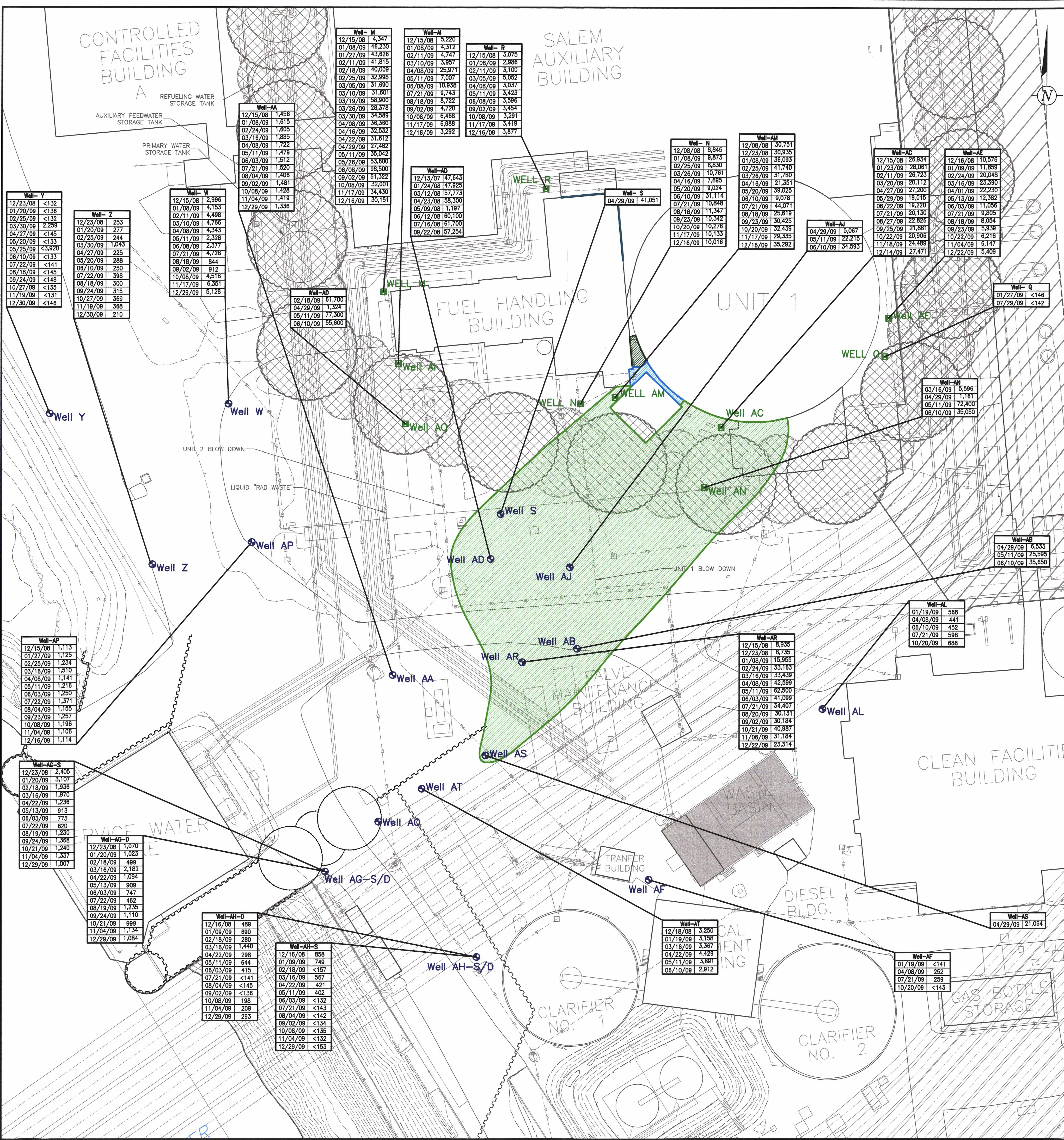


BASELINE TRITIUM PLUME - PRE-GROUNDWATER EXTRACTION - MARCH 2004



**TRITIUM PLUME - DECEMBER 2008
FULL SCALE SYSTEM IN SERVICE**



**TRITIUM PLUME - DECEMBER 2009
GROUNDWATER EXTRACTION SYSTEM IN SERVICE**

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)

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)

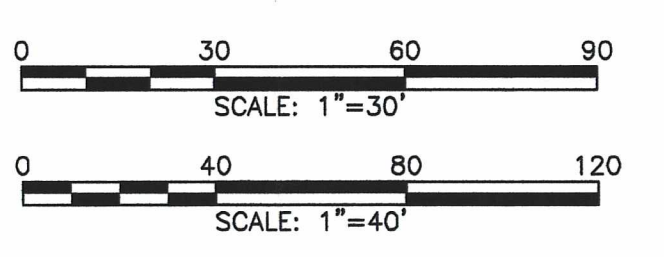
SHEET PILE - EXTENDS FROM ABOVE THE WATER TABLE THROUGH THE KIRKWOOD FORMATION

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

LOCATION OF THRUST BLOCK (DASHED WHERE INFERRED)

NOTES:

1. CONTOURS FOR THE BASELINE TRITIUM PLUME ARE BASED ON DATA GENERATED DURING THE REMEDIAL INVESTIGATION.
2. WELL AO SAMPLING DISCONTINUED AS WELL IS ISOLATED FROM GROUNDWATER FLOW.
3. WELL S OUT OF SERVICE DUE TO LOW YIELD.
4. REPLACED SEPTEMBER 2008 DATA POINT - DETERMINED TO BE NON-REPRESENTATIVE DUE TO PUMP FAILURE. OCTOBER 2008 GRAB SAMPLE RESULTS SUBSTITUTED.



PSEG NUCLEAR, LLC. SALEM GENERATING STATION, ARTIFICIAL ISLAND, HANCOCK'S BRIDGE, NEW JERSEY
REMEDIAL ACTION PROGRESS REPORT

GROUNDWATER TRITIUM RESULTS



CITY: Newburgh, NY; DIVISION: ENV; DB: M. M.; PROJECT: PSEG Salem - Unit 1 - Tritium Remediation - RC1; BUILDING: RM-P; MAP: TRAC; SHEET: TRAC; SCALE: 1/8"=1'-0"; DATE: 01/11/09; LAYOUT: 2; SAVE: 20081010 8:34 PM; ACADVER: 17; IS (LMS) TECH; PAGES: 17; PLOTSETUP: PLTSETUP1; PLOT: 3/1/2010 10:50 AM; BY: WASILEWSKI, MANT; PROJECTNAME: ARCADIS Color Logo.dwg; DATE: 20110515 00:01:01; USER: mant; XREFS: A0M-BASE; IMAGES: