



Stantec Consulting Ltd
207-201 Churchill Drive
Membertou NS B1S 0H1
Tel: (902) 564-1855
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Stantec

February 27, 2012
File: 121410955.225

Sydney Tar Ponds Agency
1 Inglis Street
PO Box 1028, Stn. A
Sydney, NS B1P 6J7

Attention: Ms. Diane Ingraham, PhD., PMP, Quality Contracts Manager

Dear Ms. Ingraham:

**Reference: STPA Project Element TP6A – Flow Diversion
Independent Quality Assurance (IQAC) December 2011 Monthly Summary Report**

At the request of Sydney Tar Ponds Agency (STPA), Stantec Consulting Ltd (Stantec) has completed the following quality assurance inspection/testing services and meetings in accordance with project requirements at the above mentioned site between December 1 and December 31, 2011:

- Project Item PM-01: Three daily field reports.
- Project Item PM-02: One monthly QA report (December 2011) completed by Stantec in the month of February 2012.
- Project Item PM-05: Other meetings and frequent opinions were provided in the month of December 2011.
- Project Item PM-19: Review of and data entry into TP6A October 2011 QC/QA testing summary tables.
- Project Item QCP-02: Submittal reviews (Contractor's December 2011 QC report including daily/test reports).
- Project Items TS-70: Completed 28 day compressive strength testing of concrete sets 27 and 28. The Compressive strength of set 28 did not meet the project specifications. All test results are summarized in the QC/QA summary table section.
- Project Item ENV-T-01: One noise monitoring event. Noise levels were within the specified limits at two of the three sampling locations. See Monthly Noise QA Testing Summary table in this report for further information.
- Project Item ENV-T-02: Eight surface water (turbidity) sampling events. All measurements recorded were within the acceptable range. See the IQAC Site Testing Summary Form in this report for further information.

February 27, 2012

Ms. Diane Ingraham, PhD., PMP, Quality Contracts Manager

Page 2 of 2

**Reference: STPA Project Element TP6A – Flow Diversion
Independent Quality Assurance (IQAC) December 2011 Monthly Summary Report**


We trust this information meets your present requirements. If you have any questions, please do not hesitate to contact us.

Sincerely,

STANTEC CONSULTING LTD





Rabi Morelly, M.Sc., P.Eng.
Geotechnical and Materials Quality Lead
rabi.morelly@stantec.com

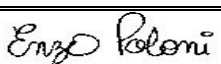



Willie McNeil, B.Tech. (Env.), CET
Project Manager
willie.mcneil@stantec.com

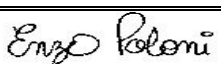

**STPA PROJECT ELEMENT TP6A: FLOW DIVERSION
IQAC SITE TESTING SUMMARY**

Date:	November 29, 2011	IQAC On-Site Rep:	Enzo Poloni
Relevant Project Specification(s)	Environmental Quality Assurance	Relevant Project Specification(s) No.	QA-EPP Project No. 121410955.225
IQAC Item No(s) / Descriptions	ENV-T-02	Time On-Site:	1125
Weather:	Mainly Sunny, 5°C		
Area Tested/Inspected:	TP6A – Narrows and Battery Point		
Inspection / Testing Summary			
<p>Stantec made contact with sampling crew previously to notify of sampling. Met onsite at 1125 and sampling began immediately by boat. Contractor reported that activities onsite consisted of pile driving and pump deficiencies with no requirement to sample Battery Point.</p> <p>Samples analyzed at Stantec lab.</p>			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0557 511 3137	West Side Narrows	3.26
2	460 0559 511 3167	East Side Narrows	2.87
<p>As stated in the Environmental Protection Plan – <i>“The upper level criteria defined as a reportable event for turbidity will be 110% of background, when background (upstream sample location) is greater than or equal to 80 Nephelometric Turbidity Units (NTU). When background is less than 80NTU, a reportable event will be greater than an increase of 8NTU above background”</i></p> <p>It has been reported to QA, that a background level of 7.39NTU is acceptable to use on element TP6A. As such, a reportable event would be a concentration downstream greater than 15.39 NTU.</p> <p><i>Turbidity values recorded above are within acceptable levels.</i></p>			
IQAC Review and Acceptance			
IQAC On-Site Rep (Sign/Print/Date):	 /Enzo Poloni, B.Tech. (Env)	IQAC Management Review (Sign/Print/Date):	 /Tanya MacDonald, B.Tech.(Env), ASCT
	November 29, 2011		November 29, 2011



