 4.1×10^{-9} |
| 3 Mile to 4 Mile Sector E- | B | B | B | B | B | 7.2×10^{-11} |
| Monitoring Point 5-7 | B | B | B | B | B | 4.1×10^{-9} |
| 4 Mile to 5 Mile E+ | B | B | B | B | B | 4.2×10^{-9} |
| Monitoring Point 6-3 | B | B | B | B | B | 1.8×10^{-9} |
| Monitoring Point 7-8 | B | B | B | B | B | 3.1×10^{-9} |
| Monitoring Point 7-9 | B | B | B | B | B | 2.0×10^{-9} |
| Monitoring Point 8-9 | B | B | B | B | B | 1.2×10^{-9} |
| 7 Mile to 8 Mile Sector ESE- | B | B | B | B | B | 2.4×10^{-9} |
| 8 Mile to 9 Mile Sector E+ | B | B | B | B | B | 5.2×10^{-10} |
| Monitoring Points 9-8 and 9-9 | B | B | B | B | B | 3.0×10^{-9} |
| Monitoring Point 10-6 | B | B | B | B | B | 4.2×10^{-10} |
| 9 Miles to 10 Miles | B | B | B | B | B | 3.1×10^{-9} |

| | | | | | | |
|---|-----------|-----------|-----------|-----------|---|--|
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |
|---|-----------|-----------|-----------|-----------|---|--|

ENVIRONMENTAL MONITORING DATA

Time 1615 - 1630

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---|-------------|---------------|-------------|---------------|-------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Onsite Sector E+ | 0.06 | 0.05 | 0.06 | 0.05 | B | 1.8×10^{-7} |
| Onsite Sector ESE- | 0.32 | 0.26 | 0.27 | 0.23 | B | 1.8×10^{-7} |
| Onsite Sector ESE+ | B | B | B | B | B | 1.8×10^{-10} |
| 1 Mile to 2 Mile Sector E+ | B | B | B | B | B | 1.9×10^{-8} |
| 1 Mile to 2 Mile Sector ESE | 0.09 | 0.07 | 0.07 | 0.05 | B | 4.1×10^{-8} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 6×10^{-11} |
| 2 Mile to 3 Mile Sector E+ | B | B | B | B | B | 2.4×10^{-9} |
| Monitoring Point 3-6 | 0.05 | 0.04 | 0.05 | 0.04 | B | 2.2×10^{-8} |
| Monitoring Point 4-9 | B | B | B | B | B | 8.5×10^{-10} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 3.9×10^{-9} |
| Monitoring Point 5-7 | B | B | B | B | B | 6.0×10^{-10} |
| 4 Mile to 5 Mile Sector ESE- | B | B | B | B | B | 4.9×10^{-10} |
| Monitoring Point 5-8 | 0.08 | 0.06 | 0.07 | 0.05 | B | B |
| Monitoring Point 7-9 | B | B | B | B | B | 3.2×10^{-10} |
| Monitoring Point 8-9 | B | B | B | B | B | 2.1×10^{-9} |
| 7 Mile to 8 Mile Sector ESE- | B | B | B | B | B | 3.1×10^{-9} |
| 8 Mile to 9 Mile Sector E+ | B | B | B | B | B | 8.9×10^{-10} |
| Monitor Point 10-6 | B | B | B | B | B | 6.4×10^{-10} |
| 9 Mile to 10 Mile Sector E+ | B | B | B | B | B | 1.2×10^{-9} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1630 - 1645

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|-------------------------------|-------------|---------------|-------------|---------------|-------------|-----------------------------|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Onsite Sector E+ | 0.19 | 0.14 | 0.17 | 0.13 | B | 2.8×10^{-8} |
| Onsite Sector ESE+ | 1.10 | 0.80 | 0.90 | 0.70 | B | 7.1×10^{-7} |
| Onsite Sector ESE+ | 0.12 | 0.09 | 0.10 | 0.08 | B | 8.1×10^{-9} |
| 1 Mile to 2 Mile Sector E+ | 0.05 | 0.04 | 0.05 | 0.05 | B | 3.2×10^{-8} |
| 1 Mile to 2 Mile Sector ESE- | 0.59 | 0.48 | 0.52 | 0.41 | B | 7.1×10^{-8} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 7.1×10^{-9} |
| 2 Mile to 3 Mile Sector E+ | 0.06 | 0.05 | 0.05 | 0.04 | B | 3.9×10^{-9} |
| Monitoring Point 3-6 | 0.13 | 0.09 | 0.11 | 0.07 | B | 4.1×10^{-9} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 2.1×10^{-9} |
| Monitoring Point 4-9 | B | B | B | B | B | 4.0×10^{-9} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 3.1×10^{-9} |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 5×10^{-11} |
| Monitoring Point 5-7 | B | B | B | B | B | 5.2×10^{-9} |
| 4 Mile to 5 Mile Sector ESE- | B | B | B | B | B | 2.1×10^{-9} |
| 5 Mile to 6 Mile Sector E+ | B | B | B | B | B | 8.1×10^{-9} |
| Monitoring Point 6-3 | B | B | B | B | B | 1.8×10^{-9} |
| Monitoring Point 7-9 | B | B | B | B | B | 1.9×10^{-9} |
| 7 Mile to 8 Mile Sector ESE- | B | B | B | B | B | 2.1×10^{-9} |
| 8 Mile to 9 Mile Sector E+ | B | B | B | B | B | 4.7×10^{-9} |
| Monitoring Points 9-8 and 9-9 | B | B | B | B | B | 6.1×10^{-9} |
| Monitoring Points 10-6 | B | B | B | B | B | 1.2×10^{-9} |
| 9 Mile to 10 Mile Sector ESE- | B | B | B | B | B | 1.4×10^{-9} |

| | | | | | | |
|---|-----------|-----------|-----------|-----------|---|--|
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |
|---|-----------|-----------|-----------|-----------|---|--|

