

**Performance Materials and Technologies**

Honeywell  
P.O. Box 430  
2768 North US 45 Road  
Metropolis, IL 62960

July 2, 2012

CERTIFIED MAIL: 7011 0470 0000 6688 7089

Attention: Document Control Desk  
Director, Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Docket No. 40-3392  
License SUB-526

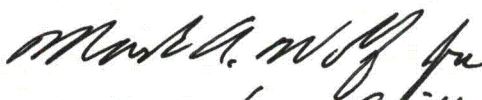
Subject: Response to Request by NRC for additional soil samples taken in a separate analysis in 2009. This information is related to the Surface Impoundment Decommissioning Plan (TACL32759)

Attached is Honeywell's response to the request for additional information concerning additional soil samples taken during a separate analysis in 2009. This information is related to the surface impoundment decommissioning plan (TACL32759), and was requested at the October 5, 2011 plant site inspection and tour conducted for the above mentioned decommissioning plan (TACL32759).

In accordance with 10 CFR 2.390 there is a map within the enclosed marked "SECURITY-RELATED INFORMATION, WITHHOLD FROM PUBLIC DISCLOSURE" and it is not suitable for release to the public.

If you or your staff have any questions or require additional information, please contact Bob Stokes, Regulatory Affairs and Radiation Protection Manager, at (618) 524-6341.

Sincerely,

  
Larry A. Smith  
Plant Manager

Enclosures

cc: John Sulima, NMSS Project Manager  
Mail Stop EBB 2-C40M  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

NMSS01

TABLE 1  
2009 SITE RADIOLOGICAL CHARACTERIZATION  
HONEYWELL - METROPOLIS WORKS

NO.	NORTHING	EASTING	GROUND ELEVATION	SAMPLE ID	FIELD COUNT DATA TOTAL URANIUM (pCi/g) <sup>(1)</sup>				LABORATORY COUNT DATA TOTAL URANIUM (pCi/g) <sup>(1) (4)</sup>				GAMMA SPEC TOTAL URANIUM (pCi/g) <sup>(1)</sup>			
					6-INCH DEPTH	18-INCH DEPTH	36-INCH DEPTH	72-INCH DEPTH	6-INCH DEPTH	18-INCH DEPTH	36-INCH DEPTH	72-INCH DEPTH	6-INCH DEPTH	18-INCH DEPTH	36-INCH DEPTH	72-INCH DEPTH
275	183,769.63	860,385.23	378.00	P20-A4	18.9	NC	34.6	NC	21.0	NC	2.2	NC	NC	NC	NC	NC
284	183,952.02	860,351.92	376.00	P21-A3	< MDC	NC	< MDC	NC	NC	NC	2.4	NC	NC	NC	NC	NC
288	183,653.55	859,733.90	376.07	P21-B2	16.8	NC	2.1	NC	1.1	NC	NC	NC	<MDC	NC	NC	NC
291	183,575.16	860,499.57	377.70	P21-B5	76.6	NC	66.4	33.0	52.8	NC	40.3	3.0	55.6	NC	NC	NC
354	183,949.42	859,959.69	370.42	P26-A5	11.3	NC	34.3	NC	NC	NC	2.5	NC	NC	NC	NC	NC
355	183,753.59	859,748.37	373.28	P26-A6	27.6	NC	33.4	NC	NC	NC	1.5	NC	NC	NC	NC	NC
358	183,699.24	859,680.22	370.47	P26-A9	34.2	NC	38.6	NC	4.4	NC	NC	NC	NC	NC	NC	NC
359	184,076.57	860,092.05	370.87	P26-A10	30.9	NC	36.6	NC	4.8	NC	0.5	NC	NC	NC	NC	NC
363	183,628.82	859,656.95	365.38	P26-B1	33.2	NC	40.9	NC	1.1	NC	1.7	NC	NC	NC	NC	NC
365	183,154.00	860,144.29	361.64	P26-B3	<MDC	NC	26.3	NC	NC	NC	0.9	NC	NC	NC	NC	NC
366	183,301.20	860,303.93	371.17	P26-B4	<MDC	NC	26.2	NC	NC	NC	0.5	NC	NC	NC	NC	NC
386	183,164.18	860,083.75	362.21	P26-B24	52.3	NC	40.5	NC	20.0	NC	2.4	NC	20.0	NC	NC	NC
388	183,545.63	859,737.35	361.06	P26-B26	34.9	NC	22.7	NC	3.0	NC	0.9	NC	NC	NC	NC	NC

Notes:

(1) All results are for total uranium in picoCuries per gram (pCi/g).

(2) <MDC = less than minimum detectable concentration

(3) P = plant area NP = non-plant area

(4) Bold value indicates result is from gamma spectroscopy laboratory analysis. All other laboratory values are from integrated coupled plasma mass spectroscopy (ICP/MS).