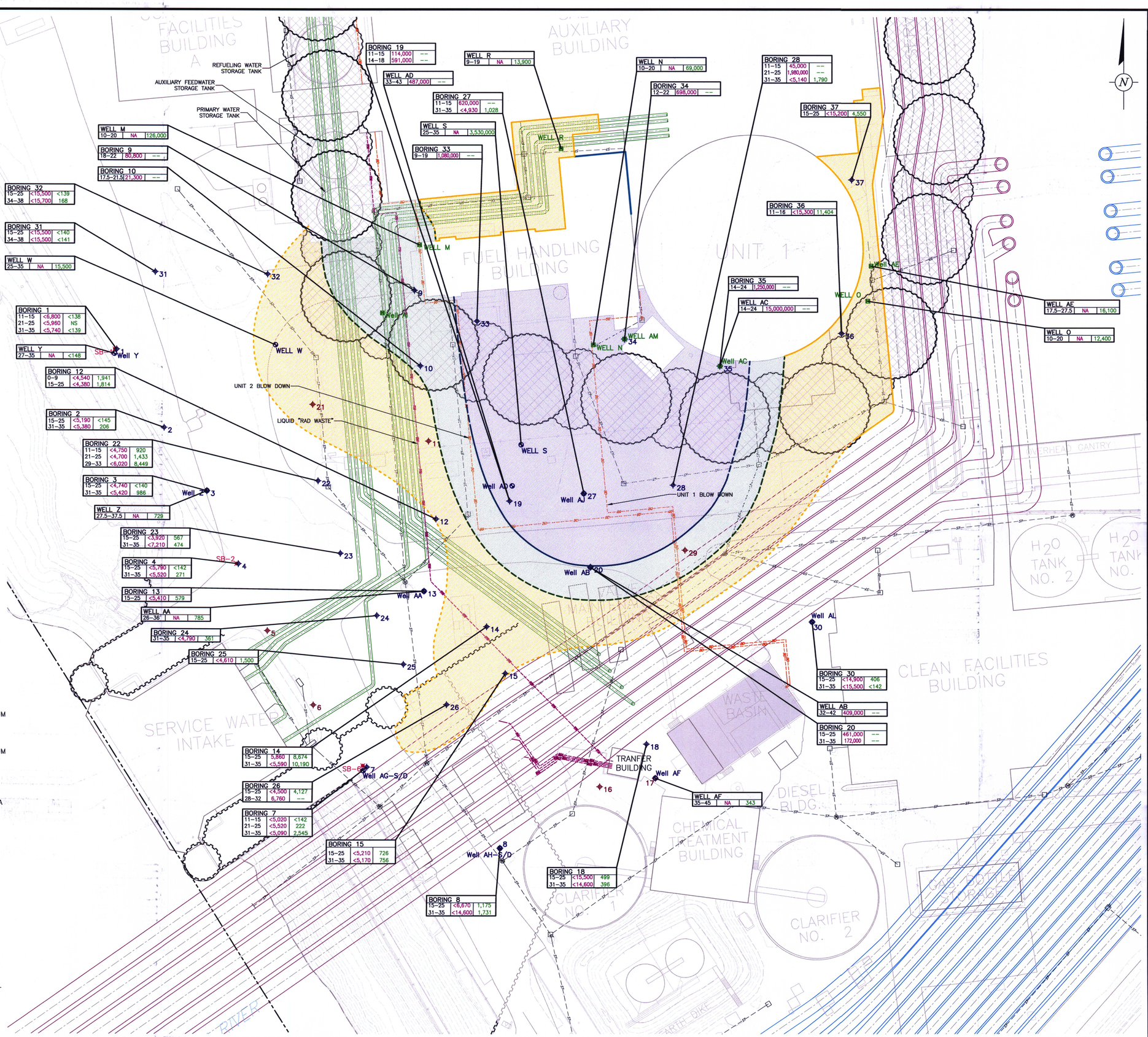


LEGEND:

WELL R — MONITORING WELL SCREENED IN THE SHALLOW, WATER-BEARING UNIT WITHIN THE LIMITS OF THE COFFERDAM, 20 FEET DEEP– TYPICAL (WELLS M, N, O, R, AC, AE, AI AND AM).