ENVIRONMENTAL MONITORING DATA

Time 1645 - 1700

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|---|-------------|---------------|-------------|---------------|----------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector E+ | B | B | B | B | B | 1.4×10^{-9} |
| Onsite Sector ESE- | 0.07 | 0.05 | 0.06 | 0.05 | B | 4.4×10^{-8} |
| Onsite Sector ESE+ | 0.63 | 0.51 | 0.58 | 0.48 | B | 3.2×10^{-7} |
| Onsite Sector SE- | 0.59 | 0.49 | 0.55 | 0.47 | B | 1.8×10^{-7} |
| Onsite Sector SE+ | B | B | B | B | B | 4.1×10^{-9} |
| 1 Mile to 2 Mile Sector E+ | B | B | B | B | B | 1.3×10^{-9} |
| 1 Mile to 2 Mile Sector ESE- | 0.06 | 0.05 | 0.05 | 0.04 | B | 3.1×10^{-8} |
| 1 Mile to 2 Mile Sector ESE+ | 0.11 | 0.07 | 0.09 | 0.06 | B | 4.1×10^{-8} |
| 1 Mile to 2 Mile Sector SE- | 0.18 | 0.14 | 0.15 | 0.12 | B | 8.4×10^{-10} |
| 2 Mile to 3 Mile Sector E+ | B | B | B | B | B | 1.2×10^{-10} |
| Monitoring Point 3-6 | B | B | B | B | B | 1.7×10^{-8} |
| 2 Mile to 3 Mile Sector ESE+ | 0.07 | 0.05 | 0.06 | 0.05 | B | 2.0×10^{-9} |
| 2 Mile to 3 Mile Sector SE- | 0.08 | 0.06 | 0.07 | 0.05 | B | 2.1×10^{-8} |
| Monitoring Point 3-7 | B | B | B | B | B | 4.1×10^{-10} |
| 3 Mile to 4 Mile Sector E+ | B | B | B | B | B | 5.1×10^{-10} |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 1.8×10^{-9} |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 1.8×10^{-9} |
| 3 Mile to 4 Mile Sector SE+ | B | B | B | B | B | 7.3×10^{-11} |
| 4 Mile to 5 Mile Sector E+ | B | B | B | B | B | 5.9×10^{-11} |
| 4 Mile to 5 Mile Sector ESE- | B | B | B | B | B | 1.3×10^{-9} |
| Monitoring Point 5-8 | B | B | B | B | B | 6.1×10^{-10} |
| 5 Mile to 6 Mile Sector E+ | B | B | B | B | B | 3.1×10^{-10} |
| Monitoring Point 6-3 | B | B | B | B | B | 1.4×10^{-10} |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 1.4×10^{-10} |
| Monitoring Point 7-8 | B | B | B | B | B | 2.6×10^{-10} |
| Monitoring Point 7-9 | B | B | B | B | B | 1.7×10^{-9} |
| Monitoring Point 8-9 | B | B | B | B | B | 2.1×10^{-10} |
| 7 Mile to 8 Mile Sector ESE- | B | B | B | B | B | 1.8×10^{-9} |
| Monitoring Points 9-8 and 9-9 | B | B | B | B | B | 1.8×10^{-9} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1700 - 1715

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|--|-------------|---------------|-------------|---------------|-------------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Onsite Sector ESE+ | 0.15 | 0.11 | 0.12 | 0.09 | B | 8.2×10^{-8} |
| Onsite Sector SE- | 0.08 | 0.06 | 0.07 | 0.06 | B | 4.1×10^{-8} |
| Onsite Sector SE+ | B | B | B | B | B | 1.4×10^{-9} |
| 1 Mile to 2 Mile Sector ESE+ | 0.08 | 0.05 | 0.06 | 0.05 | B | 4.1×10^{-8} |
| 1 Mile to 2 Mile Sector SE- | 0.06 | 0.05 | 0.05 | 0.05 | B | 2.1×10^{-8} |
| 1 Mile to 2 Mile Sector SE+ | B | B | B | B | B | 5.0×10^{-10} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 9.0×10^{-9} |
| 2 Mile to 3 Mile Sector SE- | B | B | B | B | B | 5.1×10^{-9} |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 1.2×10^{-9} |
| 3 Mile to 4 Mile Sector SE- | B | B | B | B | B | 1.8×10^{-9} |
| Monitoring Point 5-8 | B | B | B | B | B | 1.4×10^{-9} |
| 4 Mile to 5 Mile Sector SE- | B | B | B | B | B | 1.9×10^{-9} |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 1.7×10^{-9} |
| 5 Mile to 6 Mile Sector SE- | B | B | B | B | B | 2.1×10^{-9} |
| Monitoring Point 7-10 | B | B | B | B | B | 8.2×10^{-10} |
| 7 Mile to 8 Mile Sector ESE- | B | B | B | B | B | 6.1×10^{-10} |
| Monitoring Points 9-10 and 9-11 | B | B | B | B | B | 5.1×10^{-10} |
| 8 Mile to 9 Mile Sector ESE+ | B | B | B | B | B | 8.1×10^{-11} |
| 9 Mile to 10 Mile Sector ESE- | B | B | B | B | B | 4.1×10^{-10} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1715 - 1730

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---|-------------|---------------|-------------|---------------|-------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Onsite Sector ESE- | B | B | B | B | B | 5.9×10^{-9} |
| Onsite Sector ESE+ | B | B | B | B | B | 4.1×10^{-9} |
| 1 Mile to 2 Mile Sector ESE- | B | B | B | B | B | 5.0×10^{-9} |
| 1 Mile to 2 Mile Sector ESE+ | B | B | B | B | B | 5.1×10^{-9} |
| 1 Mile to 2 Mile Sector SE- | B | B | B | B | B | 1.4×10^{-9} |
| Monitoring Point 3-6 | B | B | B | B | B | 4.2×10^{-9} |
| 2 Mile to 3 Mile Sector ESE+ | B | B | B | B | B | 6.0×10^{-9} |
| 2 Mile to 3 Mile Sector SE- | B | B | B | B | B | 9.0×10^{-10} |
| 3 Mile to 4 Mile Sector ESE+ | B | B | B | B | B | 1.6×10^{-10} |
| 3 Mile to 4 Mile Sector SE- | B | B | B | B | B | 9.5×10^{-10} |
| Monitoring Point 5-8 | B | B | B | B | B | 3.1×10^{-9} |
| 4 Mile to 5 Mile Sector SE- | B | B | B | B | B | 7.1×10^{-10} |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 7.1×10^{-9} |
| 5 Mile to 6 Mile Sector SE- | B | B | B | B | B | 1.4×10^{-10} |
| Monitoring Point 7-10 | B | B | B | B | B | 3.2×10^{-9} |
| 6 Mile to 7 Mile Sector SE- | B | B | B | B | B | 3.2×10^{-10} |
| Monitoring Points 8-10 and 8-11 | B | B | B | B | B | 2.2×10^{-9} |
| 7 Mile to 8 Mile Sector SE- | B | B | B | B | B | 4.8×10^{-10} |
| 8 Mile to 9 Mile Sector ESE+ | B | B | B | B | B | 1.2×10^{-9} |
| 9 Mile to 10 Mile Sector ESE- | B | B | B | B | B | 6.4×10^{-11} |
| 9 Mile to 10 Mile Sector ESE+ | B | B | B | B | B | 5.1×10^{-10} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1730 - 1745

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---------------------------------|-------------|---------------|-------------|---------------|-------------|-----------------------------|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| 3 Mile to 4 Mile Sector ESE- | B | B | B | B | B | 5.1×10^{-11} |
| 4 Mile to 5 Mile Sector ESE- | B | B | B | B | B | 2.1×10^{-10} |
| Monitoring Point 6-3 | B | B | B | B | B | 4.1×10^{-10} |
| 5 Mile to 6 Mile Sector ESE+ | B | B | B | B | B | 6.4×10^{-11} |
| Monitoring Point 7-9 | B | B | B | B | B | 2.1×10^{-10} |
| Monitoring Point 7-10 | B | B | B | B | B | 4.2×10^{-10} |
| 7 Mile to 8 Mile Sector ESE- | B | B | B | B | B | 5.8×10^{-11} |
| Monitoring Points 8-10 and 8-11 | B | B | B | B | B | 6.0×10^{-10} |
| 8 Mile to 9 Mile Sector ESE+ | B | B | B | B | B | 8.4×10^{-9} |
| 9 Mile to 10 Mile Sector ESE+ | B | B | B | B | B | 1.1×10^{-9} |

