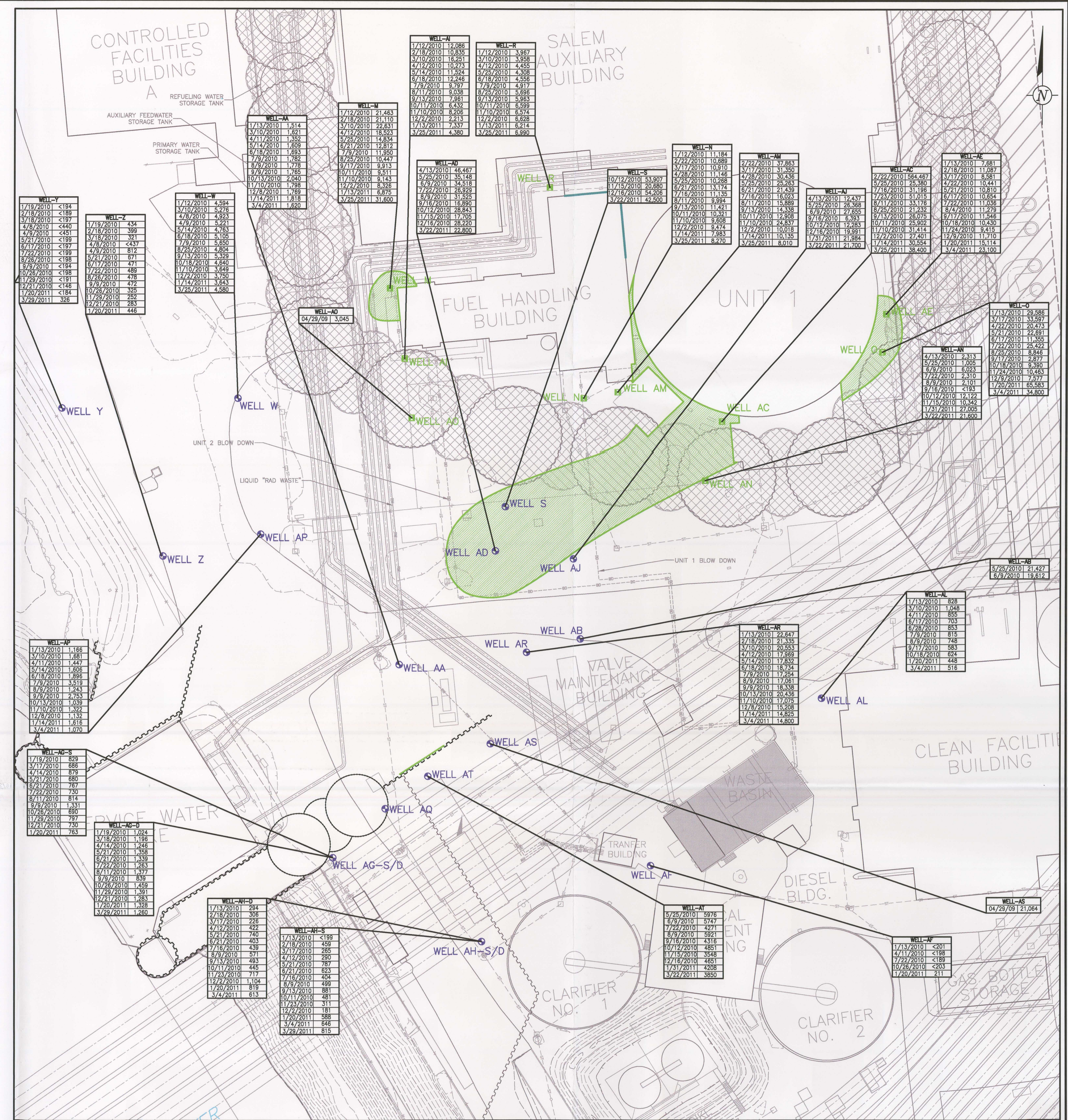




BASELINE TRITIUM PLUME - PRE-GROUNDWATER EXTRACTION - MARCH 2004
SCALE: 1"=30'



TRITIUM PLUME - MARCH 2010
FULL SCALE SYSTEM IN SERVICE
SCALE: 1"=30'

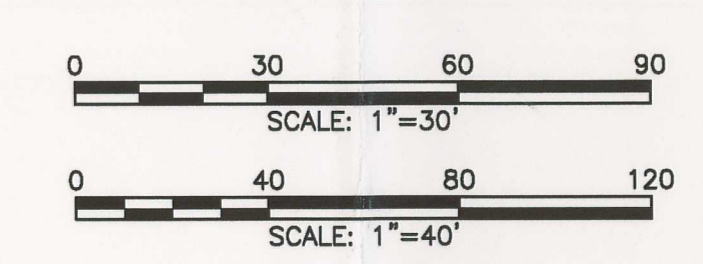


TRITIUM PLUME - MARCH 2011
GROUNDWATER EXTRACTION SYSTEM IN SERVICE
SCALE: 1"=30'

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 (Dark Green)
LIMIT OF GROUNDWATER WITH TRITIUM ABOVE 500,000 pCi/L (Medium Green)
LIMIT OF GROUNDWATER WITH TRITIUM ABOVE 100,000 pCi/L (Light Green)
LIMIT OF GROUNDWATER WITH TRITIUM ABOVE THE NEW JERSEY GROUNDWATER QUALITY CRITERION (20,000 pCi/L) (Yellow)

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 AQ 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.



CITY: Newtown Pa. DIV/GRUP: ENV. DB: M. Wasilowski LD: M. Wasilowski PJ: C. Balasoro
G:\ENVCAD\Drawings\ACT\PROJECT\00007\10010000000001_2011\FIG-02-01 TRITIUM PLUME 2011-03.dwg LAYOUT: 2
XREFS: A:\BASE_IMAGES\09080001.dwg
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ASC5547 1000.dwg
ARCADIS Color Logo.rtf
DOC 1031.TIF
esistmna.rtf
TEMP01.TIF

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

GROUNDWATER TRITIUM RESULTS