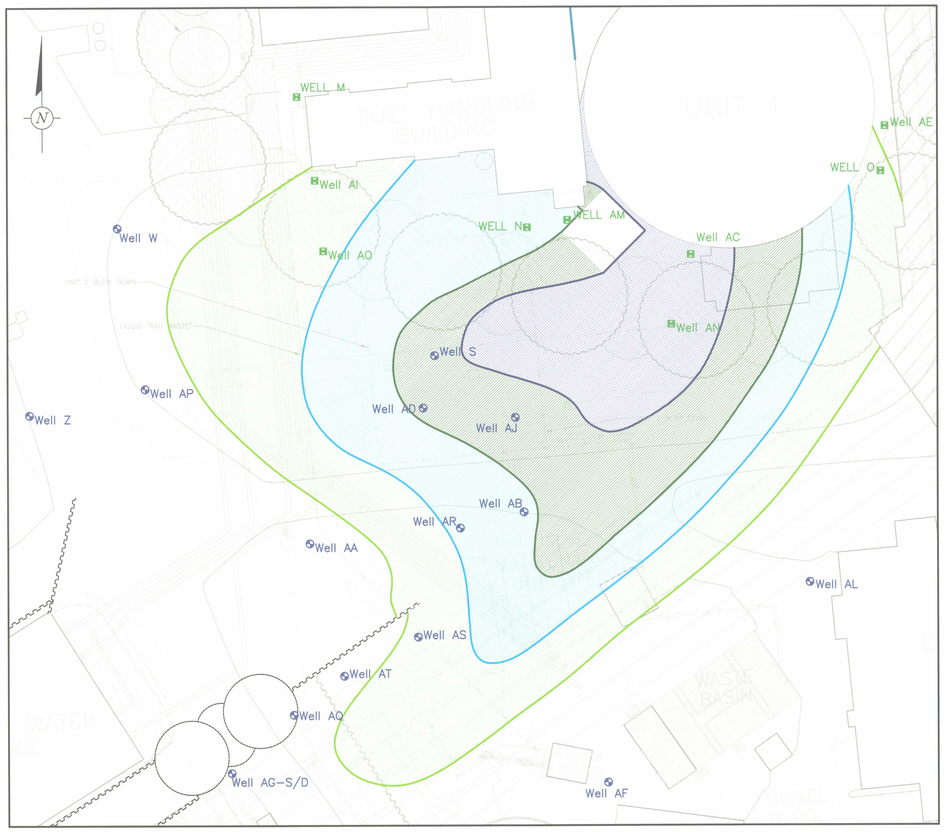
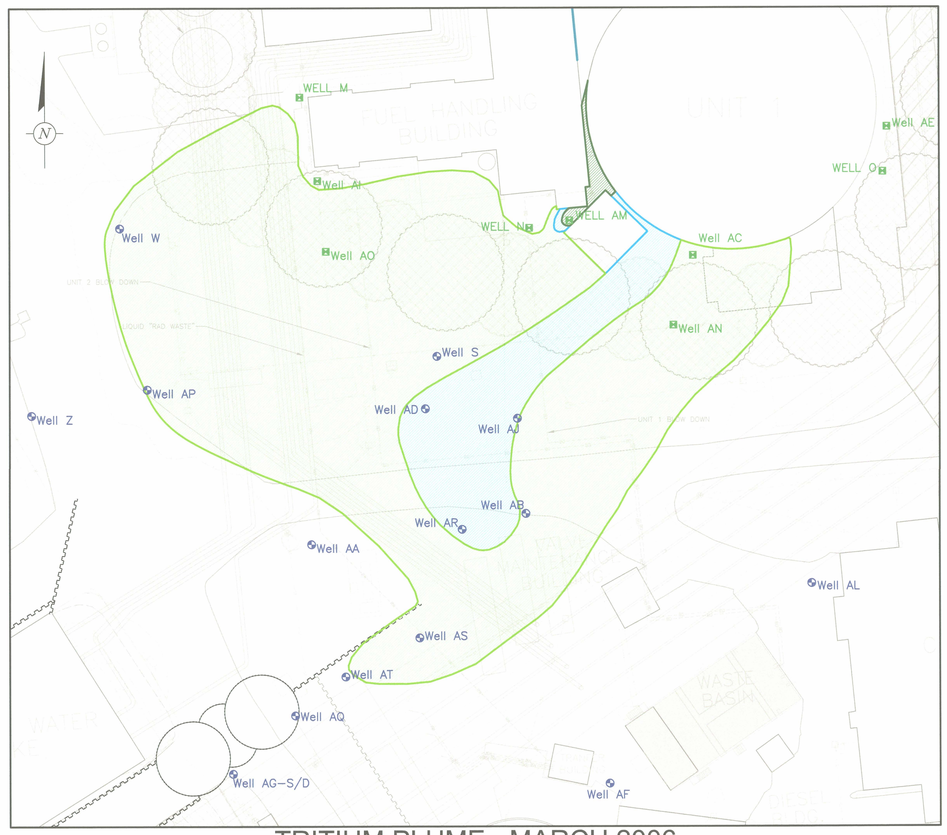


