Pond Discharge Notification Cover Sheet
Date: 4/30/2010
Total pages including cover sheet = 3

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From: George Squibb, Rocky Flats Surface Water Lead, telephone (303) 994-0145

Re: Discharge notification for Rocky Flats Pond A-4.

Initial pre-discharge samples for Pond A-4 were collected on 4/7/10. All results indicate that water quality is acceptable for discharge. The pre-discharge sample results are attached below; Rocky Flats contract lab results are preliminary. A validation report for the Rocky Flats contract lab results will accompany a subsequent notification.

Discharge of Pond A-4 is scheduled to begin on 5/1/10 at 1:00 p.m.

Pond A-4 will be direct discharged using the outlet works to North Walnut Creek through Point of Compliance (POC) location GS11. All required monitoring at downstream POCs GS11 and GS03 (Walnut Creek at Indiana Street) will be performed according to the normal protocols in Attachment 2 to RFLMA. The discharge is expected to continue for 14-21 days, with a total discharge volume of approximately 23.0 million gallons.

Please contact me if you have questions.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : SM Stoller––Grand Junction
Address : 2597 B 3/4 Road
Grand Junction, Colorado 81503

Report Date: April 30, 2010

Contact: Mr. Steve Donivan
Project: **Rocky Flats SW – ALS D**

Client Sample ID:	IFZ 936/A4 POND	Project:	STOL00600
Sample ID:	250689001	Client ID:	STOL006
Matrix:	WC		
Collect Date:	07–APR–10 11:30		
Receive Date:	08–APR–10		
Collector:	Client		

Parameter	Qualifier	Result		DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Metals Analysis–ICP–MS											
3005/6020 Uranium "As Received"											
Uranium		13.6		0.050	0.200	ug/L	1	BCD1 04/28/10	0519	973470	1
Nutrient Analysis											
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"											
NO2+NO3 as N		4.26		0.100	0.500	mg/L	10	AXH3 04/13/10	1131	972697	2
Rad Alpha Spec Analysis											
Alphaspec Am241 Liquid "As Received"											
Americium–241	U	ND	+/–0.00544	0.0153	0.030	pCi/L		AYB1 04/20/10	2259	975905	3
Alphaspec Pu–239/240, Liquid "As Received"											
Plutonium–238		0.0172	+/–0.0121	0.0163	0.030	pCi/L		AYB1 04/20/10	2301	976117	4
Plutonium–239/240	U	ND	+/–0.00635	0.0108	0.030	pCi/L					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP–MS 3005 PREP	LYH1	04/13/10	0915	973469

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 3005/6020	
2	EPA 353.2	
3	DOE EML HASL–300, Am–05–RC Modified	
4	DOE EML HASL–300, Pu–11–RC Modified	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Americium–243 Tracer	Alphaspec Am241 Liquid "As Received"			59.0	(15%–125%)
Plutonium–236 Tracer	Alphaspec Pu–239/240, Liquid "As Received"			85.3	(15%–125%)

Bill Ritter, Jr., Governor
Martha E. Rudolph, Executive Director

STATE OF COLORADO

Dedicated to protecting and improving the health and environment of the people of Colorado

Laboratory Services Division
8100 Lowry Boulevard Denver, CO 80230
PO Box 17123 Denver, CO 80217
303-692-3090
www.cdphe.state.co.us/lr

Colorado Department of Public Health and Environment

Laboratory Results For Sample Number: ENV-2010003773-

Site ID/PWSID

Site Address

Site Description ROCKY FLATS POND A4

Customer ID 00008835

Customer CDPHE - HMWMD - Rocky Flats Unit
4300 Cherry Creek Drive South

Denver CO 80246

Contact Carl Spreng
Phone x3358
Fax
Email

Collected By CS
Collected 04/07/2010 12:50:00
Received 04/07/2010 15:47:00
Reported 04/26/2010 00:00:00
Bottles 2 CUB, 2-250 M, 1-250 NUT, 1-250 NEUT
Matrix Surface Water
Field Fluoride
Residual Chlorine
Temperature at Receipt 12.3C

Test Name	Result	Units	MCL	MDA	Method Name	Date Analyzed	Qualifier
Plutonium-239+240	< 0.005	pCi/L	NA	0.005	ASTM-3084-89	04/24/2010 00:00:00	
Americium-241	< 0.037	pCi/L	NA	Varies	ASTM-3084-89	04/24/2010 00:00:00	Q
Uranium, Total	0.010	mg/L	NA	0.001	EPA 200.8	04/13/2010 00:00:00	
Nitrogen, Nitrate/Nitrite	4.4	mg/L	NA	0.03	EPA 353.2	04/12/2010 00:00:00	

Comments:
Q = Am-243 tracer recovery outside normal QC limits.

Am-241 MDA = 0.37 pCi/l.

Registry Comments:

MDA - Minimum Detectable Activity. MCL - Maximum Contaminant Limit per EPA regulations.
BDL - Below Detection Limit. H - Holding Time exceeded. Q - Quality Control limit exceeded. NT - No Test.
Units: mg/L - milligrams per liter (ppm), ug/L - micrograms per liter (ppb), pCi - picoCuries
LSD Internet Address: http://www.cdphe.state.co.us/lr/lrhom.htm