



PSE&G

Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038
Nuclear Department

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: P 063 762 096

JUN 06 1992
NLR-E92164

Bureau of Discharge Prevention
NJ Department of Environmental Protection and Energy
401 East State Street
CN-027
Trenton, New Jersey 08625-0027

Attention: Discharge Confirmation Report

Dear Sirs:

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
SALEM GENERATING STATION
(CASE #92-05-07-1647-38)

As per the requirements of NJAC 7:1E-5.8, PSE&G has prepared the attached report confirming the discharge to the ground of approximately 500 gallons of water containing a hydrazine concentration of 0.03 mg/l. The discharge was due to an overflow of the No. 2 Auxiliary Feedwater Storage Tank (AFST) at the Salem Generating Station. The discharge, which occurred at the facility on May 6, 1992, occurred entirely within PSE&G property and no injuries resulted.

The discharge of hydrazine is regulated under 40 CFR 302.4 with a reportable quantity of one (1) pound. As the discharge did not exceed the reportable quantity, no notification of the release was reported to any agency other than the New Jersey Department of Environmental Protection and Energy (NJDEPE) and the Nuclear Regulatory Commission (NRC), as required under 10 CFR 50.72, Significant Events.

PSE&G believes it acted in accordance with the intent of NJAC 7:1E, Subchapter 5, which requires all major facilities to notify the NJDEPE of discharges of petroleum and other potentially hazardous substances in any concentration. As a result of this discharge, PSE&G has cleaned the affected area and taken measures to prevent recurrence of this incident.

The Energy People

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PDR ADDCK 05000272
S PDR

COOL
95-2168 (875M) 12-90

NJDEPE
NLR-E92164

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JUN 06 1992

Should you have any questions concerning the information contained herein, or require additional information, please contact Mr. David K. Hurka of Licensing and Regulation at (609) 339-1275.

Sincerely,

A handwritten signature in dark ink, appearing to read "C. A. Vondra", written over the typed name.

C. A. Vondra
General Manager -
Salem Operations

Attachment

JUN 06 1992

C New Jersey Department of Environmental Protection and Energy
Division of Responsible Party Site Remediation
Southern Regional Enforcement
20 E. Clementon Road
Gibbsboro, New Jersey 08026

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D.C., 20555

Salem County Department of Health
98 Market Street
Salem, New Jersey 08079
Attention: Mr. James Warner

ATTACHMENT 1

DISCHARGE CONFIRMATION REPORT - SUPPLEMENTAL INFORMATION
RELATED TO REPORTED DISCHARGE OF HYDRAZINE AT SALEM GENERATING
STATION - CASE #92-05-07-1647-38

INDIVIDUAL REPORTING DISCHARGE:

R. S. Gallaher, Jr.
Senior Nuclear Shift Supervisor
Public Service Electric and Gas
Salem Generating Station
P. O. Box 236, M/C S01
Hancocks Bridge, New Jersey 08038
(609) 339-5200

INDIVIDUAL SUBMITTING CONFIRMATION REPORT:

C. A. Vondra
General Manager - Salem Operations
Public Service Electric and Gas
Nuclear Department
P. O. Box 236, M/C S05
Hancocks Bridge, New Jersey 08038
(609) 339-2900

FACILITY OWNER/OPERATOR:

Public Service Electric and Gas Co.
P. O. Box 570-17G
Newark, New Jersey 07101-0570
(201) 430-5868

INDIVIDUAL(S) RESPONSIBLE FOR THE DISCHARGE:

C. A. Vondra
General Manager - Salem Operations
Public Service Electric and Gas
Nuclear Department
P. O. Box 236, M/C S05
Hancocks Bridge, New Jersey 08038
(609) 339-2900

ATTACHMENT 1 (continued)

DISCHARGE CONFIRMATION REPORT - SUPPLEMENTAL INFORMATION
RELATED TO REPORTED DISCHARGE OF HYDRAZINE AT SALEM GENERATING
STATION - CASE #92-05-07-1647-38

DISCHARGE SOURCE:

No. 2 Auxiliary Feedwater Storage Tank

The discharge was caused by an overflow of the No. 2 AFST during a refilling operation.

