From: Tracey Forbister
To: <u>Jin, Yaomin ENV:EX</u>

Cc: Marsh, Chris R ENV:EX; Gunter, Sharon ENV:EX; Maxwell, Jennifer A ENV:EX; Morissette, Darren ENV:EX;

Kubotani, Hiroshi ENV:EX; Roth, Gail ENV:EX; Richard Van Kannel; Steve Abbey

Subject: RE: air audit notification

Date: Thursday, April 14, 2016 1:08:17 PM

Hi Yaomin

Sorry for the delay in responding. I have been out of the office in meetings the last couple of days with limited access to cell phone and email.

April 29, 2016 will work for us for the proposed audit date. Richard Van Kannel will be in attendance representing SLR on behalf of LPC. Richard's phone number is \$5.22

Feel free to contact Richard directly to establish a meeting time.

Tracey

Tracey Forbister, B.Sc., A.Sc.T.

Technical Discipline Manager - Air Quality SLR Consulting (Canada) Ltd.

Cell: 306-221-8318 Office: 306-374-6800 Fax: 306-374-6077

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From: Jin, Yaomin ENV:EX [mailto:Yaomin.Jin@gov.bc.ca]

Sent: April 11, 2016 4:28 PM

To: Tracey Forbister

Cc: Marsh, Chris R ENV:EX; Gunter, Sharon ENV:EX; Maxwell, Jennifer A ENV:EX; Morissette, Darren

ENV:EX; Kubotani, Hiroshi ENV:EX; Millar, Gail M ENV:EX

Subject: air audit notification

Hello Tracey,

This is your formal notification of a British Columbia Ministry of Environment Air Audit of the (AMBIENT/STACK) monitoring system. Please see the audit schedule below.

Schedule:

Apr 29, 2016, morning

Fort St. John Wiles OSB TEOM 1405

Please acknowledge receipt of this notification and provide the auditor(s) of the site contact person's name and cell phone number by **Apr. 13, 2016**.

Air monitors must not be calibrated, nor adjustments made to the instruments or support equipment in the station until the audit(s) are completed.

Please inform the Air Audit Team of any emergency repairs required between now and the audit, specifying at the time of the audit of what work was done.

Please note the audit will follow the procedures listed in the document titled: "Standard Audit Procedure for Continuous Emission Monitors and Ambient Air Monitoring Instruments Procedure 2.10, Version 2.16

The document can be found at the following link: http://www.bcairquality.ca/reports/pdfs/Standard-Audit-Procedure-2-10.pdf

Any other information regarding the Audit Program can be found at the following link: http://www.bcairquality.ca/industry-resources/audit-air-monitoring.html

Best regards, Yaomin Jin Environmental Monitoring, Reporting and Economics B.C. Ministry of Environment Cell: 250-893-2235

E-mail: Yaomin.Jin@gov.bc.ca

Page 3 to/à Page 4

Withheld pursuant to/removed as

DUPLICATE

From: Jin, Yaomin ENV:EX
To: tforbister@slrconsulting.com

Cc: Roth, Gail ENV:EX; Marsh, Chris R ENV:EX; Leatham, Brenda L ENV:EX; Kubotani, Hiroshi ENV:EX; Maxwell,

Jennifer A ENV:EX; Gunter, Sharon ENV:EX

Subject: 2016-11-3 Audit certificate "Fort St. John Wiles OSB Plant"

Date: Thursday, November 10, 2016 4:11:00 PM

Hello Tracy,

The air audit certificate is posted at the following link. Please share them with your colleagues.

Summary notes:

The TEOM 1405 PASSED audit.

Fort St John Wiles OSB Plant

http://a100.gov.bc.ca/pub/acat/public/viewReport.do?reportId=43340

Please note the audit follows the procedures listed in the document titled: "Standard Audit Procedure for Continuous Emission Monitors and Ambient Air Monitoring Instruments
Procedure 2.10, Version 2.16"

The document can be found at the following link:

http://www.bcairquality.ca/reports/pdfs/Standard-Audit-Procedure-2-10.pdf
Any other information regarding the Audit Program can be found at the following link: http://www.bcairquality.ca/industry-resources/audit-air-monitoring.html

If you have any question, please let me know.