All other monitoring
locations-Background

0.02-0.04

0.02-0.04

0.02-0.04

0.02-0.04

0

 2×10^{-11} 5×10^{-11}

ENVIRONMENTAL MONITORING DATA

Time 1745 - 1800

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber Readings | Air Samples I-131 ($\mu\text{ci/cc}$) |
|---|-------------|---------------|-------------|---------------|----------------------|--|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | | |
| Monitoring Points 8-10 and 8-11 | B | B | B | B | B | 5.1×10^{-11} |
| 8 Mile to 9 Mile Sector ESE+ | B | B | B | B | B | 5.5×10^{-11} |
| 8 Mile to 9 Mile Sector SE- | B | B | B | B | B | 5.2×10^{-11} |
| 9 Mile to 10 Mile Sector ESE+ | B | B | B | B | B | 5.1×10^{-11} |
| Monitoring Point 10-7 | B | B | B | B | B | 9.4×10^{-11} |
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |

ENVIRONMENTAL MONITORING DATA

Time 1800 - 1815

GM Readings

| Monitoring Location | 1-Meter | | 4-CM | | Ion Chamber | Air Samples |
|---------------------------------|-------------|---------------|-------------|---------------|-------------|-----------------------------|
| | Open (mR/h) | Closed (mR/h) | Open (mR/h) | Closed (mR/h) | Readings | I-131 ($\mu\text{ci/cc}$) |
| Monitoring Points 8-10 and 8-11 | B | B | B | B | B | 9.4×10^{-11} |
| 8 Mile to 9 Mile Sector ESE+ | B | B | B | B | B | 1.1×10^{-10} |
| 9 Mile to 10 Mile Sector ESE+ | B | B | B | B | B | 2.4×10^{-10} |

| | | | | | | |
|---|-----------|-----------|-----------|-----------|---|--|
| All other monitoring locations-Background | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0.02-0.04 | 0 | 2×10^{-11} 5×10^{-11} |
|---|-----------|-----------|-----------|-----------|---|--|

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

 Day 1
 Time 1130-1230

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|------------------------------|--------------|--------------------|
| Onsite Sector E- | 0.24 | 2.4 |
| Onsite Sector E+ | 7.2 | 75 |
| Onsite Sector ESE- | 20 | 200 |
| Onsite Sector ESE+ | 2.5 | 25 |
| Onsite Sector SE- | 1.2 | 12 |
| Onsite Sector SE+ | 2.0 | 20 |
| Onsite Sector SSE- | 15 | 150 |
| Monitoring Point 1-1 | 3.0 | 30 |
| Monitoring Point 2-4 | 0.02 | 0.13 |
| 1 Mile to 2 Mile Sector E+ | 0.90 | 9.0 |
| 1 Mile to 2 Mile Sector ESE- | 0.80 | 80 |
| 1 Mile to 2 Mile Sector ESE+ | 0.25 | 2.5 |
| 1 Mile to 2 Mile Sector SE- | 0.12 | 1.2 |
| 1 Mile to 2 Mile Sector SE+ | 0.20 | 2 |
| 1 Mile to 2 Mile Sector SSE- | 3.0 | 30 |
| 1 Mile to 2 Mile Sector SSE+ | 0.30 | 3 |
| 2 Mile to 3 Mile Sector E+ | 0.31 | 3 |
| Monitoring Point 3-6 | 0.50 | 5 |
| 2 Mile to 3 Mile Sector ESE+ | 0.20 | 2 |
| 2 Mile to 3 Mile Sector SE- | 0.12 | 1.2 |
| Monitoring Point 3-7 | 0.20 | 2 |
| 2 Mile to 3 Mile Sector SSE- | 0.20 | 2 |
| 2 Mile to 3 Mile Sector SSE+ | 0.10 | 1 |
| Monitoring Point 4-9 | 0.10 | 1 |
| 3 Mile to 4 Mile Sector ESE- | 0.20 | 2 |
| 3 Mile to 4 Mile Sector ESE+ | 0.20 | 2 |
| 3 Mile to 4 Mile Sector SE- | 0.10 | 1 |
| 3 Mile to 4 Mile Sector SE+ | 0.20 | 2 |
| Monitoring Point 4-10 | 0.03 | 0.3 |
| 3 Mile to 4 Mile Sector SSE+ | 0.03 | 0.3 |
| Monitoring Point 5-8 | 0.2 | 2 |
| 4 Mile to 5 Mile Sector SE- | 0.1 | 1 |
| 4 Mile to 5 Mile Sector SE+ | 0.2 | 2 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
 Time 1130-1230

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|-------------------------------|--------------|--------------------|
| 5 Mile to 6 Mile Sector ESE + | 0.2 | 2 |
| 5 Mile to 6 Mile Sector SE- | 0.1 | 1 |
| 5 Mile to 6 Mile Sector SE+ | 0.2 | 2 |
| Monitoring Point 7-10 | 0.1 | 1 |
| 6 Mile to 7 Mile Sector SE- | 0.1 | 1 |
| Monitoring Points 7-11 & 7-12 | 0.2 | 2 |
| Monitoring Points 8-10 & 8-11 | 0.02 | 0.2 |
| 7 Mile to 8 Mile Sector SE- | 0.1 | 1 |
| 7 Mile to 8 Mile Sector SE+ | 0.05 | 0.5 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

 Day 1
 Time 1230-1300

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|------------------------------|--------------|--------------------|
| Onsite Sector E- | 2 | 20 |
| Onsite Sector E+ | 9 | 90 |
| Onsite Sector ESE- | 25 | 250 |
| Onsite Sector ESE+ | 10 | 100 |
| Onsite Sector SE- | 10 | 100 |
| Onsite Sector SE+ | 4 | 40 |
| Onsite Sector SSE- | 20 | 200 |
| Monitoring Point 1-1 | 10 | 100 |
| Monitoring Point 2-4 | 4 | 40 |
| 1 Mile to 2 Mile Sector E+ | 2 | 20 |
| 1 Mile to 2 Mile Sector ESE- | 6 | 60 |
| 1 Mile to 2 Mile Sector ESE+ | 0.7 | 7 |
| 1 Mile to 2 Mile Sector SE- | 4 | 40 |
| 1 Mile to 2 Mile Sector SE+ | 5 | 50 |
| 1 Mile to 2 Mile Sector SSE- | 3 | 30 |
| 1 Mile to 2 Mile Sector SSE+ | 2 | 20 |
| 2 Mile to 3 Mile Sector E+ | 0.3 | 3 |
| Monitoring Point 3-6 | 1.2 | 12 |
| 2 Mile to 3 Mile Sector ESE+ | 0.7 | 7 |
| 2 Mile to 3 Mile Sector SE- | 0.7 | 7 |
| Monitoring Point 3-7 | 0.7 | 7 |
| 2 Mile to 3 Mile Sector SSE- | 1.1 | 11 |
| 2 Mile to 3 Mile Sector SSE+ | 0.1 | 1 |
| Monitoring Point 4-9 | 0.11 | 1 |
| 3 Mile to 4 Mile Sector ESE- | 0.2 | 2 |
| 3 Mile to 4 Mile Sector ESE+ | 0.6 | 6 |
| 3 Mile to 4 Mile Sector SE- | 0.7 | 7 |
| 3 Mile to 4 Mile Sector SE+ | 0.4 | 4 |
| Monitoring Point 4-10 | 0.2 | 2 |
| 3 Mile to 4 Mile Sector SSE+ | 0.1 | 0.1 |
| Monitoring Point 5-8 | 0.5 | 5 |
| 4 Mile to 5 Mile Sector SE- | 0.5 | 5 |
| 4 Mile to 5 Mile Sector SE+ | 0.3 | 3 |
| 4 Mile to 5 Mile Sector SSE- | 0.2 | 2 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
 Time 1230-1300