BASELINE TRITIUM PLUME - PRE-GROUNDWATER EXTRACTION - MARCH 2004

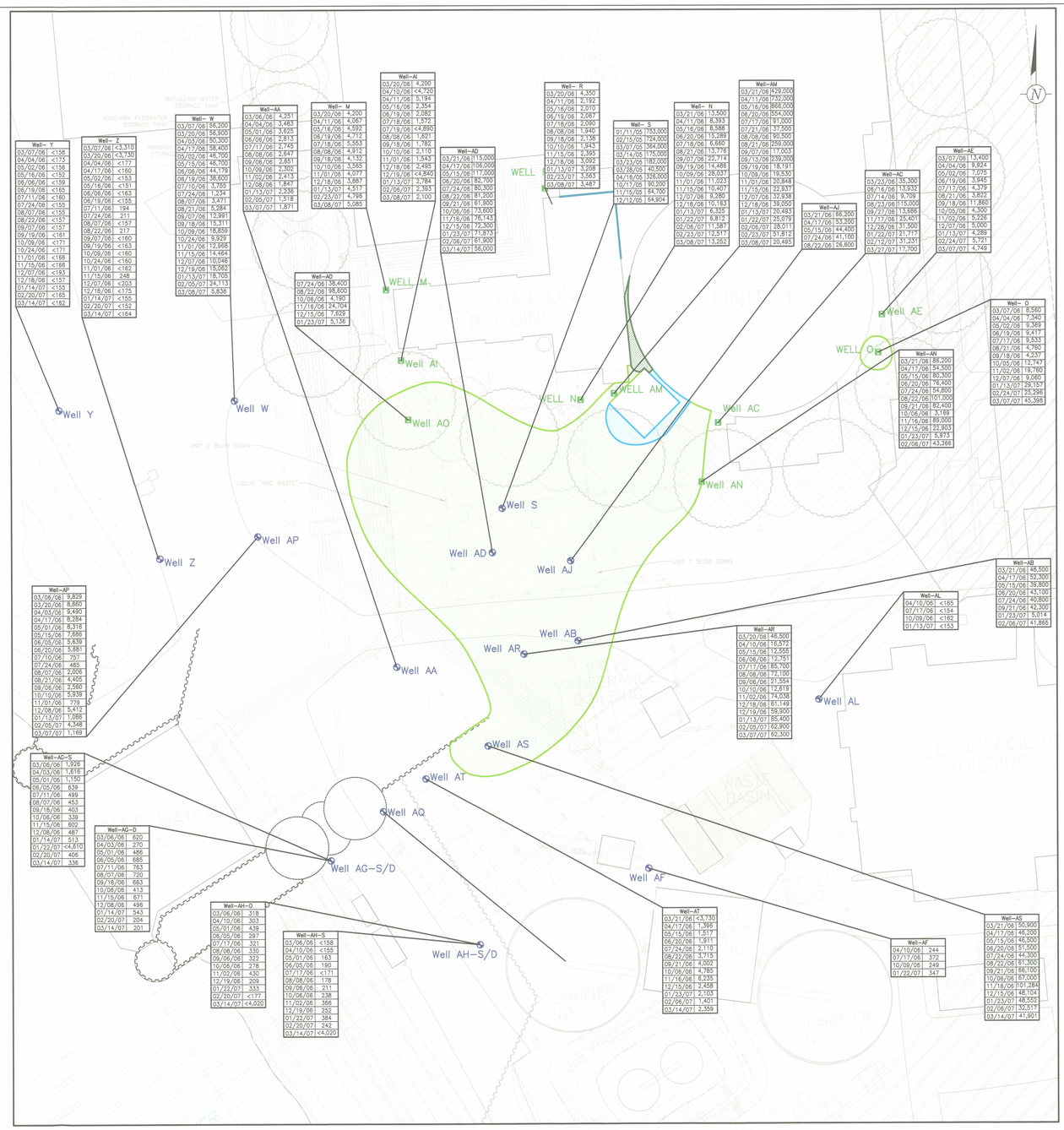
SCALE: 1"=30'



