

Environmental Laboratory Analysis Report

Report Number: 43525

Report Date: 04/23/10

2.2



AREVA

29 Research Drive
Westboro, MA 01581
508-573-6650

Customer
Omaha Public Power District
Fort Calhoun Nuclear Station

Product H-3

Fort Calhoun, NE 68023-0550
Attn: Jim Shipman

Printed on 04/23/10
Receipt Date 04/05/10

LSN	Client ID & Description	Reference Date	Analysis Date	Nuclide	Activity Concentration		TPU 1 Sigma (pCi/L)	Measured MDC (pCi/L)	Required MDC (pCi/L)	Reporting Flags Level Ratio
					+/-	2-Sigma				
<u>Ground Water</u>										
L16362-01	MW-1A	03/23/2010	04/16/2010	H-3	5E+01	+/- 1.5E+02	7.6E+01	2.4E+02	3.0E+02	
L16362-02	MW-1B	03/23/2010	04/16/2010	H-3	1.2E+02	+/- 1.5E+02	7.7E+01	2.4E+02	3.0E+02	b < 30
L16362-03	MW-2	03/23/2010	04/17/2010	H-3	1.2E+02	+/- 1.5E+02	7.7E+01	2.4E+02	3.0E+02	
L16362-04	MW-2A	03/23/2010	04/17/2010	H-3	2.6E+02	+/- 1.5E+02	7.7E+01	2.4E+02	3.0E+02	b > 30
L16362-05	MW-2B	03/23/2010	04/17/2010	H-3	2E+02	+/- 1.5E+02	7.6E+01	2.4E+02	3.0E+02	b < 30
L16362-06	MW-3	03/23/2010	04/17/2010	H-3	1.3E+02	+/- 1.5E+02	7.6E+01	2.4E+02	3.0E+02	
L16362-07	MW-3A	03/23/2010	04/17/2010	H-3	3.3E+02	+/- 1.5E+02	7.8E+01	2.4E+02	3.0E+02	b > 30
L16362-08	MW-3B	03/23/2010	04/17/2010	H-3	2.8E+02	+/- 1.5E+02	7.8E+01	2.4E+02	3.0E+02	b > 30

- Flags:
- a The measured MDC is greater than the required MDC.
 - b The activity concentration is greater than two times its one sigma counting uncertainty.

c: Jim Hoffman
Ronald Beck

Approved by

[Signature] 4/23/10
for C.A. Shelton
Sample Control & Measurements Lead

Environmental Laboratory Analysis Report

Report Number: 43525

Report Date: 04/23/10



AREVA

29 Research Drive
Westboro, MA 01581
508-573-6650

Customer
Omaha Public Power District
Fort Calhoun Nuclear Station

Product: H-3

Fort Calhoun, NE 68023-0550
Attn: Jim Shipman

Printed on 04/23/10
Receipt Date 04/05/10

LSN	Client ID & Description	Reference	Analysis	Nuclide	Activity Concentration		TPU	Measured	Required	Reporting Flags Level Ratio	
		Date	Date		+/-	2-Sigma	1 Sigma	MDC	MDC		
					(pCi/L)	(pCi/L)	(pCi/L)	(pCi/L)	(pCi/L)		
<u>Ground Water</u>											
	L16362-01 MW-1A	03/23/2010	04/16/2010	H-3	5E+01	+/- 1.5E+02	7.0E+01	2.4E+02	3.0E+02		
	L16362-02 MW-1B	03/23/2010	04/16/2010	H-3	1.0E+02	+/- 1.5E+02	7.7E+01	2.4E+02	3.0E+02	b	< 3σ
	L16362-03 MW-2	03/23/2010	04/17/2010	H-3	1.2E+02	+/- 1.5E+02	7.7E+01	2.4E+02	3.0E+02		
	L16362-04 MW-2A	03/23/2010	04/17/2010	H-3	2.6E+02	+/- 1.5E+02	7.7E+01	2.4E+02	3.0E+02	b	> 3σ
	L16362-05 MW-2B	03/23/2010	04/17/2010	H-3	2E+02	+/- 1.5E+02	7.6E+01	2.4E+02	3.0E+02	b	< 3σ
	L16362-06 MW-3	03/23/2010	04/17/2010	H-3	1.3E+02	+/- 1.5E+02	7.6E+01	2.4E+02	3.0E+02		
	L16362-07 MW-3A	03/23/2010	04/17/2010	H-3	3.3E+02	+/- 1.5E+02	7.8E+01	2.4E+02	3.0E+02	b	> 3σ
	L16362-08 MW-3B	03/23/2010	04/17/2010	H-3	2.8E+02	+/- 1.5E+02	7.8E+01	2.4E+02	3.0E+02	b	> 3σ

Flags: a. The measured MDC is greater than the required MDC.
b. The activity concentration is greater than two times its one sigma counting uncertainty.

c. Jim Hoffman
Ronald Beck

Approved by:

[Signature] 4/23/10
C.A. Shelton
Sample Control & Measurements Lead

Environmental Laboratory Analysis Report

Report Number: 43527

Report Date 04/23/10



AREVA

29 Research Drive
Westboro, MA 01581
508-573-6650

Customer

Omaha Public Power District
Fort Calhoun Nuclear Station

Product H-3

Fort Calhoun, NE 68023-0550

Attn: Jim Shipman

Printed on 04/23/10

Receipt Date 04/09/10

LSN	Client ID & Description	Reference	Analysis	Nuclide	Activity Concentration	TPU	Measured	Required	Reporting
		Date	Date		+/- 2-Sigma (pCi/L)	1 Sigma (pCi/L)	MDC (pCi/L)	MDC (pCi/L)	
<u>Ground Water</u>									
L16362-17	MW-10	05/23/2010	04/19/2010	H-3	1.5E+02 +/- 1.5E+02	7.7E+01	2.4E+02	3.0E+02	
L16362-18	MW-11	03/23/2010	04/19/2010	H-3	2.3E+02 +/- 1.5E+02	7.7E+01	2.4E+02	3.0E+02	b < 30
L16362-19	MW-12B	03/23/2010	04/19/2010	H-3	1.5E+02 +/- 1.5E+02	7.7E+01	2.4E+02	3.0E+02	b < 30
L16362-20	DUPLICATE	03/23/2010	04/20/2010	H-3	1.9E+02 +/- 1.6E+02	7.8E+01	2.4E+02	3.0E+02	b < 30
L16362-21	LABORATORY CONTROL STANDARD	04/05/2010	04/20/2010	H-3	2.77E+03 +/- 1.8E+02	1.1E+02	2.4E+02	3.0E+02	b
L16362-22	BLANK	04/05/2010	04/20/2010	H-3	7E+01 +/- 1.5E+02	7.6E+01	2.4E+02	3.0E+02	
L16362-23	WEST LAGOON	03/30/2010	04/20/2010	H-3	2.3E+02 +/- 1.5E+02	7.7E+01	2.4E+02	3.0E+02	b < 30
L16362-24	EAST LAGOON	03/30/2010	04/20/2010	H-3	2.8E+02 +/- 1.5E+02	7.7E+01	2.3E+02	3.0E+02	b > 30

- Flags:
- a The measured MDC is greater than the required MDC.
 - b The activity concentration is greater than two times its one sigma counting uncertainty.

cc: Jim Hoffman
Ronald Beck

Approved by

J. A. Shelton 4/23/10
for C.A. Shelton
Sample Control & Measurements Lead