**STPA PROJECT ELEMENT TP6A: FLOW DIVERSION
IQAC SITE TESTING SUMMARY**

Date:	December 7, 2011	IQAC On-Site Rep:	Enzo Poloni
Relevant Project Specification(s)	Environmental Quality Assurance	Relevant Project Specification(s) No.	QA-EPP Project No. 121410955.225
IQAC Item No(s) / Descriptions	ENV-T-02	Time On-Site:	11:20
Weather:	Rain, 6°C		
Area Tested/Inspected:	TP6A – Narrows and Battery Point		
Inspection / Testing Summary			
<p>Stantec onsite at 11:30am for sampling. Water at Battery Point appeared turbid so samples were also collected at Narrows (East/West). Numbers at Battery Point did not exceed so narrows samples were discarded. Samples at Battery Point collected at East/West by boat. Joel and 1 laborer remained on shore. Samples analyzed at Stantec lab.</p>			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0207 5113 234	Battery Point East	4.30
2	460 0134 5113 150	Battery Point West	2.54
<p>As stated in the Environmental Protection Plan – <i>“The upper level criteria defined as a reportable event for turbidity will be 110% of background, when background (upstream sample location) is greater than or equal to 80 Nephelometric Turbidity Units (NTU). When background is less than 80NTU, a reportable event will be greater than an increase of 8NTU above background”</i></p> <p>It has been reported to QA, that a background level of 7.39NTU is acceptable to use on element TP6A. As such, a reportable event would be a concentration downstream greater than 15.39 NTU.</p> <p><i>Turbidity values recorded above are within acceptable levels.</i></p>			
IQAC Review and Acceptance			
IQAC On-Site Rep (Sign/Print/Date):	 /Enzo Poloni, B.Tech. (Env)	IQAC Management Review (Sign/Print/Date):	 /Tanya MacDonald, B.Tech.(Env), ASCT
	December 7, 2011		December 8, 2011

**STPA PROJECT ELEMENT TP6A: FLOW DIVERSION
IQAC SITE TESTING SUMMARY**

Date:	December 15, 2011	IQAC On-Site Rep:	Enzo Poloni
Relevant Project Specification(s)	Environmental Quality Assurance	Relevant Project Specification(s) No.	QA-EPP Project No. 121410955.225
IQAC Item No(s) / Descriptions	ENV-T-02	Time On-Site:	1130
Weather:	Overcast, -4°C		
Area Tested/Inspected:	TP6A – Narrows and Battery Point		
Inspection / Testing Summary			
<p>Met Joel MacLeod onsite at 0930 where he noted no activities (diversion pumping) in South Pond due to pump disassembly at Wash Brook. Samples only to be extracted from Battery Point where welding and some related miscellaneous activities. Noted as too windy to collect sample by boat.</p> <p>Samples analyzed at Stantec lab.</p>			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0755 511 3022	Battery Point East	1.60
2	460 0137 511 3211	Battery Point East	1.52
<p>As stated in the Environmental Protection Plan – <i>“The upper level criteria defined as a reportable event for turbidity will be 110% of background, when background (upstream sample location) is greater than or equal to 80 Nephelometric Turbidity Units (NTU). When background is less than 80NTU, a reportable event will be greater than an increase of 8NTU above background”</i></p> <p>It has been reported to QA, that a background level of 7.39NTU is acceptable to use on element TP6A. As such, a reportable event would be a concentration downstream greater than 15.39 NTU.</p> <p><i>Turbidity values recorded above are within acceptable levels.</i></p>			
IQAC Review and Acceptance			
IQAC On-Site Rep (Sign/Print/Date):	 /Enzo Poloni, B.Tech. (Env)	IQAC Management Review (Sign/Print/Date):	 /Tanya MacDonald, B.Tech.(Env), ASCT
	December 15, 2011		December 16, 2011

**STPA PROJECT ELEMENT TP6A: FLOW DIVERSION
IQAC SITE TESTING SUMMARY**

Date:	December 20, 2011	IQAC On-Site Rep:	Enzo Poloni
Relevant Project Specification(s)	Environmental Quality Assurance	Relevant Project Specification(s) No.	QA-EPP Project No. 121410955.225
IQAC Item No(s) / Descriptions	ENV-T-02	Time On-Site:	1125
Weather:	Overcast, 0°C		
Area Tested/Inspected:	TP6A – Narrows and Battery Point		
Inspection / Testing Summary			
<p>Stantec contacted contractor at 0930 for sampling at 1130. Stantec onsite for 1125 after diversion through “High Dump” to get to Battery Point. Met Curt Knowles and 2 laborers where samples were taken from shore because the winds were too high to collect samples by boat. Activities noted were pile driving, welding and East Access Road demolition – no diversion pumping. Samples analyzed at Stantec lab.</p>			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0141 511 3202	Battery Point East	1.64
2	460 0164 511 3174	Battery Point West	1.75
<p>As stated in the Environmental Protection Plan – <i>“The upper level criteria defined as a reportable event for turbidity will be 110% of background, when background (upstream sample location) is greater than or equal to 80 Nephelometric Turbidity Units (NTU). When background is less than 80NTU, a reportable event will be greater than an increase of 8NTU above background”</i></p> <p>It has been reported to QA, that a background level of 7.39NTU is acceptable to use on element TP6A. As such, a reportable event would be a concentration downstream greater than 15.39 NTU.</p> <p><i>Turbidity values recorded above are within acceptable levels.</i></p>			
IQAC Review and Acceptance			
IQAC On-Site Rep (Sign/Print/Date):	 /Enzo Poloni, B.Tech. (Env)	IQAC Management Review (Sign/Print/Date):	 /Tanya MacDonald, B.Tech.(Env), ASCT
	December 20, 2011		December 21, 2011



Stantec Consulting Ltd

207-201 Churchill Drive, Membertou, NS B1S 0H1
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CCIL CERTIFIED LABORATORY FOR TESTING CONCRETE

CONCRETE TEST REPORT

Stantec

PROJECT 1410955.225
CLIENT Sydney Tar Ponds Agency
C.C.

