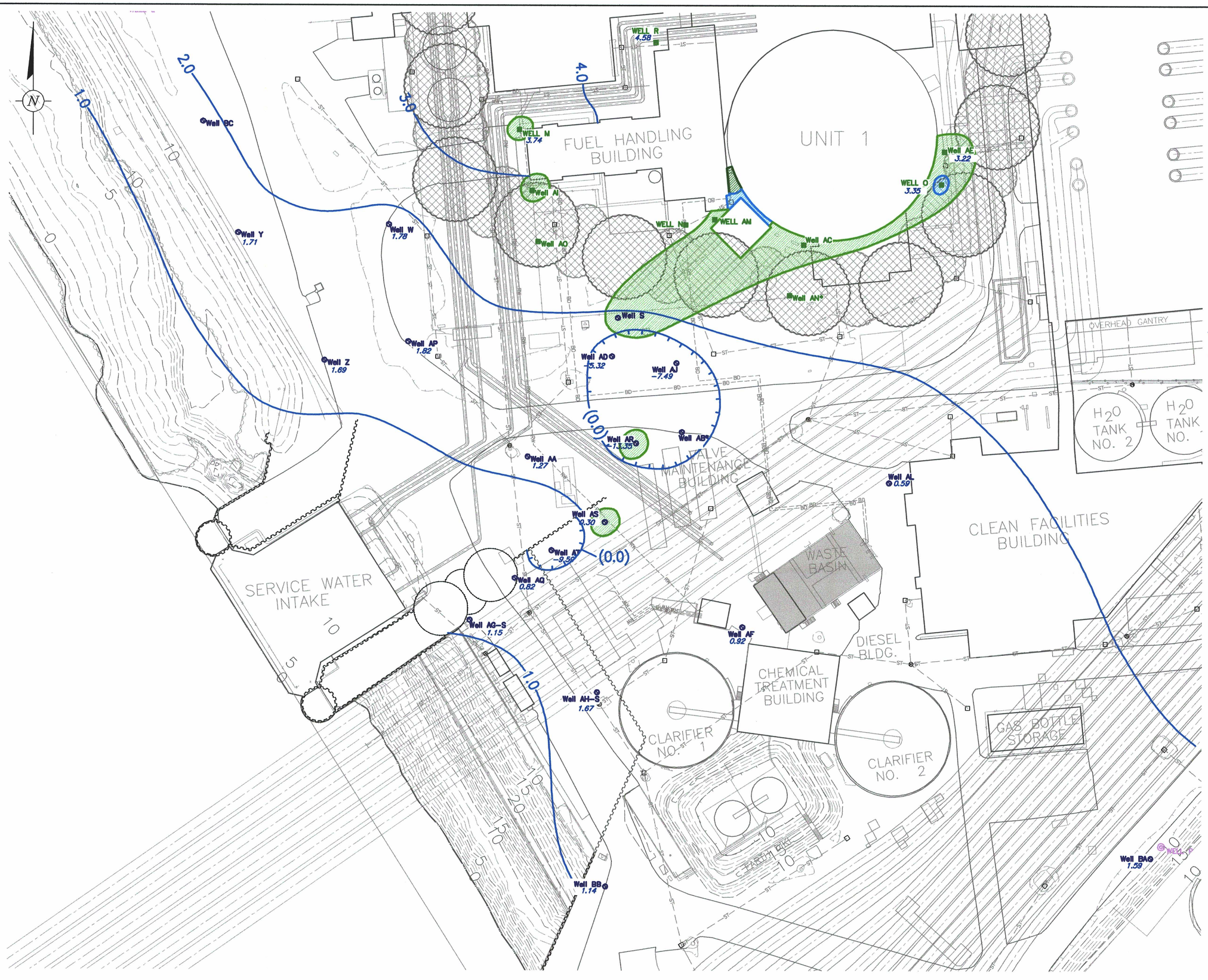

LEGEND:

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).
WELL L	MONITORING WELL SCREENED IN THE VINCENTOWN FORMATION, 80 FEET DEEP– TYPICAL (WELLS K, L, P, Q AND V).
–23.00	HISTORIC GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL – NAVD 1988)
3.19	GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL – NAVD 1988)
1.00	GROUNDWATER ELEVATION CONTOUR (0.5 FOOT INTERVAL)
	GROUNDWATER FLOW DIRECTION
	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
BD	BLOW DOWN PIPING
RW	LIQUID "RAD" WASTE LINE
	SERVICE WATER PIPING
	CIRCULATING WATER OUTLET PIPING
	CIRCULATING WATER INLET PIPING
ST	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.
AFST	AUXILIARY FEEDWATER STORAGE TANK
PWST	PRIMARY WATER STORAGE TANK
RWST	REFUELING WATER STORAGE TANK

NOTE:

1. 1. THE MEAN TIDE LEVEL OF THE DELAWARE RIVER AT ARTIFICIAL ISLAND IS 0.11 FT (NAVD 1988)
2. 2. CONTOUR INTERVAL FOR WATER LEVELS LESS THAN –1.0 FEET MSL IS LOGARITHMIC.
3. 3. EXTENT OF TRITIUM IN GROUNDWATER REPRESENTS DATA THROUGH DECEMBER 2007.
4. SYSTEM ONLY PARTIALLY OPERATIONAL

* ESTIMATED BASED ON HISTORICAL DATA

0 50 100
SCALE: 1"=50'

D-05

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

WATER TABLE ELEVATION CONTOURS DURING OPERATION OF THE PERMANENT SYSTEM MAY 2009

ARCADIS

FIGURE
5

CITY: Newtown, Pa DIV/GROUP: ENV DB: M. Wasilewski LD: M. Wasilewski PIC: J. Ballato PM: P. Milionis TM: C. Sturge LYR:(On)ON=*;OFF=*REF*
G:\APROJECT\PSEG\Salem - Unit 1 - Tritium\NP000571.0009\CADD\CTR_4_RAP\FIG-05 - Water Table Elevation Contours - MAY 2009.dwg LAYOUT: 5 SAVED: 3/4/2010 5:19 PM ACADVER: 17.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS(SIZE A-B).CTB PLOTTED: 3/4/2010 5:19 PM
B1: WASILEWSKI, MATT PROJECTNAME: ---
XREFS: IMAGES:
ASBUILBASE_FINAL-Sheet1 Salem Outline.jpg
img-3031350-0002.tif
img-3031350-0003.tif
salemnvd.JPG