

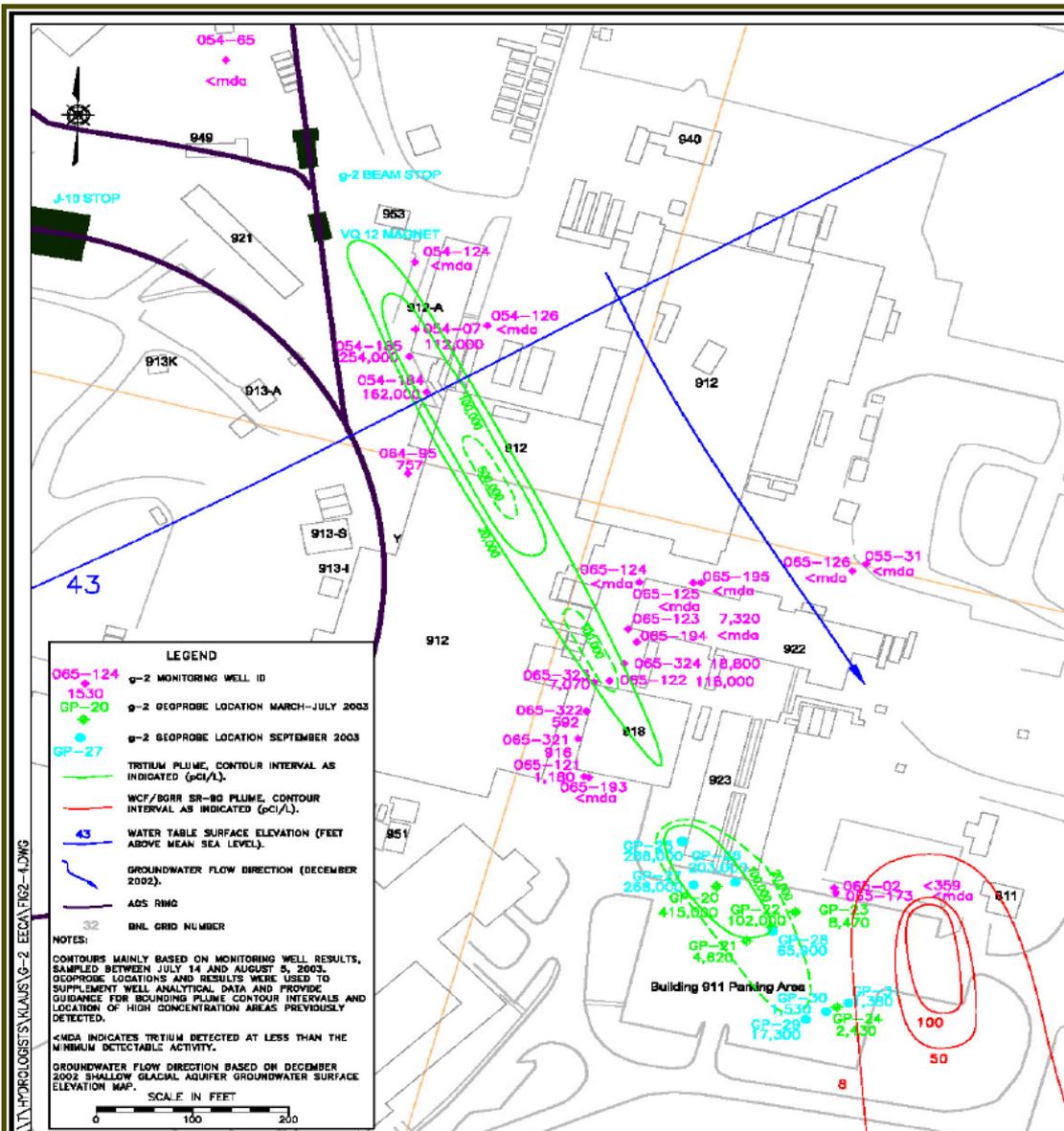
Take 5 for Safety

E. Lessard
April 28, 2014

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a passion for discovery





LEGEND

- 065-124 1530 g-2 MONITORING WELL ID
- GP-20 g-2 GEOPROBE LOCATION MARCH-JULY 2003
- GP-27 g-2 GEOPROBE LOCATION SEPTEMBER 2003
- TRITIUM PLUME, CONTOUR INTERVAL AS INDICATED (pCi/L).
- WCF/BGR SR-80 PLUME, CONTOUR INTERVAL AS INDICATED (pCi/L).
- 43 WATER TABLE SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL).
- GROUNDWATER FLOW DIRECTION (DECEMBER 2002).
- ADS RING
- 32 BNL GRID NUMBER

NOTES:

CONTOURS MAINLY BASED ON MONITORING WELL RESULTS, SAMPLED BETWEEN JULY 14 AND AUGUST 5, 2003. GEOPROBE LOCATIONS AND RESULTS WERE USED TO SUPPLEMENT WELL ANALYTICAL DATA AND PROVIDE GUIDANCE FOR BOUNDING PLUME CONTOUR INTERVALS AND LOCATION OF HIGH CONCENTRATION AREAS PREVIOUSLY DETECTED.

<mda INDICATES TRITIUM DETECTED AT LESS THAN THE MINIMUM DETECTABLE ACTIVITY.

GROUNDWATER FLOW DIRECTION BASED ON DECEMBER 2002 SHALLOW GLACIAL AQUIFER GROUNDWATER SURFACE ELEVATION MAP.

SCALE IN FEET

0 100 200

\\V:\HYDROLOGIST\WALUS\G-2_ECA\FIG2-4.DWG

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GROUNDWATER
PROTECTION PROGRAM

2003 g-2 TRITIUM PLUME
DRAFT DATA AND UNSERVED
LOCATIONS

g-2 ENGINEERING EVALUATION/COST ANALYSIS

DWN: KCK	VT:H.Z.: -	DATE: 10/15/03	PROJECT NO.: 07176
CHKD: DEP	APPD: DBB	REV.: 1	NOTES:
FIGURE NO.: 2-4			

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Example Soil Sample Results

Location or Area	Soil Na-22 results (pCi/g)	Leachate Na-22 (pCi/L)	Leachate Na-22 (pCi/L)*	Leachate H-3 (pCi/L)	Leachate H-3 (pCi/L) *
913 ATR Extraction	0.138	20.6	34.3	217	361
L20 BTA Injection 90 deg.	2.02	301	340	3170	3580
RHIC Lambertson Yellow 90 deg.	0.04	5.96	12.5	62.8	132
RHIC Lambertson Blue 90 deg.	0.126	18.8	25.8	198	272

* 95% confidence that the actual value does not exceed the result reported in these columns; Limits are 20,000 pCi/L H-3 and 400 pCi/L Na-22

Photo of the Week – Feeling Lucky

- This save-a-minute ingenuity often results from not having a ladder
- He wouldn't even have had to use the Not-a-Step
- He just had to move the vending machine out of the way, and he was even prepared for that