DISCHARGE LOCATION:

Salem Generating Station
End of Buttonwood Road
Block#: 26
Lot#: 4.01
Municipality: Lower Alloways Creek Township
County: Salem County
Zip Code: 08038
Tax #: 22-1212-800
EPA ID#: NJD077070811
(Map enclosed - See Figures 1 and 2)

CHEMICAL DISCHARGED:	Hydrazine CAS Number: 302-01-2
QUANTITY DISCHARGED:	Approximately 500 gallons
DATE/TIME DISCHARGE BEGAN:	May 6, 1992 Approx. 1110 hours.
DATE/TIME DISCHARGE ENDED:	May 6, 1992 Approx. 1120 hours
DATE/TIME DISCHARGE DISCOVERED:	May 6, 1992 1115 hours
DATE/TIME DISCHARGE REPORTED TO NJDEPE HOTLINE:	May 7, 1992 1641 hours

JUSTIFICATION:

There was a delay in the reporting of this discharge due to a miscommunication between plant personnel.

ATTACHMENT 1 (continued)

DISCHARGE CONFIRMATION REPORT - SUPPLEMENTAL INFORMATION
RELATED TO REPORTED DISCHARGE HYDRAZINE SALEM GENERATING STATION
- CASE #92-05-07-1647-38

MEASURES TAKEN TO CONTAIN, CLEANUP AND REMOVE THE DISCHARGE:

Upon discovery of the overflowing tank, Operations personnel immediately closed the fill valve and called Chemistry personnel so that the overflow could be analyzed.

The following day a dilute solution of hydrogen peroxide was mixed with the residual liquid which neutralized the remaining hydrazine. Chemical analysis confirmed that the hydrazine concentration was less than the method detection limit (<10 ppb) and the remaining puddles were allowed to evaporate.

The estimated cost for analysis and cleanup of this discharge is estimated to be \$500.

CORRECTIVE MEASURES:

An extension has been added to the overflow line on the tank in an effort to divert any future overflows to a contained area.

The importance of clear communication and timely reporting has been reemphasized to applicable plant personnel.

INDIVIDUAL(S) INVOLVED IN CONTAINMENT/CLEANUP:

The individual responsible for the cleanup and disposal of the contaminated material is:

Susan Miller
Chemistry Supervisor
Public Service Electric & Gas
Chemistry Department
PO Box 236, MC S-07
Hancocks Bridge, NJ 08038
(609)339-2649

David Hurka
Lead Engineer
Public Service Electric & Gas
Environmental Licensing
PO Box 236, MC N-21
Hancocks Bridge, NJ 08038
(609)339-1275

ATTACHMENT 1 (continued)

DISCHARGE CONFIRMATION REPORT - SUPPLEMENTAL INFORMATION
RELATED TO REPORTED DISCHARGE OF HYDRAZINE AT SALEM GENERATING
STATION - CASE #92-05-07-1647-38

TYPE, QUANTITY, LOCATION AND DATE OF SAMPLES:

QUANTITY:

Two

INDIVIDUAL CONDUCTING ANALYSIS:

Deehaven Robinson
Public Service Electric & Gas
Chemistry Department
PO Box 236, MC S-07
Hancocks Bridge, NJ 08038
(609)339-2651

Tracey Lindeman
Public Service Electric & Gas
Chemistry Department
PO Box 236, MC S-07
Hancocks Bridge, NJ 08038
(609)339-2651

QUALITY ASSURANCE PROCEDURES:

Procedures requiring the use
of check standards, blanks, buffers
and control charts.

SAMPLE METHODOLOGY:

Hydrazine - Chemets and/or
UV/VIS Spectrophotometry
pH - Ion Electrode

RATIONALE FOR SAMPLING LOCATION &
NUMBER OF SAMPLES:

One sample was obtained to
to determine if the discharge
was reportable. A second
sample was obtained to verify
that the cleanup was
effective.

The samples were obtained from
a puddle located on the
foundation slab of the tank as
this was the most representative
location where a sample could
be obtained.

FINANCIAL RESPONSIBILITY:

PSE&G satisfies the requirements for self-insurance established
by N.J.A.C. 7:1E-4.5(g) and will include appropriate
documentation of this in its Discharge Cleanup and Removal (DCR)
Plan as required by N.J.A.C. 7:1E-4.4(a)9.