TO
Sydney Tar Ponds Agency
1 Inglis Street, PO Box 1028
Sydney, NS
B1P 6J7

ATTN: Ms. Diane Ingraham

PROJECT Sydney Tar Ponds
Element TP6A

Sydney Tar Ponds
Sydney

SET NO. 27

NO. OF 3

DATE 2011.Nov.05

DATE 2011.Nov.04

SPCM NO.	SPECIMEN TYPE	CURE CONDN	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	COMPRESSIVE OR FLEXURAL STRENGTH (MPa) Average		FAILURE TYPE
A	Cylinder	Lab	Nov.11	7	100.0	200.0	262	33.4		
B	Cylinder	Lab	Dec.02	28	100.0	200.0	319	40.6		
C	Cylinder	Lab	Dec.02	28	100.0	200.0	332	42.3	41.4	

SPECIFIED STRENGTH 30 MPa @ 28 DAYS

CEMENT TYPE GU

MAXIMUM SIZE AGGREGATE 20 mm

BATCH TIME 07:09

ADMIXTURES

Micro Air
Pozz 210

CONCRETE 14.0 °C
AIR TEMPERATURE 9.0 °C
SLUMP 75 mm **SPEC.** 75 ± 25
AIR 6.6 % **SPEC.** 6.5 ± 1.5

CAST TIME 07:55
CAST BY SYD DC
CURING CONDITIONS Curing box

INITIAL CURING TEMP: MAXIMUM 18.0 °C **MINIMUM** 17.0 °C

LOCATION

Slab

COMMENTS

On Site Inspection By Derek Corbett.

SUPPLIER Municipal Ready Mix

TRUCK NO. 12 **TICKET NO.** 76113

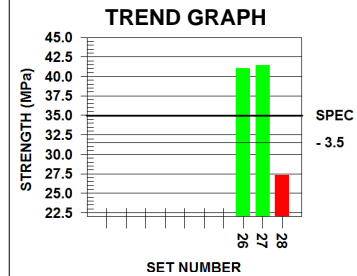
LOAD VOL. 6 m³ **CUM. VOL.** 6 m³

WATER ADDED 1 **AUTH. BY** N/A

Page 1 of 1 2011.Dec.05

Stantec Consulting Ltd

PER.



MOULD TYPE PLASTIC



Stantec Consulting Ltd

207-201 Churchill Drive, Membertou, NS B1S 0H1
(TEL) 902-564-1855 (FAX) 902-564-8756

CCIL CERTIFIED LABORATORY FOR TESTING CONCRETE

CONCRETE TEST REPORT

Stantec

PROJECT 1410955.225

CLIENT Sydney Tar Ponds Agency

C.C. Stantec Consulting Ltd - Mr. Jamie Tunnicliff

TO

Sydney Tar Ponds Agency
1 Inglis Street, PO Box 1028
Sydney, NS
B1P 6J7

ATTN: Ms. Diane Ingraham

PROJECT Sydney Tar Ponds
Element TP6A

Sydney Tar Ponds
Sydney

SET NO. 28

NO. OF 4

DATE 2011.Nov.08

DATE 2011.Nov.07

SPCM NO.	SPECIMEN TYPE	CURE CONDN	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	COMPRESSIVE OR FLEXURAL STRENGTH (MPa) Average	FAILURE TYPE
A	Cylinder	Lab	Nov.14	7	100.0	200.0	173	22.0	
B	Cylinder	Lab	Dec.05	28	100.0	200.0	213	27.1	
C	Cylinder	Lab	Dec.05	28	100.0	200.0	216	27.5	
D	Cylinder	Lab	Jan.02	56	100.0	200.0	246	31.3	

SPECIFIED STRENGTH 30 MPa @ 28 DAYS

CEMENT TYPE GU

MAXIMUM SIZE AGGREGATE 20 mm

BATCH TIME 12:08

ADMIXTURES

Pozz 210
Micro Air

SUPPLIER Municipal Ready Mix

TRUCK NO. 159 TICKET NO. 76151

LOAD VOL. 2 m³ CUM. VOL. 2 m³

WATER ADDED 1 AUTH. BY N/A

Page 1 of 1 2012.Jan.05

CONCRETE 18.0 °C
AIR TEMPERATURE 10.0 °C
SLUMP 75 mm SPEC. 75 ±
AIR 7.8 % SPEC. 6.5 ± 1.5

CAST TIME 13:10
CAST BY SYD DC
CURING CONDITIONS Curing box

INITIAL CURING TEMP: MAXIMUM 15.0 °C MINIMUM 15.0 °C

LOCATION

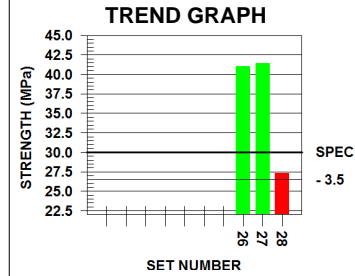
Pony walls

COMMENTS

On Site Inspection By Derek Corbett.
Spec Slump: 75 mm maximum.

Stantec Consulting Ltd

PER.



