



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 378 354 609 JUL 31 1992
NLR-E92224

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

Attention: Ms. Shelly Kugler

Dear Ms. Kugler:

DISCHARGE OF SODIUM HYDROXIDE FROM PUBLIC SERVICE ELECTRIC
AND GAS (PSE&G) HOPE CREEK GENERATING STATION
(CASE #92-07-02-1000-51)

Per the requirements of NJAC 7:1E-5.8, PSE&G has prepared the
attached report confirming a discharge of approximately 20
gallons of sodium hydroxide solution to the ground west of the
Hope Creek cooling tower. The discharge, which occurred at the
above facility on July 2, 1992 occurred entirely within PSE&G
property and no injuries resulted.

The "Reportable Quantity" (RQ) for sodium hydroxide under 40 CFR
302.4 is 1000 pounds. Since the RQ was not reached, notification
of the release was not 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 that 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 investigated this incident,
cleaned up the affected area, and has taken measures to prevent
similar discharges in the future.

500055

The Energy People

9208060022 920731
PDR ADOCK 05000354
S PDR

92-07-02-1000-51

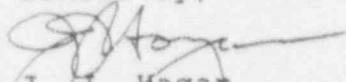
JUL 31 1992

NJDEPE
NLR-E92224

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Should you have any questions concerning the information contained in this report or require additional information, please contact Ms. Jennifer Griffin of Licensing and Regulation at (609) 339-1034.

Sincerely,


J. J. Hagan
General Manager -
Hope Creek Operations

Attachment

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
Attention: Mr. William Dunphee

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

DISCHARGE CONFIRMATION REPORT
DISCHARGE OF SODIUM HYDROXIDE AT HOPE CREEK GENERATING STATION
CASE #92-07-02-1000-51

INDIVIDUAL REPORTING DISCHARGE:

E. J. Harkness
Senior Nuclear Shift Supervisor
Public Service Electric and Gas
Hope Creek Generating Station
P. O. Box 236, M/C H01
Hancocks Bridge, New Jersey 08038
(609) 339-3059

INDIVIDUAL SUBMITTING CONFIRMATION REPORT:

J. J. Hagan
General Manager - Hope Creek Operations
Public Service Electric and Gas
Hope Creek Generating Station
P. O. Box 236, M/C H07
Hancocks Bridge, New Jersey 08038
(609) 339-3463

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:

J. J. Hagan
General Manager - Hope Creek Operations
Public Service Electric and Gas
Hope Creek Generating Station
P. O. Box 236, M/C H07
Hancocks Bridge, New Jersey 08038
(609) 339-3463

DISCHARGE SOURCE:

Hope Creek Generating Station
Sodium Hydroxide Injection Line System

During a walkdown of the cooling tower basin, station chemistry personnel noticed a dripping valve with a pool of liquid and solid deposited beneath the valve. A litmus paper test of the liquid, performed at the time of discovery, indicated a pH over 12.0 standard units.

DISCHARGE CONFIRMATION REPORT
DISCHARGE OF SODIUM HYDROXIDE AT HOPE CREEK GENERATING STATION
CASE #92-07-02-1000-51

DISCHARGE LOCATION:

Hope Creek Generating Station
Alloway Creek Neck Road
Block#: 26
Lot#: 4

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: Sodium Hydroxide
CAS Number: 1310-73-2

QUANTITY DISCHARGED: Approximately 3 gallons

DATE/TIME DISCHARGE BEGAN: Unknown

DATE/TIME DISCHARGE ENDED: July 2 - 1000 Hours

DATE/TIME DISCHARGE DISCOVERED: July 2 - 0950 Hours

DATE/TIME DISCHARGE REPORTED: July 2 - 1000 Hours
To NJDEPE Hotline

MEASURES TAKEN TO CONTAIN, CLEANUP AND REMOVE THE DISCHARGE:

Chemistry personnel identifying the release isolated the line and wrapped the pipe in plastic to prevent any additional discharge. Stone and soil in the affected area was removed to a level where the pH of the soil was 7.9 standard units. The excavated soil and stone was placed in a 55 gallon drum for disposal as hazardous waste. Approximately 7.4 cubic feet of soil and stone were collected.

The estimated cleanup cost for this spill is \$800.00.

CORRECTIVE MEASURES:

A former dilution line was used to prevent pH excursions by tripping the caustic injection pump upon loss of circulating water flow. A faulty valve on this dilution line resulted in the discharge.

The dilution line has been tagged out of service.

DISCHARGE CONFIRMATION REPORT
DISCHARGE OF SODIUM HYDROXIDE AT HOPE CREEK GENERATING STATION
CASE #92-07-02-1000-51

INDIVIDUAL INVOLVED IN CONTAINMENT/CLEANUP:

Cleanup activities and disposal associated with the release of the sodium hydroxide were conducted by Site Services personnel. These individual is:

R. B. Lockwood
Yard Supervisor
Site Services Maintenance
Public Service Electric and Gas
Nuclear Department
P. O. Box 236, M/C N34
Hancocks Bridge, New Jersey 08038
(609) 339-5092

TYPE, QUANTITY, LOCATION AND DATE OF SAMPLES:

Eight ion electrode pH samples were taken of soil and liquid beneath the faulty valve on June 2, 1992.