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|-------------------------------|--------------|--------------------|
| 5 Mile to 6 Mile SE- | 0.5 | 5 |
| 5 Mile to 6 Mile SE+ | 0.2 | 2 |
| 6 Mile to 7 Mile SE- | 0.4 | 4 |
| Monitoring Points 7-11 & 7-12 | 0.2 | 2 |
| 7 Mile to 8 Mile Sector SE- | 0.3 | 3 |
| 7 Mile to 8 Mile Sector SE+ | 0.2 | 2 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
Time 1330-1430

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|------------------------------|--------------|--------------------|
| Onsite Sector E- | 7 | 70 |
| Onsite Sector E+ | 15 | 150 |
| Onsite Sector ESE- | 34 | 340 |
| Onsite Sector ESE+ | 29 | 290 |
| Onsite Sector SE- | 30 | 300 |
| Onsite Sector SE+ | 15 | 150 |
| Onsite Sector SSE- | 30 | 300 |
| Monitoring Point 1-1 | 35 | 350 |
| Onsite Sector S- | 20 | 200 |
| Onsite Sector S+ | 32 | 320 |
| Monitoring Point 2-4 | 15 | 150 |
| 1 Mile to 2 Mile Sector E+ | 15 | 150 |
| 1 Mile to 2 Mile Sector ESE- | 11 | 110 |
| 1 Mile to 2 Mile Sector ESE+ | 1.0 | 10 |
| 1 Mile to 2 Mile Sector SE- | 12 | 120 |
| 1 Mile to 2 Mile Sector SE+ | 7 | 70 |
| 1 Mile to 2 Mile Sector SSE- | 2.9 | 29 |
| 1 Mile to 2 Mile Sector SSE+ | 6 | 60 |
| 1 Mile to 2 Mile Sector S- | 12 | 120 |
| Monitoring Point 2-5 | 0.2 | 2 |
| 2 Mile to 3 Mile Sector E+ | 0.3 | 3 |
| Monitoring Point 3-G | 1.8 | 18 |
| 2 Mile to 3 Mile Sector ESE+ | 1.1 | 11 |
| 2 Mile to 3 Mile Sector SE- | 1.0 | 10 |
| Monitoring Point 3-7 | 1.0 | 10 |
| 2 Mile to 3 Mile Sector SSE- | 2.2 | 22 |
| 2 Mile to 3 Mile Sector SSE+ | 4 | 40 |
| Monitoring Point 3-8 | 0.5 | 5 |
| Monitoring Point 4-9 | 0.1 | 1 |
| 3 Mile to 4 Mile Sector ESE- | 0.2 | 2 |
| 3 Mile to 4 Mile Sector ESE+ | 0.6 | 6 |
| 3 Mile to 4 Mile Sector SE- | 0.7 | 7 |
| 3 Mile to 4 Mile Sector SE+ | 0.7 | 7 |
| Monitoring Point 4-10 | 0.7 | 7 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
 Time 1330-1430

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|-------------------------------|--------------|--------------------|
| 3 Mile to 4 Mile Sector SSE+ | 0.3 | 3 |
| 3 Mile to 4 Mile Sector S- | 0.5 | 5 |
| Monitoring Point 5-8 | 0.6 | 6 |
| 4 Mile to 5 Mile Sector SE- | 0.8 | 8 |
| 4 Mile to 5 Mile Sector SE+ | 0.6 | 6 |
| 4 Mile to 5 Mile Sector SSE- | 0.4 | 4 |
| 5 Mile to 6 Mile Sector ESE+ | 0.5 | 5 |
| 5 Mile to 6 Mile Sector SE- | 0.8 | 8 |
| 5 Mile to 6 Mile Sector SE+ | 0.4 | 4 |
| 6 Mile to 7 Mile Sector SE- | 0.6 | 6 |
| Monitoring Points 7-11 & 7-12 | 0.4 | 4 |
| 7 Mile to 8 Mile Sector SE- | 0.5 | 5 |
| 7 Mile to 8 Mile Sector SE+ | 0.4 | 4 |
| 8 Mile to 9 Mile Sector SE- | 0.4 | 4 |
| Monitoring Point 9-10 | 0.2 | 2 |
| Monitoring Point 10-7 | 0.4 | 4 |
| 9 Mile to 10 Mile Sector SE+ | 0.2 | 2 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
Time 1430-1530

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|------------------------------|--------------|--------------------|
| Onsite Sector E- | 21 | 210 |
| Onsite Sector E+ | 28 | 280 |
| Onsite Sector ESE- | 80 | 800 |
| Onsite Sector ESE+ | 35 | 350 |
| Onsite Sector SE- | 30 | 300 |
| Onsite Sector SE+ | 15 | 150 |
| Onsite Sector SSE- | 30 | 300 |
| Monitoring Point 1-1 | 35 | 350 |
| Onsite Sector 5- | 20 | 200 |
| Onsite Sector 5+ | 32 | 320 |
| Monitoring Point 2-4 | 1.2 | 12 |
| 1 Mile to 2 Mile Sector E+ | 24 | 240 |
| 1 Mile to 2 Mile Sector ESE- | 24 | 240 |
| 1 Mile to 2 Mile Sector ESE+ | 1.1 | 11 |
| 1 Mile to 2 Mile Sector SE- | 12 | 120 |
| 1 Mile to 2 Mile Sector SE+ | 7 | 70 |
| 1 Mile to 2 Mile Sector SSE- | 2.9 | 29 |
| 1 Mile to 2 Mile Sector SSE+ | 6 | 60 |
| 1 Mile to 2 Mile Sector S- | 12 | 120 |
| Monitoring Point 2-5 | 0.2 | 2 |
| 2 Mile to 3 Mile Sector E- | 0.6 | 6 |
| 2 Mile to 3 Mile Sector E+ | 6 | 60 |
| Monitoring Point 3-6 | 5 | 50 |
| 2 Mile to 3 Mile Sector ESE+ | 1.1 | 11 |
| 2 Mile to 3 Mile Sector SE- | 1.0 | 10 |
| Monitoring Point 3-7 | 1.0 | 10 |
| 2 Mile to 3 Mile Sector SSE- | 2.2 | 22 |
| 2 Mile to 3 Mile Sector SSE+ | 4 | 40 |
| Monitoring Point 3-8 | 0.5 | 5 |
| Monitoring Point 4-9 | 1.2 | 12 |
| 3 Mile to 4 Mile Sector ESE- | 1 | 10 |
| 3 Mile to 4 Mile Sector ESE+ | 0.6 | 6 |
| 3 Mile to 4 Mile Sector SE- | 0.7 | 7 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
 Time 1430-1530