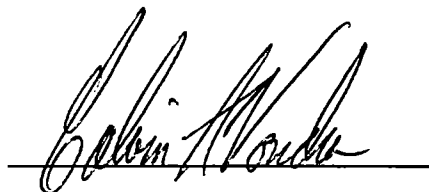
CERTIFICATION

State of New Jersey:


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County of Salem :

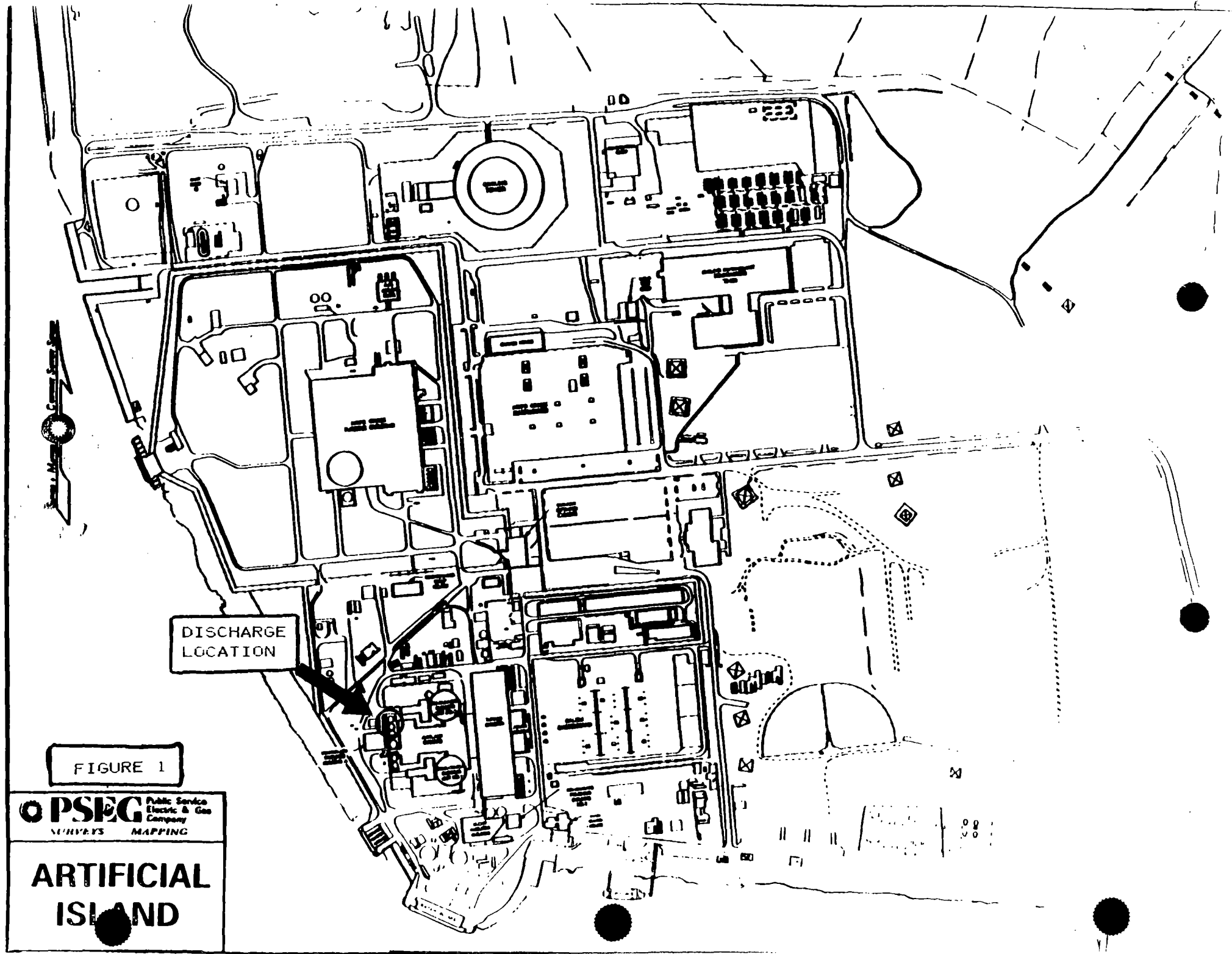
I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil and criminal penalties, including fines or imprisonment or both, for submitting false, inaccurate or incomplete information.



