



**LEGEND**

- 175  
13.9 MONITORING WELL ID WITH DETECTED Sr-90 CONCENTRATION (IN pCi/L) FROM FOURTH QUARTER 2015.
- BGRR GP-84  
31.4 TEMPORARY WELL LOCATION WITH MAXIMUM DETECTED Sr-90 RESULTS pCi/L, SAMPLES OBTAINED DURING APRIL, MAY, JUNE & JULY 2015.
- WCF-GP-01 TEMPORARY WELL LOCATION REFERENCE FOR SAMPLES OBTAINED DURING MARCH, APRIL 2015.
- ⊕ SR-1 EXTRACTION WELL ID
- 8 ISOCONCENTRATION LINE REPRESENTING LINE OF EQUAL Sr-90 CONCENTRATION (IN pCi/L) (DASHED WHERE INFERRED)
- CROSS SECTION LINE
- ≥ 8-49 pCi/L Sr-90 CONCENTRATION
- ≥ 50-99 pCi/L Sr-90 CONCENTRATION
- ≥ 100-499 pCi/L Sr-90 CONCENTRATION
- BNL RECHARGE BASIN
- ENGINEERED CAP
- 75 BNL GRID NUMBER
- pCi/L - PICO CURIES PER LITER
- HFBR - HIGH FLUX BEAM REACTOR
- WCF - WASTE CONCENTRATION FACILITY
- BGRR - BROOKHAVEN GRAPHITE RESEARCH REACTOR
- NOTES:
- "<MDA" INDICATES BELOW MINIMUM DETECTABLE ACTIVITY.
- "NS" INDICATES NOT SAMPLED.
- CONTOUR INTERVAL AS SHOWN.
- IN WELL CLUSTERS THE HIGHEST Sr-90 VALUE WAS USED IN CONTOURING AND DETERMINING PLUME EXTENTS.

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ENVIRONMENTAL PROTECTION DIVISION

TITLE:  
**OU III BGRR/WCF  
 Sr-90 PLUME DISTRIBUTION**  
 2015 BNL GROUNDWATER STATUS REPORT

DWN: AJZ	VT.HZ.: -	DATE: 06/14/16	PROJECT NO.: -
CHKD: JEB	APPD: WRD	REV.: -	NOTES: -
FIGURE NO.:		3.2.15-1	