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|-------------------------------|--------------|--------------------|
| 3 Mile to 4 Mile Sector SE+ | 0.7 | 7 |
| Monitoring Point 4-10 | 0.7 | 7 |
| 3 Mile to 4 Mile Sector SSE+ | 0.3 | 3 |
| 3 Mile to 4 Mile Sector S- | 0.5 | 5 |
| 4 Mile to 5 Mile Sector E+ | 0.5 | 5 |
| Monitoring Point 6-3 | 0.4 | 4 |
| 4 Mile to 5 Mile Sector ESE+ | 0.4 | 4 |
| 4 Mile to 5 Mile Sector SE- | 0.5 | 5 |
| 4 Mile to 5 Mile Sector SE+ | 0.4 | 4 |
| Monitoring Point 6-4 | 0.4 | 4 |
| 5 Mile to 6 Mile Sector SE- | 0.6 | 6 |
| Monitoring Points 7-11 & 7-12 | 0.4 | 4 |
| 6 Mile to 7 Mile Sector ESE- | 0.2 | 2 |
| 6 Mile to 7 Mile Sector SE- | 0.5 | 5 |
| 6 Mile to 7 Mile Sector SE+ | 0.4 | 4 |
| 7 Mile to 8 Mile Sector SSE- | 0.4 | 4 |
| Monitoring Point 9-10 | 0.2 | 2 |
| Monitoring Point 10-7 | 0.4 | 4 |
| 9 Mile to 10 Mile Sector SE+ | 0.2 | 2 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
Time 1530-1630

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|------------------------------|--------------|--------------------|
| Onsite Sector E- | 40 | 400 |
| Onsite Sector E+ | 35 | 350 |
| Onsite Sector ESE- | 120 | 1200 |
| Onsite Sector ESE+ | 35 | 350 |
| Onsite Sector SE- | 30 | 300 |
| Onsite Sector SE+ | 45 | 450 |
| Onsite Sector SSE- | 30 | 300 |
| Monitoring Point 1-1 | 35 | 350 |
| Onsite Sector S- | 20 | 200 |
| Onsite Sector S+ | 32 | 320 |
| Monitoring Point 2-4 | 12 | 120 |
| 1 Mile to 2 Mile Sector E+ | 27 | 270 |
| 1 Mile to 2 Mile Sector ESE- | 35 | 350 |
| 1 Mile to 2 Mile Sector ESE+ | 1.1 | 11 |
| 1 Mile to 2 Mile Sector SE- | 12 | 120 |
| 1 Mile to 2 Mile Sector SE+ | 7 | 70 |
| 1 Mile to 2 Mile Sector SSE- | 2.9 | 29 |
| 1 Mile to 2 Mile Sector SSE+ | 6 | 60 |
| 1 Mile to 2 Mile Sector S- | 12 | 120 |
| Monitoring Point 2-5 | 0.2 | 2 |
| 2 Mile to 3 Mile Sector E- | 3 | 30 |
| 2 Mile to 3 Mile Sector E+ | 2.6 | 26 |
| Monitoring Point 3-6 | 9 | 90 |
| 2 Mile to 3 Mile Sector ESE+ | 1.1 | 11 |
| 2 Mile to 3 Mile Sector SE- | 1.0 | 10 |
| Monitoring Point 3-7 | 1.0 | 10 |
| 2 Mile to 3 Mile Sector SSE- | 2.2 | 22 |
| 2 Mile to 3 Mile Sector SSE+ | 4 | 40 |
| Monitoring Point 3-8 | 0.5 | 5 |
| Monitoring Points 4-7 & 4-8 | 0.3 | 3 |
| Monitoring Point 4-9 | 1.8 | 18 |
| 3 Mile to 4 Mile Sector ESE- | 1.4 | 14 |
| 3 Mile to 4 Mile Sector ESE+ | 0.6 | 6 |
| 3 Mile to 4 Mile Sector SE- | 0.7 | 7 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
Time 1530-1630

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|-------------------------------|--------------|--------------------|
| 3 Mile to 4 Mile Sector SE+ | 0.7 | 7 |
| Monitoring Point 4-10 | 0.6 | 6 |
| 3 Mile to 4 Mile Sector SSE+ | 0.3 | 3 |
| 3 Mile to 4 Mile Sector S- | 0.5 | 5 |
| Monitoring Point 5-7 | 0.9 | 9 |
| 4 Mile to 5 Mile Sector ESE- | 0.9 | 9 |
| Monitoring Point 5-8 | 0.6 | 6 |
| 4 Mile to 5 Mile Sector SE- | 0.9 | 9 |
| 4 Mile to 5 Mile Sector SE+ | 0.6 | 6 |
| 4 Mile to 5 Mile Sector SSE- | 0.6 | 6 |
| 5 Mile to 6 Mile Sector E+ | 0.7 | 7 |
| Monitoring Point 6-3 | 0.7 | 7 |
| 5 Mile to 6 Mile Sector ESE+ | 0.6 | 6 |
| 5 Mile to 6 Mile Sector SE- | 0.9 | 9 |
| 5 Mile to 6 Mile Sector SE+ | 0.5 | 5 |
| Monitoring Point 6-4 | 0.5 | 5 |
| Monitoring Point 7-8 | 0.4 | 4 |
| Monitoring Point 7-9 | 0.7 | 7 |
| Monitoring Point 7-10 | 0.3 | 3 |
| 6 Mile to 7 Mile Sector SE- | 0.7 | 7 |
| Monitoring Points 7-11 & 7-12 | 0.5 | 5 |
| 7 Mile to 8 Mile Sector E+ | 0.2 | 2 |
| 7 Mile to 8 Mile Sector ESE- | 0.7 | 7 |
| Monitoring Points 8-10 & 8-11 | 0.2 | 2 |
| 7 Mile to 8 Mile Sector SE- | 0.6 | 6 |
| 7 Mile to 8 Mile Sector SE+ | 0.5 | 5 |
| Monitoring Points 9-8 & 9-9 | 0.6 | 6 |
| 8 Mile to 9 Mile Sector ESE+ | 0.2 | 2 |
| 8 Mile to 9 Mile Sector SE- | 0.6 | 6 |
| Monitoring Point 9-10 | 0.3 | 3 |
| 9 Mile to 10 Mile Sector ESE- | 0.6 | 6 |
| 9 Mile to 10 Mile Sector ESE+ | 0.2 | 2 |
| Monitoring Point 10-7 | 0.6 | 6 |
| 9 Mile to 10 Mile Sector SE+ | 0.2 | 2 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
Time 1630-1730