INDIVIDUAL CONDUCTING ANALYSIS:

Robert Breslin, John Atkinson and Jeff Serfass
Public Service Electric & Gas
Chemistry Department
P.O. Box 236, MC H15
Hancocks Bridge, NJ 08038
(609) 339-3598

QUALITY ASSURANCE PROCEDURES:

The Hope Creek Generating Station is certified for the analysis of pH under NJAC 7:18 (Certificate No. 17451). Chemistry Department procedures require the use of check standards, blanks, buffers and control charts in accordance with NJAC 7:18-4.

SAMPLE METHODOLOGY:

pH - Ion Electrode

RATIONALE FOR SAMPLING LOCATION:

One sample was obtained from directly under the leaking fitting, another from where the release contacted the ground. Subsequent samples of the ground were analyzed to verify the soil removal was effective and the remaining soil was unaffected.

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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 Plan (DCR) as required by N.J.A.C. 7:1E-4.4(a)9.


CERTIFICATION

State of New Jersey:

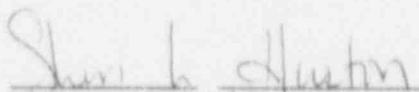
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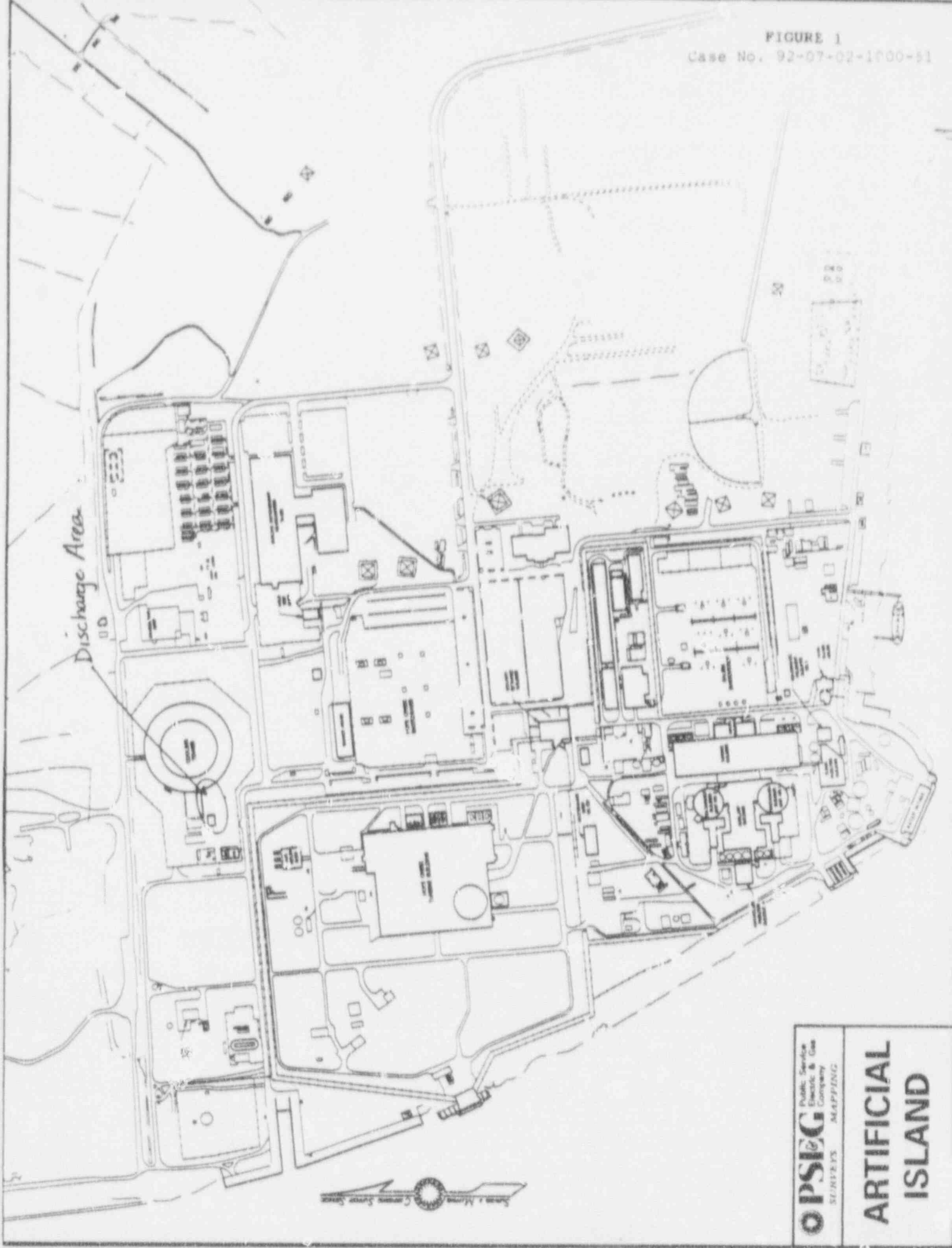
County of Salem :

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.


J. J. Hagan
General Manager -
Hope Creek Operations

Sworn and subscribed before me
on this 30 day of July, 1992.


Notary Public
NOTARY PUBLIC STATE OF NEW JERSEY
My Comm. Expires July 1, 1993
Commission Expiration Date



OPSEG Public Service Electric & Gas Company SURVEYS MAPPING	ARTIFICIAL ISLAND