Yaomin Jin Air audit technician Ministry of Environment

Cell: 250-893-2235

E-mail: Yaomin.Jin@gov.bc.ca

Continuous Ambient Monitor Audit Certificate

Date	April 29/20	016		Г	arometric	Drassura:	700	mmHq	
Date: April 29/2016 Station Name: Fort St John Wiles OSB				Barometric Pressure: 700 AmbientTemperature: 9.5				°C	
Permit #: PA17751				Relative Humidity: N/A			%		
M-Code:		Relative	numitarcy.	IV A	70				
Auditors:									
ı		neducer							
Method: Mass Transducer Parameter: TEOM PM2.5									
Make/Model:									
· ·			c · . · ·	re .					
Serial #:	1	ation Veri	iication .						
Parameter:	D: 1			CVK:	BC- 2		0.09756	grams	
Parameter:									
Chart Mina		ъст		Streamline			Tot al	Main	
Start Time:	7:55	PST		000119	060299	m:	0.4083	0.0793	
Finish Time:	9:00	PST				b:	-0.6014	-0.3432	
	Target	(1)	(2)	(3)	(Avg)	<u> </u>	Actual	%Error	
	L/Min.	In. H2O	In. H2O	In. H20	In. H20		L/Min.	821101	
Total Flow:	16.67	5. 79	5. 78	5. 80	5.79		16. 58	- 0. 5%	
Fine Flow:	3.00	5. 69	5. 72	5. 73	5.71		2. 97	-0.9%	
Coarse Flow:	1.67	2.00	2. 02	2. 03	2. 02		1. 63	- 0. 9%	
		2.99		1	2. 02		11.75		
Bypass Flow:	12.00	2.99	3. 02	2.96	2.99		11.75	- 2. 1%	
Temperat	ure:		<u>°C</u>	Pressure:				atm	
Ambient	Temperature	(Expected)	9. 5	Ambient Pressure (Expected)				0.921	
1		(Observed)	9.5				e (Observed)	0.921	
		, ,					, ,		
Fine Ko Veri	fication			Course Ko Verification					
	Elemen	t Knumber:	16804			Elemen	nt Knumber:	17365	
	Audi t	K0 number:	16527.4			Audi t	K0 number:	17061.1	
Audit Cri	teria:			Relative Humidity:			<u>%</u>		
Total I	low Error:	- 0.5%	PASS		Relativ	e Humidity	(Expected)	N/A	
Fine I	low Error:	- 0.9%	PASS		Relativ	e Humidity	(Observed)	N/A	
Course I	low Error:	- 2.6%	PASS						
	low Error:	- 2.1%	PASS			Leak Chec	k:_		
Temperat	ure Error:	0.1	PASS						
Fine Ko Verificat		-1.6%	PASS	Flow	Leak	Offset	final	Leak	
Course Ko Verificat	ion Error:	- 1.8%	PASS	Total	-0.06	n/a	- 0. 03	-0.06	
Press	ure Error:	0.00	PASS	PM2.5	-0.02	n/a	0	-0.02	
Relative Humid	lity Error:	0.0	PASS	Bypass	0.01	n/a	0	0.01	
I	eak Check:	0	PASS	Course	-0.05	n/a	-0.03	-0.05	
He a d	Condition:	Clean	PASS						

Report:

Air Audit Programme Knowledge Management Branch

Continuous Ambient Monitor Audit Certificate

Date:	November 3/	2016		В	arometric 1	Praccurat	696	mmHq		
Station Name: Fort St John Wiles OSB				AmbientTemperature: 1.5				°C		
Permit #:	t #: PA17751				Relative Humidity:			%		
M-Code:					neidelve i	ramiarcy.	N/ A	~		
Auditors:										
Met hod:	Mass Tra	nsducer								
Parameter:										
Make/Model: TEOM 1405										
Serial #:	rial #: 1405A202760810				Calibration Verification Kit					
				CVK:	BC- 3		0.0976	grams		
Parameter:	Dichotomus									
			Streamline Data Total				Main			
Start Time:	7:05	PST		000119	060299	m:	0.4083	0.0793		
Finish Time:	8:10	PST				b:	-0.6014	-0.3432		
	Target	(1)	(2)	(3)	(Avg)		Actual	%Error		
	L/Min.	In. H2O	In. H2O	In. H2O	In. H20		L/Min.			
Total Flow:	16.67	6.16	6. 19	6. 19	6.18		16.95	1.7%		
Fine Flow:	3.00	5.89	5.90	5.91	5.90		2.99	- 0.4%		
Coarse Flow:	1.67	2.18	2.17	2.17	2.17		1.68	0.5%		
Bypass Flow:	12.00	3.21	3.20	3.22	3.21		12.05	0.4%		
Temperat	ure:		<u>°C</u>		Pres	sure:		atm		
· ·	ure: Temperature	(Expected)	1.5				(Expected)	0.916		
Ambient					Ambient	Pressure	(Expected)			
Ambient	Temperature Temperature		1.5	9	Ambient	Pressure Pressure	(Observed)	0.916		
Ambient Ambient	Temperature Temperature		1.5	9	Ambient Ambient	Pressure Pressure	(Observed)	0.916		
Ambient Ambient	Temperature Temperature fication Elemen	(Observed)	1. 5 2. 7		Ambient Ambient	Pressure Pressure Perification	(Observed)	0. 916 0. 918		
Ambient Ambient Fine Ko Veri	Temperature Temperature fication Elemen Audit	(Observed)	1. 5 2. 7		Ambient Ambient Course Ko V	Pressure Pressure Verification Elemen Audit	(Observed) on t K number: K0 number:	0. 916 0. 918 17365 17098. 7		
Ambient Ambient Fine Ko Veri Audit Cri	Temperature Temperature fication Elemen Audit	(Observed) t K number: KO number:	1. 5 2. 7 16804 16618. 4	9	Ambient Ambient Course Ko V	Pressure Pressure Elemen Audit	(Observed) on t K number: K0 number:	0. 916 0. 918 17365 17098. 7		
Ambient Ambient Fine Ko Veri Audit Cri Total	Temperature Temperature fication Elemen Audit teria: Flow Error:	(Observed) t K number: K0 number:	1. 5 2. 7 16804 16618. 4	9	Ambient Ambient Course Ko V Relative Relative	Pressure Pressure Pressure Audit Humidity:	(Observed) on t K number: KO number: (Expected)	0. 916 0. 918 17365 17098. 7		
Ambient Ambient Fine Ko Veri Audit Cri Total I	Temperature Temperature fication Elemen Audit teria: Flow Error:	(Observed) t K number: K0 number:	1. 5 2. 7 16804 16618. 4 PASS PASS	9	Ambient Ambient Course Ko V Relative Relative	Pressure Pressure Pressure Audit Humidity:	(Observed) on t K number: K0 number:	0. 916 0. 918 17365 17098. 7		
Ambient Fine Ko Veri Audit Cri Total Fine Course	Temperature Temperature fication Elemen Audit teria: Flow Error: Flow Error: Flow Error:	(Observed) t K number: K0 number: 1.7% -0.4% 0.5%	1. 5 2. 7 16804 16618. 4 PASS PASS PASS	9	Ambient Ambient Course Ko V Relative Relative	Pressure Pressure Elemen Audit Humidity: Humidity	(Observed) t K number: KO number: (Expected) (Observed)	0. 916 0. 918 17365 17098. 7		
Ambient Fine Ko Veri Audit Cri Total I Fine I Course I Bypass I	Temperature Temperature fication Elemen Audit teria: Flow Error: Flow Error: Flow Error: Flow Error:	(Observed) t K number: K0 number: 1.7% -0.4% 0.5% 0.4%	1. 5 2. 7 16804 16618. 4 PASS PASS PASS PASS	9	Ambient Ambient Course Ko V Relative Relative	Pressure Pressure Pressure Audit Humidity:	(Observed) t K number: KO number: (Expected) (Observed)	0. 916 0. 918 17365 17098. 7		
Ambient Ambient Fine Ko Veri Audit Cri Total la Fine la Course la Bypass la Temperat	Temperature Temperature fication Elemen Audit teria: Flow Error: Flow Error: Flow Error: Flow Error:	(Observed) t K number: K0 number: 1.7% -0.4% 0.5% 0.4% 1.2	1. 5 2. 7 16804 16618. 4 PASS PASS PASS PASS		Ambient Ambient Course Ko V Relative Relative	Pressure Pressure Elemen Audit Humidity: Humidity Humidity Humidity	(Observed) on t K number: KO number: (Expected) (Observed)	0. 916 0. 918 17365 17098. 7 <u>%</u> N/A N/ A		
Ambient Ambient Fine Ko Veri Audit Cri Total la Fine la Course la Bypass la Temperat Fine Ko Verificat	Temperature fication Elemen Audit teria: Flow Error: Flow Error: Flow Error: cure Error:	(Observed) t K number: KO number: 1.7% -0.4% 0.5% 0.4% 1.2 -1.1%	1. 5 2. 7 16804 16618. 4 PASS PASS PASS PASS PASS PASS	Flow	Ambient Ambient Course Ko V Relative Relative Relative	Pressure Pressure Elemen Audit Humidity: Humidity Humidity Humidity Chak Chec	(Observed) t K number: KO number: (Expected) (Observed)	0.916 0.918 17365 17098.7 <u>%</u> N/A N/A		