MOULD TYPE PLASTIC

Monthly Noise QA Testing Summary Table

Contractor:	MBJV	Client:	STPA	Form Number:	TP6A Noise December 2011
Element:	TP6A	Oversight:	AECOM/CBCL	Project:	Remediation of the Tar Ponds and Coke Ovens Sites
Month:	December 2011	IQAC:	Stantec		

SPECIFIED REQUIREMENTS					RESULTS							NOTES
Spec Section	Spec Description	Test Type	Standard	QA Frequency	Date Collected	Criteria	QA Sample ID	Sample Location GPS Coordinates NAD 83	QA Test Result	QA Pass/Fail	QA Frequency Met? Y/N	QA
EPP	ENV-T-01	Noise	CBRM Noise By-Law & NSE Criteria	once per month	20-Dec-11	<65 dBA	TP6A-12-20-2011-0813-1014	460 1248 511 2824	61.6dBA	Pass	Y	Sample location is at contractor trailer (McNally). Traffic/contractors onto site. Snow removal elevating noise levels.
EPP	ENV-T-01	Noise	CBRM Noise By-Law & NSE Criteria	once per month	20-Dec-11	<65 dBA	TP6A-12-20-2011-1014-1214	460 1182 511 2834	60.0dBA	Pass	Y	Sample location is at the Access Road to North Pond (East Side). Multiple contractors transiting. McNally excavating old access road. Very high winds.
EPP	ENV-T-01	Noise	CBRM Noise By-Law & NSE Criteria	once per month	20-Dec-11	<65 dBA	TP6A-12-20-2011-1223-1430	460 0239 511 3307	66.5dBA	Fail	Y	Sample location is at Battery Point near Site Lunch Trailer. Welding/some pile driving. Multiple contractor traffic. High winds reported. STPA notified of exceedence.

Activities onsite at the time of the sampling events include contractor traffic, welding and pile driving.



Stantec

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February 20, 2012
File: 121410955.225

Sydney Tar Ponds Agency
1 Inglis Street
PO Box 1028, Stn. A
Sydney, NS B1P 6J7

Attention: Ms. Diane Ingraham, Ph.D., PMP, Quality Contract Manager

Dear Ms. Ingraham:

**Reference: Materials and Geotechnical Quality Assurance of Quality Control Program
Element TP6A, Sydney Tar Ponds Project, Sydney, NS
Review of Contractor's December 2011 Quality Control (QC) Report**

At the request of the Sydney Tar Ponds Agency (STPA), Stantec Consulting Ltd (Stantec), acting as the project Independent Quality Assurance Consultant (IQAC), has completed a Quality Assurance Review of the Contractor's (MB2/Beaver Joint Venture (MBJV) and their quality control consultant (exp Services Inc. (exp)) Monthly Quality Control (QC) Report for the month of December 2011 for project Element TP6A.

Comments are prepared using a three tier system as requested by the STPA:

Level 1 - Critical comments which need to be addressed promptly. The IQAC requests responses on any critical comments within one week.

Level 2 - Comments for which a response is required. All comments for which a response is required should be responded to in the form of a written response or by providing the necessary information as requested.

Level 3 - Comments that would improve the quality of the work but for which the agency need not respond to.

Based on our review of the QC information provided from the referenced period, the IQAC offers the following comments for your considerations:

SOILS/CONCRETE/MATERIALS TESTING

Level 1	Concrete sample "2011-X3" did not meet the 28 day specified compressive strength of 30 MPa.
Level 2	Concrete strength report of sample "2011-X2" does not state the project name.
Level 2	The client name is not consistent in the concrete strength reports, i.e.: the name reads "MBJV" and "McNally" in concrete reports "2011-X2" and "2011-X3" respectively.
Level 2	The included concrete strength reports indicate that the specified slump range is 75 ± 25 mm. However, the revised specification Drawings of Battery Point dated October 19, 2011 specify a slump of 75 mm Max.

February 20, 2012

Ms. Diane Ingraham, Ph.D., PMP, Quality Contract Manager

Page 2 of 2

**Reference: Materials and Geotechnical Quality Assurance of Quality Control Program
Element TP6A, Sydney Tar Ponds Project, Sydney, NS
Review of Contractor's December 2011 Quality Control (QC) Report**

This report covers the quality control aspects for both the geotechnical and concrete/materials portions of the project.

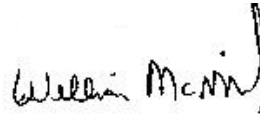
We trust this information meets your present needs. If you have any questions, or if we can be of further assistance, please do not hesitate to contact us at your convenience.

Sincerely,

STANTEC CONSULTING LTD



Rabi Morelly, M.Sc., P.Eng
Geotechnical & Materials Quality Lead
rabi.morelly@stantec.com



Willie McNeil, B.Tech. (Env.), CET
Project Manager
willie.mcneil@stantec.com



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Stantec

February 27, 2012
 File: 121410955.225

Sydney Tar Ponds Agency
 1 Inglis Street
 PO Box 1028, Stn. A
 Sydney, NS B1P 6J7

Attention: Ms. Diane Ingraham, Ph.D., PMP, Quality Contract Manager

Dear: Ms. Ingraham

**Reference: Environmental Quality Assurance of Quality Control Program
 Element TP6A, Sydney Tar Ponds Project, Sydney, NS
 Review of Contractor's December 2011 Quality Control (QC) Report**

At the request of the Sydney Tar Ponds Agency (STPA), Stantec Consulting Limited (Stantec) acting as the project Independent Quality Assurance Consultant (IQAC) has completed a Quality Assurance Review of the Contractor's, MB2/Beaver Marine Joint Venture (MBJV) and their quality control consultant (Exp Services Inc. (exp)), Monthly Quality Control (QC) Report for the month of December 2011 for project element TP6A.