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|------------------------------|--------------|--------------------|
| Onsite Sector E- | 40 | 400 |
| Onsite Sector E+ | 42 | 420 |
| Onsite Sector ESE- | 130 | 1300 |
| Onsite Sector ESE+ | 42 | 420 |
| Onsite Sector SE- | 30 | 300 |
| Onsite Sector SE+ | 45 | 450 |
| Onsite Sector SSE- | 30 | 300 |
| Monitoring Point 1-1 | 35 | 350 |
| Onsite Sector S- | 20 | 200 |
| Onsite Sector S+ | 32 | 320 |
| Monitoring Point 2-4 | 12 | 120 |
| 1 Mile to 2 Mile Sector E+ | 31 | 310 |
| 1 Mile to 2 Mile Sector ESE- | 45 | 450 |
| 1 Mile to 2 Mile Sector ESE+ | 4.2 | 42 |
| 1 Mile to 2 Mile Sector SE- | 12 | 120 |
| 1 Mile to 2 Mile Sector SE+ | 7 | 70 |
| 1 Mile to 2 Mile Sector SSE- | 2.9 | 29 |
| 1 Mile to 2 Mile Sector SSE+ | 6 | 60 |
| 1 Mile to 2 Mile Sector S- | 12 | 120 |
| Monitoring Point 2-5 | 0.2 | 2 |
| 2 Mile to 3 Mile Sector E- | 3.0 | 30 |
| 2 Mile to 3 Mile Sector E+ | 2.7 | 27 |
| Monitoring Point 3-7 | 11 | 110 |
| 2 Mile to 3 Mile Sector ESE+ | 1.9 | 19 |
| Monitoring Point 3-7 | 1.5 | 15 |
| 2 Mile to 3 Mile Sector SE+ | 1.0 | 10 |
| 2 Mile to 3 Mile Sector SSE- | 2.2 | 22 |
| 2 Mile to 3 Mile Sector SSE+ | 4 | 40 |
| Monitoring Point 3-8 | 0.5 | 5 |
| Monitoring Points 4-7 & 4-8 | 0.3 | 3 |
| Monitoring Point 4-9 | 1.9 | 19 |
| 3 Mile to 4 Mile Sector ESE- | 2.2 | 22 |
| 3 Mile to 4 Mile Sector ESE+ | 0.7 | 7 |
| 3 Mile to 4 Mile Sector SE- | 0.7 | 7 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
Time 1630-1730

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|-------------------------------|--------------|--------------------|
| 3 Mile to 4 Mile Sector SE+ | 0.7 | 7 |
| Monitoring Point 4-10 | 0.6 | 6 |
| 3 Mile to 4 Mile Sector SSE+ | 0.3 | 3 |
| 3 Mile to 4 Mile Sector S- | 0.5 | 5 |
| Monitoring Point 5-6 | 0.1 | 1 |
| Monitoring Point 5-7 | 1.0 | 10 |
| 4 Mile to 5 Mile Sector ESE- | 0.9 | 9 |
| Monitoring Point 5-8 | 0.7 | 7 |
| 4 Mile to 5 Mile Sector SE- | 0.9 | 9 |
| 4 Mile to 5 Mile Sector SE+ | 0.6 | 6 |
| 4 Mile to 5 Mile Sector SSE- | 0.6 | 6 |
| 5 Mile to 6 Mile Sector E+ | 0.9 | 9 |
| Monitoring Point 6-3 | 0.8 | 8 |
| 5 Mile to 6 Mile Sector ESE+ | 0.6 | 6 |
| 5 Mile to 6 Mile Sector SE- | 1.0 | 10 |
| 5 Mile to 6 Mile Sector SE+ | 0.5 | 5 |
| Monitoring Point 6-4 | 0.5 | 5 |
| Monitoring Point 7-8 | 0.4 | 4 |
| Monitoring Point 7-9 | 0.8 | 8 |
| Monitoring Point 7-10 | 0.4 | 4 |
| 6 Mile to 7 Mile Sector SE- | 0.7 | 7 |
| Monitoring Point 7-11 & 7-12 | 0.4 | 4 |
| Monitoring Point 8-9 | 0.3 | 3 |
| 7 Mile to 8 Mile Sector ESE- | 0.8 | 8 |
| Monitoring Points 8-10 & 8-11 | 0.2 | 2 |
| 7 Mile to 8 Mile Sector SE- | 0.6 | 6 |
| 7 Mile to 8 Mile Sector SE+ | 0.4 | 4 |
| 8 Mile to 9 Mile Sector E+ | 0.2 | 2 |
| Monitoring Points 9-9 & 9-10 | 0.7 | 7 |
| 8 Mile to 9 Mile Sector ESE+ | 0.2 | 2 |
| 8 Mile to 9 Mile Sector SE- | 0.6 | 6 |
| Monitoring Point 9-10 | 0.3 | 3 |
| 9 Mile to 10 Mile Sector E+ | 0.1 | 1 |
| 9 Mile to 10 Mile Sector ESE- | 0.7 | 7 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
 Time 1630-1730

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|-------------------------------|--------------|--------------------|
| 9 Mile to 10 Mile Sector ESE+ | 0.2 | 2 |
| Monitoring Point 10-7 | 0.6 | 6 |
| 9 Mile to 10 Mile Sector SE+ | 0.2 | 2 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
Time 1730 through end of day

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|------------------------------|--------------|--------------------|
| Onsite Sector E- | 40 | 400 |
| Onsite Sector E+ | 42 | 420 |
| Onsite Sector ESE- | 140 | 1400 |
| Onsite Sector ESE+ | 42 | 420 |
| Onsite Sector SE- | 35 | 350 |
| Onsite Sector SE+ | 45 | 450 |
| Onsite Sector SSE- | 30 | 300 |
| Monitoring Point 1-1 | 35 | 350 |
| Onsite Sector S- | 20 | 200 |
| Onsite Sector S+ | 32 | 320 |
| Monitoring Point 2-4 | 12 | 120 |
| 1 Mile to 2 Mile Sector E+ | 31 | 310 |
| 1 Mile to 2 Mile Sector ESE- | 48 | 480 |
| 1 Mile to 2 Mile Sector ESE+ | 4.4 | 44 |
| 1 Mile to 2 Mile Sector SE- | 13 | 130 |
| 1 Mile to 2 Mile Sector SE+ | 7 | 70 |
| 1 Mile to 2 Mile Sector SSE- | 3 | 30 |
| 1 Mile to 2 Mile Sector SSE+ | 6 | 60 |
| 1 Mile to 2 Mile Sector S- | 12 | 120 |
| Monitoring Point 2-5 | 0.2 | 2 |
| 2 Mile to 3 Mile Sector E- | 3 | 30 |
| 2 Mile to 3 Mile Sector E+ | 2.7 | 27 |
| Monitoring Point 3-6 | 11 | 110 |
| 2 Mile to 3 Mile Sector ESE+ | 2 | 20 |
| 2 Mile to 3 Mile Sector SE- | 1.5 | 15 |
| Monitoring Point 3-7 | 1 | 10 |
| 2 Mile to 3 Mile Sector SSE- | 2.2 | 22 |
| 2 Mile to 3 Mile Sector SSE+ | 4 | 40 |
| Monitoring Point 3-8 | 0.5 | 5 |
| Monitoring Points 4-7 & 4-8 | 0.3 | 3 |
| Monitoring Point 4-9 | 1.9 | 19 |
| 3 Mile to 4 Mile Sector ESE- | 2.2 | 22 |
| 3 Mile to 4 Mile Sector ESE+ | 1 | 10 |
| 3 Mile to 4 Mile Sector SE- | 0.7 | 7 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
Time 1730 through end of day