WELL S — MONITORING WELL SCREENED IN THE SHALLOW, WATER-BEARING UNIT OUTSIDE THE LIMITS OF THE COFFERDAM, 35 FEET DEEP– TYPICAL (WELLS S, T, U, W, Y, Z, AA, AB, AD, AF, AG(SHALLOW & DEEP, AH(SHALLOW & DEEP), AJ AND AL).

5 — GRAB GROUNDWATER SAMPLE LOCATION

16 — DISCONTINUED SAMPLE LOCATION

SB–1 — SOIL BORING LOCATION

PROPERTY BOUNDARY

BLOW DOWN PIPING

LIQUID "RAD" WASTE LINE

SEISMIC GAP (STYROFOAM)

SERVICE WATER PIPING

CIRCULATING WATER OUTLET PIPING

CIRCULATING WATER INLET PIPING

STORM SEWER PIPING

CATCH BASIN

MANHOLE (STORM SEWER)

SHEET PILE – EXTENDS FROM ABOVE THE WATER TABLE THROUGH THE KIRKWOOD FORMATION

SHEET PILE – DOES NOT EXTEND TO AN ELEVATION ABOVE THE WATER TABLE.

LIMIT OF GROUNDWATER WITH TRITIUM ABOVE 500,000 pCi/L

LIMIT OF GROUNDWATER WITH TRITIUM ABOVE THE NEW JERSEY GROUNDWATER QUALITY CRITERION (20,000 pCi/L)

LIMIT OF GROUNDWATER WITH TRITIUM ABOVE FURTHER INVESTIGATION CRITERION (3,000 pCi/L).

NOTES:

NS — NOT SAMPLED – UNABLE TO COLLECT A SUFFICIENT VOLUME OF GROUNDWATER FOR ANALYSIS

NA — ANALYTICAL RESULTS NOT AVAILABLE

-- — SAMPLE NOT SUBMITTED FOR ANALYSIS.

SAMPLING OF WELLS AG THROUGH AM WAS INITIATED IN MARCH 2004. ANALYTICAL RESULTS OF THE GROUNDWATER SAMPLES ARE PENDING.

IF MULTIPLE SAMPLES WERE COLLECTED AT A LOCATION, THE CONCENTRATION OF TRITIUM SHOWN IS THE HIGHEST DETECTED CONCENTRATION THROUGH JANUARY 2004.

| BORING 22 | | |
|---|---|---|
| 11–15 | <4,750 | 920 |
| 21–25 | <4,700 | 1,430 |
| 29–33 | <6,020 | -- |

BORING ID

CONCENTRATION, pCi/L (PSEG CHEMISTRY)

CONCENTRATION, pCi/L (MAPLEWOOD)

SAMPLE INTERVAL (FEET BELOW GROUND SURFACE)

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| NO. | DATE | REVISION DESCRIPTION | BY / CKD |
|---|---|---|---|

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PSEG NUCLEAR, LLC
SALEM GENERATING STATION

ARTIFICIAL ISLAND
HANCOCK'S BRIDGE, NEW JERSEY

# GROUNDWATER TRITIUM RESULTS

ARCADIS
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0 30 60 90
SCALE: 1"=30'

| PROJECT MANAGER | DEPARTMENT MANAGER |
|---|---|
| P. MILIONIS | D. FULTON |
| LEAD DESIGN PROF. | CHECKED |
| S. POTTER | B. PIERCE |
| DRAWN | DATE |
| M. WASILEWSKI | 2/27/03 |
| PROJECT NUMBER | DRAWING NUMBER |
| NP000571.0003 | 13 |

D-11

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