Comments are prepared using a three tier system as requested by the STPA:

- Level 1 - Critical comments which need to be addressed promptly. The IQAC requests responses on any critical comments within one week
- Level 2 - Comments for which a response is required. All comments for which a response is required should be responded to in the form of a written response or by providing the necessary information as requested.
- Level 3 - Comments that would improve the quality of the work but for which the agency need not respond to.

Based on our review of the QC information provided from the referenced period, the IQAC offers the following comment for your consideration:

ENVIRONMENTAL INSPECTIONS/TESTING

	<u>Environmental Inspection Logs</u>
Level 3	Second Page of the December 16 th EILs for the 710am event is dated as the 15 th .

This report covers the quality control aspects for the environmental inspection/testing portions of the project. We trust this information meets your present needs. If you have any questions, or if we can be of further assistance, please do not hesitate to contact us at your convenience.

February 27, 2012

Ms. Diane Ingraham, Ph.D., PMP, Quality Contract Manager

Page 2 of 2

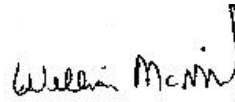
**Reference: Environmental Quality Assurance of Quality Control Program
Element TP6A, Sydney Tar Ponds Project, Sydney, NS
Review of Contractor's December 2011 Quality Control (QC) Report**

Sincerely,

STANTEC CONSULTING LTD



Tanya MacDonald
Environmental Manager
Tel: (902) 564-1855
Fax: (902) 564-8756
tanya.macdonald@stantec.com



Willie McNeil, B.Tech.(Env)., CET Manager,
Project Manager
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willie.mcneil@stantec.com

Quality Control (QC) and Quality Assurance (QA) Testing Summary Table

Weekly
 Monthly

From: 27-Nov-11 To: 31-Dec-11

Contractor:	MBJV	Client:	STPA	Form Number:	97918-QAF-059
Element:	TP-6A	Oversight:	AECOM/CBCL	Project:	Remediation of the Tar Ponds and Coke Ovens Sites
		IQAC:	Stantec		

SPECIFIED REQUIREMENTS						RESULTS												NOTES	
Spec Section	Spec Description	Test Type	Standard	QC Frequency	QA Frequency	Date Collected	QC Sample ID	Criteria	Date QC Result Received	QC Test Result	QC Pass/Fail	QC Frequency Met? Y/N	QA Sample ID	Date QA Result Received	QA Test Result	QA Pass/Fail	QA Frequency Met? Y/N	QC	QA
Week 1																			
03 30 00	Cast-in-Place Concrete	Compressive Strength	CSA-A23.2	Per Pour	1 test or 20% of QC, whichever is greater	4-Nov-11	2011-X2	35 MPa	2-Dec-11	40.0 MPa	Pass	Y	Set 27 04-Nov-11	28-Jan-00	41.4 MPa	Pass	Y	Samples collected in accordance with CSA.	The compressive strength at 28 days met the 30.0 MPa specified strength.
Week 2																			
03 30 00	Cast-in-Place Concrete	Compressive Strength	CSA-A23.2	Per Pour	1 test or 20% of QC, whichever is greater	7-Nov-11	2011-X3	30 MPa	Pending	28 Day Strength - 25.7 MPa 56 Day Strength - Pending	Pending	Y	Set 28 07-Nov-11	28-Jan-00	27.3 MPa	Fail	Y	Samples collected in accordance with CSA. A cylinder was retained for 56 day strength testing due to the 28 day strength test not meeting specifications.	The compressive strength at 28 days did not meet the 30.0 MPa specified strength.
05 12 33	Structural Steel	Weld Connections	CAN/CSA W 59		10% Ultrasonic or Radiographic test of all groove/butt joints. 10% Magnetic particle test of all fillet welds.	18-Nov-11	2011-11-18	No Defects	9-Dec-11	See QC Note	Fail (See QC Note)	Y						There was a defect noted in the Magnetic Particle Examination. This defect has to be repaired in the field and is awaiting testing to verify. Notification of this testing will be submitted and results to follow.	
Week 3																			
No testing conducted during this period.																			
Week 4																			
No testing conducted during this period.																			
Week 5																			
No testing conducted during this period.																			

Quality Control (QC) and Quality Assurance (QA) Environmental Testing Summary Table

Weekly
 Monthly

From: 2011-11-27 To: 2011-12-31

Contractor:	MBJV	Client:	STPA	Form Number:	97918-QAF-073
Element:	TP6A	Oversight:	AECOM/CBCL	Project:	Remediation of the Tar Ponds and Coke Ovens Sites
		IQAC:	Stantec		

Note: This summary table shall be submitted with the Contractor's Monthly QC Report only after all revisions are made to the data here contained based on any DE Environmental comments of the information submitted weekly.