Sworn and subscribed before me
on this 6 day of June, 1992.


Notary Public

KIMBERLY A. HILL
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires March 9, 1997



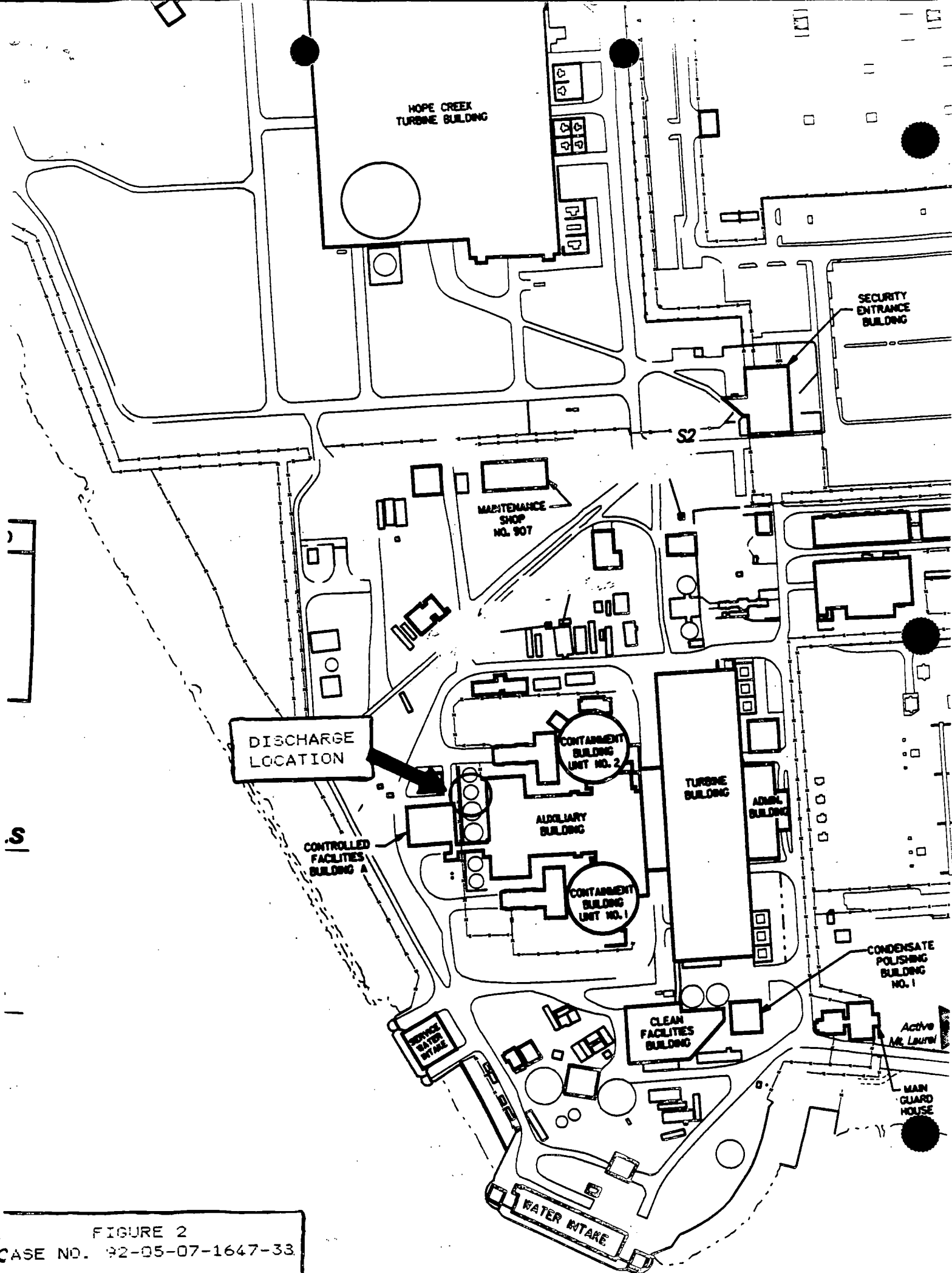


FIGURE 2
CASE NO. 92-05-07-1647-33