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|-------------------------------|--------------|--------------------|
| 3 Mile to 4 Mile Sector SE+ | 0.8 | 8 |
| Monitoring Point 4-10 | 0.6 | 6 |
| 3 Mile to 4 Mile Sector SSE+ | 0.3 | 3 |
| 3 Mile to 4 Mile Sector S- | 0.5 | 5 |
| Monitoring Point 5-6 | 0.1 | 1 |
| Monitoring Point 5-7 | 1 | 10 |
| 4 Mile to 5 Mile Sector ESE- | 1 | 10 |
| Monitoring Point 5-8 | 0.8 | 8 |
| 4 Mile to 5 Mile Sector SE- | 1 | 10 |
| 4 Mile to 5 Mile Sector SE+ | 0.6 | 6 |
| 4 Mile to 5 Mile Sector SSE- | 0.6 | 6 |
| 5 Mile to 6 Mile Sector E+ | 0.9 | 9 |
| Monitoring Point 6-3 | 0.8 | 8 |
| 5 Mile to 6 Mile Sector ESE+ | 0.7 | 7 |
| 5 Mile to 6 Mile Sector SE- | 1.0 | 10 |
| 5 Mile to 6 Mile Sector SE+ | 0.5 | 5 |
| Monitoring Point 6-4 | 0.5 | 5 |
| Monitoring Point 7-8 | 0.4 | 4 |
| Monitoring Point 7-9 | 0.8 | 8 |
| Monitoring Point 7-10 | 0.5 | 5 |
| 6 Mile to 7 Mile Sector SE- | 0.8 | 8 |
| Monitoring Points 7-11 & 7-12 | 0.5 | 5 |
| Monitoring Point 8-9 | 0.3 | 3 |
| 7 Mile to 8 Mile Sector ESE- | 0.8 | 8 |
| Monitoring Points 8-10 & 8-11 | 0.4 | 4 |
| 7 Mile to 8 Mile Sector SE- | 0.7 | 7 |
| 7 Mile to 8 Mile Sector SE+ | 0.4 | 4 |
| 8 Mile to 9 Mile Sector E+ | 0.2 | 2 |
| Monitoring Points 9-8 & 9-9 | 0.7 | 7 |
| 8 Mile to 9 Mile Sector ESE+ | 0.3 | 3 |
| 8 Mile to 9 Mile Sector SE- | 0.6 | 6 |
| Monitoring Point 9-10 | 0.3 | 3 |
| Monitoring Point 10-6 | 0.1 | 1 |
| 9 Mile to 10 Mile Sector ESE- | 0.7 | 7 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 1
Time 1730 through end of day

| <u>Monitoring Location</u> | <u>Soil (pCi/g)</u> | <u>Vegetation (pCi/g)</u> |
|-------------------------------|---------------------|---------------------------|
| 9 Mile to 10 Mile Sector ESE+ | 0.3 | 3 |
| Monitoring Point 10-7 | 0.6 | 6 |
| 9 Mile to 10 Mile Sector SE+ | 0.2 | 2 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

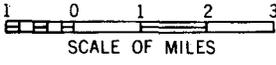
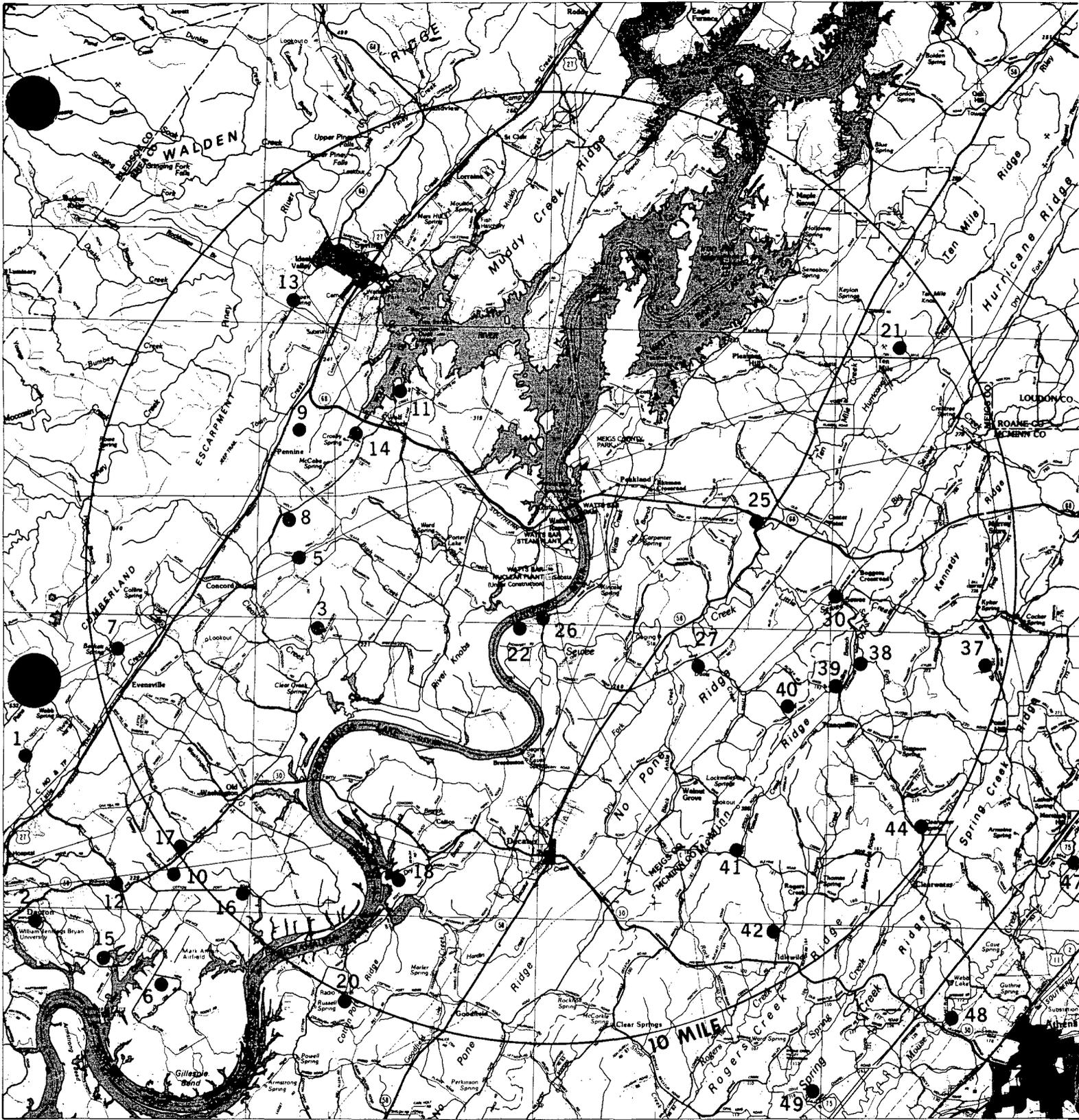
Day 2
Time All Day