SPECIFIED REQUIREMENTS						RESULTS										NOTES			
Spec Section	Spec Description	Test Type	Standard	QC Frequency	QA Frequency	Date Collected	QC Sample ID	Criteria	Date QC Result Received	QC Test Result	QC Pass/Fail	QC Frequency Met? Y/N	QA Sample ID	Date QA Result Received	QA Test Result	QA Pass/Fail	QA Frequency Met? Y/N	QC	QA
Week 1																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-11-27	TP6A-97919-BP E-0730-2011-11-27 TP6A-97919-BP W-0730-2011-11-27	As per EPP	2011-11-27	5.7 NTU 4.8 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-11-27	TP6A-97919-BP E-1130-2011-11-27 TP6A-97919-BP W-1130-2011-11-27	As per EPP	2011-11-27	6.0 NTU 5.8 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-11-28	TP6A-97919-BP E-0730-2011-11-28 TP6A-97919-BP W-1130-2011-11-28	As per EPP	2011-11-28	2.9 NTU 3.1 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-11-28	TP6A-97919-BP E-1130-2011-11-28 TP6A-97919-BP W-1130-2011-11-28	As per EPP	2011-11-28	3.8 NTU 5.7 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-11-29	TP6A-97919-BP E-0730-2011-11-29 TP6A-97919-BP W-0730-2011-11-29	As per EPP	2011-11-29	7.9 NTU 6.9 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours	Once Weekly	2011-11-29	TP6A-97919-BP E-1130-2011-11-29 TP6A-97919-BP W-1130-2011-11-29	As per EPP	2011-11-29	5.2 NTU 5.0 NTU	Pass	Y	TP6A-11-29-2011-EastNarrows TP6A-11-29-2011-WestNarrows	29-Nov-11	2.87 NTU 3.26 NTU	Pass Pass	Yes	Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	Samples were collected in accordance with the EPP. Please refer to the weekly IQAC Site Testing Summary for further details.
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-11-30	TP6A-97919-BP E-0730-2011-11-30 TP6A-97919-BP W-0730-2011-11-30	As per EPP	2011-11-30	3.4 NTU 5.1 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-11-30	TP6A-97919-BP E-1130-2011-11-30 TP6A-97919-BP W-1130-2011-11-30	As per EPP	2011-11-30	6.6 NTU 5.4 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-01	TP6A-97919-BP E-0730-2011-12-01 TP6A-97919-BP W-0730-2011-12-01	As per EPP	2011-12-01	11.8 NTU 10.9 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-01	Noise Sampling	Noise Monitoring with a dosimeter or equivalent	CBRM noise by-law and NSE criteria	Once Weekly		2011-12-01	TP6A-97919-Site Trailer-2011-12-01 TP6A-97919-COB -2011-12-01 TP6A-97919-BP-2011-12-01	CBRM noise by-law and NSE criteria	2011-12-01	59.1 L _{eq} (dBA) 59.9 L _{eq} (dBA) 67.6 L _{eq} (dBA)	Pass Pass Fail	N						Samples collected as per EPP. A minimum of 2hr sample duration in three locations along the perimeter. It should be noted that a slight exceedance was recorded at Battery Point due to a substantial amount of noise originating from the rail yard and the vibro hammer running during the sampling period. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-01	TP6A-97919-BP E-1130-2011-12-01 TP6A-97919-BP W-1130-2011-12-01	As per EPP	2011-12-01	7.1 NTU 6.8 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-02	TP6A-97919-BP E-0730-2011-12-02 TP6A-97919-BP W-0730-2011-12-02	As per EPP	2011-12-02	8.5 NTU 7.9 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-02	TP6A-97919-BP E-1130-2011-12-02 TP6A-97919-BP W-1130-2011-12-02	As per EPP	2011-12-02	6.2 NTU 5.8 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
Week 2																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-05	TP6A-97919-BP E-0730-2011-12-05 TP6A-97919-BP W-0730-2011-12-05	As per EPP	2011-12-05	2.9 NTU 3.1 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-05	TP6A-97919-Narrows E-1130-2011-12-05 TP6A-97919-Narrows W-1130-2011-12-05	As per EPP	2011-12-05	2.3 NTU 2.6 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-06	TP6A-97919-BP E-0730-2011-12-06 TP6A-97919-BP W-0730-2011-12-06	As per EPP	2011-12-06	6.9 NTU 7.7 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-01	Noise Sampling	Noise Monitoring with a dosimeter or equivalent	CBRM noise by-law and NSE criteria	Once Weekly		2011-12-06	TP6A-97919-Site Trailer-2011-12-06 TP6A-97919-COB -2011-12-06 TP6A-97919-BP-2011-12-06	CBRM noise by-law and NSE criteria	2011-12-06	61.2 L _{eq} (dBA) 61.1 L _{eq} (dBA) 62.1 L _{eq} (dBA)	Pass Pass Pass	Y						Samples collected as per EPP. A minimum of 2hr sample duration in three locations along the perimeter. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-06	TP6A-97919-BP E-1130-2011-12-06 TP6A-97919-BP W-1130-2011-12-06	As per EPP	2011-12-06	4.1 NTU 3.8 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-07	TP6A-97919-BP E-0730-2011-12-07 TP6A-97919-BP W-0730-2011-12-07	As per EPP	2011-12-07	6.2 NTU 5.3 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours	Once Weekly	2011-12-07	TP6A-97919-BP E-1130-2011-12-07 TP6A-97919-BP W-1130-2011-12-07	As per EPP	2011-12-07	8.5 NTU 6.3 NTU	Pass	Y	TP6A-12-07-2011-EastNarrows TP6A-12-07-2011-WestNarrows	7-Dec-11	4.30 NTU 2.54 NTU	Pass Pass	Yes	Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	Samples were collected in accordance with the EPP. Please refer to the weekly IQAC Site Testing Summary for further details.
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-08	TP6A-97919-BP E-0730-2011-12-08 TP6A-97919-BP W-0730-2011-12-08	As per EPP	2011-12-08	5.3 NTU 5.9 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-08	TP6A-97919-BP E-1130-2011-12-08 TP6A-97919-BP W-1130-2011-12-08	As per EPP	2011-12-08	4.7 NTU 5.2 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-09	TP6A-97919-BP E-0730-2011-12-09 TP6A-97919-BP W-0730-2011-12-09 TP6A-97919-Narrows E-0730-2011-12-09 TP6A-97919-Narrows W-0730-2011-12-09	As per EPP	2011-12-09	17.6 NTU 10.7 NTU 14.4 NTU 14.0 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-09	TP6A-97919-BP E-1130-2011-12-09 TP6A-97919-BP W-1130-2011-12-09	As per EPP	2011-12-09	12.0 NTU 11.8 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-10	TP6A-97919-BP E-0730-2011-12-10 TP6A-97919-BP W-0730-2011-12-10	As per EPP	2011-12-10	3.6 NTU 3.8 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-10	TP6A-97919-BP E-1130-2011-12-10 TP6A-97919-BP W-1130-2011-12-10	As per EPP	2011-12-10	4.6 NTU 5.3 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
Week 3																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-12	TP6A-97919-BP E-0730-2011-12-12 TP6A-97919-BP W-0730-2011-12-12	As per EPP	2011-12-12	4.6 NTU 12.6 NTU	Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	

