

Gent, Philip (ECY)

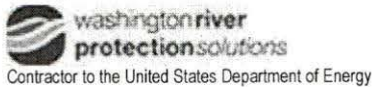
From: Dyekman, Dale L <Dale_L_Dyekman@rl.gov>
Sent: Thursday, March 31, 2016 4:23 PM
To: Gent, Philip (ECY)
Cc: Huffman, Lori A; Bowser, Dennis W; Voogd, Jeffrey A; Allen, Ruth M; Joyner, Jessica A; Mcneel, Kliss R; Moritzky, Sebastian A; Klages, Deanna L; Meyers, George H; Strasser, David W; Synoground, Todd C; Cherry, Stephen B; Way, Kenneth J; McClellan, Jeffrey L
Subject: TOC-ENV-NOT-2016-4228: Analytical Results for 241-AY/AZ Ventilation System Stack Samples
Attachments: TOC-ENV-NOT-2016-4228 Analytical Results Submitted to Ecology for 241-AY-AZ Ventilation System Stack Samples Rev01.pdf

Phil,

Per the requirements of Ecology approval order DE11NWP-001 Rev04 paragraph 3.5.2.1.4, please see attached subject notification containing preliminary analytical results for stack samples collected March 4, 2016 from the 241-AY/AZ primary ventilation system.

Feel free to call or e-mail with any questions you may have, thank you.

Dale Dyekman
Environmental Compliance
(509) 372-2678



ENVIRONMENTAL OPERATIONAL ACTIVITIES NOTIFICATION

Date: 3/31/2016

TOC-ENV-NOT: 2016-4228

Name: Dale Dyekman

Revision No.: 0

Regulatory Requirement: DE11NWP-001 Rev04 paragraph 3.5.2.1.4

RE: Analytical Results Submitted to Ecology for 241-AY/AZ Ventilation System Stack Samples

Notification Information:

Ecology approval order DE11NWP-001 Revision 04 (Ecology Letter 16-NWP-046 issued March 3, 2016) paragraph 3.5.2.1.4 states:

"Analytical results will be reported to Ecology as soon as possible, but no later than 30 days after collection of the sample. It is acceptable to report preliminary data and to use informal transmittal method (e.g. e-mail)."

Attached are the preliminary analytical results for samples collected from the 241-AY/AZ Tank Farm primary ventilation system. These samples were collected during the 241-AY-102 to 241-AW-105 supernatant transfer conducted from March 3 to March 6, 2016.

Distribution of this form shall be completed to the following groups.

Check all applicable distribution lists

- Environmental Records
- Team Line Management
- Other: Phil Gent, Ecology.

Attach a copy of original notification email and any applicable information when submitting Environmental Notification to Document Control.

Site Wide Industrial Hygiene Database (SWIHD)															
CAS	Agent	Invalid	Suspect	Range	Air Conc	Air Conc UOM	Flags	Sample Date	Sample ID ^a	Title	Sample Use	Farm	Specific Location	Other	
593-74-8	Dimethyl Mercury				0.0007	mg/m3		3/4/2016	* 16-01354-1-001A	702 AZ Exhauster Dimethyl Hg	Source-Env	702-AZ	Stack	N/A	
593-74-8	Dimethyl Mercury			<	0.000002	mg/m3		3/4/2016	* 16-01354-1-001B	702 AZ Exhauster Dimethyl Hg	Source-Env	702-AZ	Stack	N/A	
593-74-8	Dimethyl Mercury				0.0007	mg/m3		3/4/2016	* 16-01354-1-002A	702 AZ Exhauster Dimethyl Hg	Source-Env	702-AZ	Stack	N/A	
593-74-8	Dimethyl Mercury			<	0.000002	mg/m3		3/4/2016	* 16-01354-1-002B	702 AZ Exhauster Dimethyl Hg	Source-Env	702-AZ	Stack	N/A	
18540-29-9	Hexavalent Chromium			<	0.506	ug/m3		3/4/2016	* 16-01356-1-001	702 AZ Exhauster CrVI	Source-Env	702-AZ	Stack	Source sample from stack	
18540-29-9	Hexavalent Chromium			<	0.512	ug/m3		3/4/2016	* 16-01356-1-002	702 AZ Exhauster CrVI	Source-Env	702-AZ	Stack	Source sample from stack	
55-18-5	n-Nitrosodiethylamine			<	0.042	ppb		3/4/2016	* 16-01355-1-001	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
55-18-5	n-Nitrosodiethylamine			<	0.042	ppb		3/4/2016	* 16-01355-1-003	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
62-75-9	n-Nitrosodimethylamine				0.624	ppb		3/4/2016	* 16-01355-1-003	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
62-75-9	n-Nitrosodimethylamine				0.621	ppb		3/4/2016	* 16-01355-1-001	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
924-16-3	n-Nitroso-di-n-butylamine			<	0.027	ppb		3/4/2016	* 16-01355-1-001	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
924-16-3	n-Nitroso-di-n-butylamine			<	0.027	ppb		3/4/2016	* 16-01355-1-003	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
621-64-7	n-Nitrosodi-n-propylamine			<	0.033	ppb		3/4/2016	* 16-01355-1-001	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
621-64-7	n-Nitrosodi-n-propylamine			<	0.033	ppb		3/4/2016	* 16-01355-1-003	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
10595-95-6	n-Nitrosomethylethylamine			<	0.052	ppb		3/4/2016	* 16-01355-1-003	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
10595-95-6	n-Nitrosomethylethylamine			<	0.051	ppb		3/4/2016	* 16-01355-1-001	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
59-89-2	n-Nitrosomorpholine			<	0.039	ppb		3/4/2016	* 16-01355-1-001	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
59-89-2	n-Nitrosomorpholine			<	0.039	ppb		3/4/2016	* 16-01355-1-003	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
100-75-4	n-Nitrosopiperidine			<	0.038	ppb		3/4/2016	* 16-01355-1-001	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
100-75-4	n-Nitrosopiperidine			<	0.038	ppb		3/4/2016	* 16-01355-1-003	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
930-55-2	n-Nitrosopyrrolidine			<	0.045	ppb		3/4/2016	* 16-01355-1-001	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	
930-55-2	n-Nitrosopyrrolidine			<	0.045	ppb		3/4/2016	* 16-01355-1-003	AY-102 Decant-Environmental NDMA	Source-Env	702-AZ	Stack	Source sample from stack	

FOOTNOTE:

a - Sample ID marked with an asterisk (*) are preliminary data.