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|------------------------------|--------------|--------------------|
| Onsite Sector E- | 40 | 400 |
| Onsite Sector E+ | 42 | 420 |
| Onsite Sector ESE- | 140 | 1400 |
| Onsite Sector ESE+ | 42 | 420 |
| Onsite Sector SE- | 35 | 350 |
| Onsite Sector SE+ | 45 | 450 |
| Onsite Sector SSE- | 30 | 300 |
| Monitoring Point 1-1 | 35 | 350 |
| Onsite Sector S- | 20 | 200 |
| Onsite Sector S+ | 32 | 320 |
| Monitoring Point 2-4 | 12 | 120 |
| 1 Mile to 2 Mile Sector E+ | 31 | 310 |
| 1 Mile to 2 Mile Sector ESE- | 48 | 480 |
| 1 Mile to 2 Mile Sector ESE+ | 4.4 | 44 |
| 1 Mile to 2 Mile Sector SE- | 13 | 130 |
| 1 Mile to 2 Mile Sector SE+ | 7 | 70 |
| 1 Mile to 2 Mile Sector SSE- | 3 | 30 |
| 1 Mile to 2 Mile Sector SSE+ | 6 | 60 |
| 1 Mile to 2 Mile Sector S- | 12 | 120 |
| Monitoring Point 2-5 | 0.2 | 2 |
| 2 Mile to 3 Mile Sector E- | 3 | 30 |
| 2 Mile to 3 Mile Sector E+ | 2.7 | 27 |
| Monitoring Point 3-6 | 11 | 110 |
| 2 Mile to 3 Mile Sector ESE+ | 2 | 20 |
| 2 Mile to 3 Mile Sector SE- | 1.5 | 15 |
| Monitoring Point 3-7 | 1 | 10 |
| 2 Mile to 3 Mile Sector SSE- | 2.2 | 22 |
| 2 Mile to 3 Mile Sector SSE+ | 4 | 40 |
| Monitoring Point 3-8 | 0.5 | 5 |
| Monitoring Points 4-7 & 4-8 | 0.3 | 3 |
| Monitoring Point 4-9 | 1.9 | 19 |
| 3 Mile to 4 Mile Sector ESE- | 2.2 | 22 |
| 3 Mile to 4 Mile Sector ESE+ | 1 | 10 |
| 3 Mile to 4 Mile Sector SE- | 0.7 | 7 |

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 2
Time All Day

| Monitoring Location | Soil (pCi/g) | Vegetation (pCi/g) |
|-------------------------------|--------------|--------------------|
| 3 Mile to 4 Mile Sector SE+ | 0.8 | 8 |
| Monitoring Point 4-10 | 0.6 | 6 |
| 3 Mile to 4 Mile Sector SSE+ | 0.3 | 3 |
| 3 Mile to 4 Mile Sector S- | 0.5 | 5 |
| Monitoring Point 5-6 | 0.1 | 1 |
| Monitoring Point 5-7 | 1 | 10 |
| 4 Mile to 5 Mile Sector ESE- | 1 | 10 |
| Monitoring Point 5-8 | 0.8 | 8 |
| 4 Mile to 5 Mile Sector SE- | 1 | 10 |
| 4 Mile to 5 Mile Sector SE+ | 0.6 | 6 |
| 4 Mile to 5 Mile Sector SSE- | 0.6 | 6 |
| 5 Mile to 6 Mile Sector E+ | 0.9 | 9 |
| Monitoring Point 6-3 | 0.8 | 8 |
| 5 Mile to 6 Mile Sector ESE+ | 0.7 | 7 |
| 5 Mile to 6 Mile Sector SE- | 1.0 | 10 |
| 5 Mile to 6 Mile Sector SE+ | 0.5 | 5 |
| Monitoring Point 6-4 | 0.5 | 5 |
| Monitoring Point 7-8 | 0.4 | 4 |
| Monitoring Point 7-9 | 0.8 | 8 |
| Monitoring Point 7-10 | 0.5 | 5 |
| 6 Mile to 7 Mile Sector SE- | 0.8 | 8 |
| Monitoring Point 7-11 & 7-12 | 0.5 | 5 |
| Monitoring Point 8-9 | 0.3 | 3 |
| 7 Mile to 8 Mile Sector ESE- | 0.8 | 8 |
| Monitoring Points 8-10 & 8-11 | 0.4 | 4 |
| 7 Mile to 8 Mile Sector SE- | 0.7 | 7 |
| 7 Mile to 8 Mile Sector SE+ | 0.4 | 4 |
| 8 Mile to 9 Mile Sector E+ | 0.2 | 2 |
| Monitoring Points 9-8 & 9-9 | 0.7 | 7 |
| 8 Mile to 9 Mile Sector ESE+ | 0.3 | 3 |
| 8 Mile to 9 Mile Sector SE- | 0.6 | 6 |
| Monitoring Point 9-10 | 0.3 | 3 |
| Monitoring Point 10-6 | 0.1 | 1 |
| 9 Mile to 10 Mile Sector ESE- | 0.7 | 7 |



CONTROLLED DAIRIES

I-131 MILK CONCENTRATIONS FOR SAMPLES TAKEN ON
DAY TWO OF THE EXERCISE (pCi/L)

| <u>Dairy No.</u> | <u>I-131 Concentration in Milk (pCi/L)</u> |
|------------------|--|
| 22 | 0 |
| 26 | 1.9×10^5 |
| 27 | 4.2×10^3 |
| 30 | 0 |
| 37 | 4.0×10^3 |
| 38 | 4.1×10^3 |
| 39 | 1.3×10^3 |
| 40 | 3.9×10^3 |
| 41 | 2.5×10^2 |
| 42 | 2.2×10^2 |
| 44 | 2.0×10^3 |
| 47 | 1.8×10^3 |
| 48 | 2.0×10^3 |
| 49 | 1.2 |

TEA:JME
8/13/84

I-131 CONCENTRATIONS FOR SOIL AND VEGETATION

Day 2
Time All Day

| <u>Monitoring Location</u> | <u>Soil (pCi/g)</u> | <u>Vegetation (pCi/g)</u> |
|-------------------------------|---------------------|---------------------------|
| 9 Mile to 10 Mile Sector ESE+ | 0.3 | 3 |
| Monitoring Point 10-7 | 0.6 | 6 |
| 9 Mile to 10 Mile Sector SE+ | 0.2 | 2 |