Quality Control (QC) and Quality Assurance (QA) Environmental Testing Summary Table

Weekly
 Monthly

From: 2011-11-27 To: 2011-12-31

Contractor:	MBJV	Client:	STPA	Form Number:	97918-QAF-073
Element:	TP6A	Oversight:	AECOM/CBCL	Project:	Remediation of the Tar Ponds and Coke Ovens Sites
		IQAC:	Stantec		

Note: This summary table shall be submitted with the Contractor's Monthly QC Report only after all revisions are made to the data here contained based on any DE Environmental comments of the information submitted weekly.

SPECIFIED REQUIREMENTS						RESULTS										NOTES			
Spec Section	Spec Description	Test Type	Standard	QC Frequency	QA Frequency	Date Collected	QC Sample ID	Criteria	Date QC Result Received	QC Test Result	QC Pass/Fail	QC Frequency Met? Y/N	QA Sample ID	Date QA Result Received	QA Test Result	QA Pass/Fail	QA Frequency Met? Y/N	QC	QA
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-12	TP6A-97919-Narrows E-1130-2011-12-12 TP6A-97919-Narrows W-1130-2011-12-12	As per EPP	2011-12-12	6.2 NTU 5.8 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-13	TP6A-97919-BP E-0730-2011-12-13 TP6A-97919-BP W-0730-2011-12-13	As per EPP	2011-12-13	4.1 NTU 6.9 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-13	TP6A-97919-BP E-1130-2011-12-13 TP6A-97919-BP W-1130-2011-12-13	As per EPP	2011-12-13	5.8 NTU 5.4 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-14	TP6A-97919-BP E-0730-2011-12-14 TP6A-97919-BP W-0730-2011-12-14	As per EPP	2011-12-14	4.7 NTU 6.6 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-01	Noise Sampling	Noise Monitoring with a dosimeter or equivalent	CBRM noise by-law and NSE criteria	Once Weekly		2011-12-14	TP6A-97919-Site Trailer-2011-12-14 TP6A-97919-COB -2011-12-14 TP6A-97919-BP-2011-12-14	CBRM noise by-law and NSE criteria	2011-12-14	57.5 L _{eq} (dBA) 64.6 L _{eq} (dBA) 57.7 L _{eq} (dBA)	Pass Pass Pass	Y						<p>Samples collected as per EPP. A minimum of 2hr sample duration in three locations along the perimeter. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-14	TP6A-97919-BP E-1130-2011-12-14 TP6A-97919-BP W-1130-2011-12-14	As per EPP	2011-12-14	8.6 NTU 7.9 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-14	TP6A-97919-BP E-1530-2011-12-14 TP6A-97919-BP W-1530-2011-12-14	As per EPP	2011-12-14	6.1 NTU 5.1 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-15	TP6A-97919-BP E-0730-2011-12-15 TP6A-97919-BP W-0730-2011-12-15	As per EPP	2011-12-15	6.3 NTU 5.1 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours	Once Weekly	2011-12-15	TP6A-97919-BP E-1130-2011-12-15 TP6A-97919-BP W-1130-2011-12-15	As per EPP	2011-12-15	3.9 NTU 3.9 NTU	Pass	Y	TP6A-12-15-2011-EastNarrows TP6A-12-15-2011-WestNarrows	15-Dec-11	1.60 NTU 1.52 NTU	Pass Pass	Yes	<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	<p>Samples were collected in accordance with the EPP. Please refer to the weekly IQAC Site Testing Summary for further details.</p>
Week 4																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-19	TP6A-97919-BP E-0730-2011-12-19 TP6A-97919-BP W-0730-2011-12-19	As per EPP	2011-12-19	3.3 NTU 2.9 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-19	TP6A-97919-Narrows E-1130-2011-12-19 TP6A-97919-Narrows W-1130-2011-12-19	As per EPP	2011-12-19	4.1 NTU 4.8 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-19	TP6A-97919-Narrows E-1530-2011-12-19 TP6A-97919-Narrows W-1530-2011-12-19	As per EPP	2011-12-19	5.5 NTU 4.2 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-20	TP6A-97919-BP E-0730-2011-12-20 TP6A-97919-BP W-0730-2011-12-20	As per EPP	2011-12-20	2.9 NTU 3.3 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-01	Noise Sampling	Noise Monitoring with a dosimeter or equivalent	CBRM noise by-law and NSE criteria	Once Weekly	Once