Ambient Ambient Fine Ko Veri Audit Cri Total la Fine la Course la Bypass la Temperat Fine Ko Verificat Course Ko Verificat	Temperature Temperature fication Elemen Audit teria: Flow Error: Flow Error: Flow Error: ure Error: ion Error:	(Observed) t K number: KO number: 1.7% -0.4% 0.5% 0.4% 1.2 -1.1% -1.5%	1. 5 2. 7 16804 16618. 4 PASS PASS PASS PASS PASS PASS PASS	Flow Total	Ambient Ambient Course Ko V Relative Relative Relative Leak -0.05	Pressure Pre	(Observed) on t K number: KO number: (Expected) (Observed) k: final -0.05	0.916 0.918 17365 17098.7 <u>%</u> N/A N/A		
Ambient Ambient Fine Ko Veri Total land to Fine land to Course land land to Course land land to Course land to Course land to Course Ko Verificate Course Ko Verificate Press	Temperature Temperature fication Elemen Audit teria: Flow Error: Flow Error: Flow Error: ture Error: ion Error: sure Error:	(Observed) t K number: KO number: 1.7% -0.4% 0.5% 0.4% 1.2 -1.1% -1.5% 0.00	1. 5 2. 7 16804 16618. 4 PASS PASS PASS PASS PASS PASS PASS PAS	Flow Total PM2.5	Ambient Ambient Course Ko V Relative Relative Relative Leak -0.05	Pressure Pre	(Observed) t K number: KO number: (Expected) (Observed) k: final -0.05	0.916 0.918 17365 17098.7 % N/A N/A Leak -0.05		
Ambient Ambient Fine Ko Veri Total I Fine I Course I Bypass I Temperat Fine Ko Verificat Course Ko Verificat Relative Humio	Temperature Temperature fication Elemen Audit teria: Flow Error: Flow Error: Flow Error: ion Error: ion Error: ion Error: sure Error:	(Observed) t K number: K0 number: 1.7% -0.4% 0.5% 0.4% 1.2 -1.1% -1.5% 0.00 0.0	1. 5 2. 7 16804 16618. 4 PASS PASS PASS PASS PASS PASS PASS PAS	Flow Total PM.5 Bypass	Ambient Ambient Course Ko V Relative Relative Relative Leak -0.05 0	Pressure Pressure Pressure Frificati Elemen Audit Humidity: Humidity Humidity Humidity Offset n/a n/a n/a	(Observed) t K number: KO number: (Expected) (Observed) k: final -0.05 0 0	0.916 0.918 17365 17098.7 % N/A N/A 0.05 0		
Ambient Ambient Fine Ko Veri Total I Fine I Course I Bypass I Temperat Fine Ko Verificat Course Ko Verificat Relative Humio	Temperature Temperature fication Elemen Audit teria: Flow Error: Flow Error: Flow Error: ture Error: ion Error: sure Error:	(Observed) t K number: KO number: 1.7% -0.4% 0.5% 0.4% 1.2 -1.1% -1.5% 0.00	1. 5 2. 7 16804 16618. 4 PASS PASS PASS PASS PASS PASS PASS PAS	Flow Total PM2.5	Ambient Ambient Course Ko V Relative Relative Relative Leak -0.05	Pressure Pre	(Observed) t K number: KO number: (Expected) (Observed) k: final -0.05	0.916 0.918 17365 17098.7 % N/A N/A Leak -0.05		
Ambient Ambient Fine Ko Veri Total I Fine I Course I Bypass I Temperat Fine Ko Verificat Course Ko Verificat Relative Humio	Temperature Temperature fication Elemen Audit teria: Flow Error: Flow Error: Flow Error: ion Error: ion Error: ion Error: sure Error:	(Observed) t K number: K0 number: 1.7% -0.4% 0.5% 0.4% 1.2 -1.1% -1.5% 0.00 0.0	1. 5 2. 7 16804 16618. 4 PASS PASS PASS PASS PASS PASS PASS PAS	Flow Total PM.5 Bypass	Ambient Ambient Course Ko V Relative Relative Relative Leak -0.05 0	Pressure Pressure Pressure Frificati Elemen Audit Humidity: Humidity Humidity Humidity Offset n/a n/a n/a	(Observed) t K number: KO number: (Expected) (Observed) k: final -0.05 0 0	0.916 0.918 17365 17098.7 % N/A N/A 0.05 0		
Ambient Fine Ko Veri Audit Cri Total la Fine la Course la Bypass la Temperat Fine Ko Verificat Course Ko Verificat Press Relative Humic	Temperature Temperature fication Elemen Audit teria: Flow Error: Flow Error: Flow Error: ion Error: ion Error: ion Error: sure Error:	(Observed) t K number: K0 number: 1.7% -0.4% 0.5% 0.4% 1.2 -1.1% -1.5% 0.00 0.0	1. 5 2. 7 16804 16618. 4 PASS PASS PASS PASS PASS PASS PASS PAS	Flow Total PM.5 Bypass	Ambient Ambient Course Ko V Relative Relative Relative Leak -0.05 0	Pressure Pressure Pressure Frificati Elemen Audit Humidity: Humidity Humidity Humidity Offset n/a n/a n/a	(Observed) t K number: KO number: (Expected) (Observed) k: final -0.05 0 0	0.916 0.918 17365 17098.7 % N/A N/A 0.05 0		

Report:

Air Audit Programme Knowledge Management Branch