TRITIUM PLUME - MARCH 2006

PILOT SYSTEM IN SERVICE

SCALE: 1"=30'



TRITIUM PLUME - MARCH 2007

GROUNDWATER EXTRACTION SYSTEM IN SERVICE

SCALE: 1"=30'

LEGEND:

WELL R — MONITORING WELL SCREENED IN THE SHALLOW, WATER–BEARING UNIT WITHIN THE LIMITS OF THE COFFERDAM.

WELL S — MONITORING WELL SCREENED IN THE SHALLOW, WATER–BEARING UNIT OUTSIDE THE LIMITS OF THE COFFERDAM.

- LIMIT OF GROUNDWATER WITH TRITIUM ABOVE 1,000,000 pCi/L
- LIMIT OF GROUNDWATER WITH TRITIUM ABOVE 500,000 pCi/L
- LIMIT OF GROUNDWATER WITH TRITIUM ABOVE 100,000 pCi/L
- LIMIT OF GROUNDWATER WITH TRITIUM ABOVE THE NEW JERSEY GROUNDWATER QUALITY CRITERION (20,000 pCi/L)

NOTES:

1. CONTOURS FOR THE BASELINE TRITIUM PLUME ARE BASED ON DATA GENERATED DURING THE REMEDIAL INVESTIGATION.
2. WELL AQ SAMPLING DISCONTINUED AS WELL IS ISOLATED FROM GROUNDWATER FLOW
3. WELL S OUT OF SERVICE DUE TO LOW YIELD.
4. JULY 21 AUGUST 8 AND SEPTEMBER 13, SAMPLES ARE FROM MOBILE EXTRACTION UNIT.
5. AVERAGE SALEM AND BNE SAMPLE.

- 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.
- LOCATION OF THRUST BLOCK (DASHED WHERE INFERRED)

Area Manager: R. GAN
Project Director: P. MILIONIS
Task Manager: C. SHARPE
Technical Review: C. SHARPE

0 30 60 90
SCALE: 1"=30'

0 40 80 120
SCALE: 1"=40'

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PSEG NUCLEAR, LLC
SALEM GENERATING STATION

GROUNDWATER TRITIUM RESULTS

HANCOCK'S BRIDGE, NEW JERSEY

Project Number: NP000571.0005
Date: 24 MAY, 2007
Figure: 1

Acad Version: R.S.x. (LMS Tech)
Acad Drawing: Figure 2
Print Name: \\ARCADIS1\PUBS\Salem - Unit 1 - Hancock's Bridge\MAPS\LU\MXD - Combined Mapping and Geometry\LMS\GWTR-LYRPH 10\1\4-01 - GROUNDWATER TRITIUM RESULTS.12 (1).MXD 7/17/2007 10:45 AM
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