Monthly	2011-12-20	TP6A-97919-Site Trailer-2011-12-20 TP6A-97919-COB -2011-12-20 TP6A-97919-BP-2011-12-20	CBRM noise by-law and NSE criteria	2011-12-20	61.7 L _{eq} (dBA) 58.2 L _{eq} (dBA) 66.8 L _{eq} (dBA)	Pass Pass Fail	N	TP6A-12-20-2011-0813-1014 TP6A-12-20-2011-1014-1214 TP6A-12-20-2011-1223-1430	20-Dec-11	61.6 L _{eq} (dBA) 60.0 L _{eq} (dBA) 66.5 L _{eq} (dBA)	Pass Pass Fail	Yes	<p>Samples collected as per EPP. A minimum of 2hr sample duration in three locations along the perimeter. It should be noted that a slight exceedance was recorded at Battery Point due to high wind gusts and pile driving work in the area. Please refer to the daily EIL for specific testing results.</p>	<p>Samples collected as per EPP. Refer to Monthly Noise QA Testing Summary Table in this report for more information.</p>
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours	Once Weekly	2011-12-20	TP6A-97919-BP E-1130-2011-12-20 TP6A-97919-BP W-1130-2011-12-20	As per EPP	2011-12-20	3.7 NTU 3.8 NTU	Pass	Y	TP6A-12-20-2011-EastNarrows TP6A-12-20-2011-WestNarrows	20-Dec-11	1.64 NTU 1.75 NTU	Pass Pass	Yes	<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	<p>Samples were collected in accordance with the EPP. Please refer to the weekly IQAC Site Testing Summary for further details.</p>
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-20	TP6A-97919-BP E-1530-2011-12-20 TP6A-97919-BP W-1530-2011-12-20	As per EPP	2011-12-20	4.1 NTU 3.2 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-21	TP6A-97919-BP E-0730-2011-12-21 TP6A-97919-BP W-0730-2011-12-21	As per EPP	2011-12-21	3.7 NTU 3.9 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-21	TP6A-97919-BP E-1130-2011-12-21 TP6A-97919-BP W-1130-2011-12-21	As per EPP	2011-12-21	4.9 NTU 5.5 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-21	TP6A-97919-BP E-1530-2011-12-21 TP6A-97919-BP W-1530-2011-12-21	As per EPP	2011-12-21	4.3 NTU 4.5 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-22	TP6A-97919-BP E-0730-2011-12-22 TP6A-97919-BP W-0730-2011-12-22	As per EPP	2011-12-22	5.2 NTU 6.6 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-22	TP6A-97919-BP E-1130-2011-12-22 TP6A-97919-BP W-1130-2011-12-22	As per EPP	2011-12-22	14.9 NTU 13.5 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-22	TP6A-97919-BP E-1530-2011-12-22 TP6A-97919-BP W-1530-2011-12-22	As per EPP	2011-12-22	9.5 NTU 8.7 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2011-12-23	TP6A-97919-BP E-0730-2011-12-23 TP6A-97919-BP W-0730-2011-12-23	As per EPP	2011-12-23	4.8 NTU 5.5 NTU	Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	



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Stantec

February 19, 2012
File: 121410955.225

Sydney Tar Ponds Agency
1 Inglis Street
PO Box 1028, Stn. A
Sydney, NS B1P 6J7

Attention: Ms. Diane Ingraham, PhD., CAPM, Quality Contracts Manager

Dear Ms. Ingraham:

**Reference: Extras Section - STPA Project Element TP6A
Independent Quality Assurance (IQAC) December 2011 Monthly Summary Report**

At the request of Sydney Tar Ponds Agency (STPA), Stantec Consulting Ltd (Stantec) has no reportable extra items to include in the EXTRAS section of the (IQAC) December 2011 Monthly Summary Report.

We trust this information meets your present requirements. If you have any questions, please do not hesitate to contact us.

Sincerely,

STANTEC CONSULTING LTD

Willie McNeil, B.Tech. (Env.), CET
Project Manager
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PO Box 1028, Stn. A
Sydney, NS B1P 6J7

Attention: Ms. Diane Ingraham, PhD., PMP, Quality Contracts Manager

Dear Ms. Ingraham:

Reference: Monthly Invoices

As per the request of the Sydney Tar Ponds Agency, monthly invoices will be submitted in a separate submittal.

Sincerely,

STANTEC CONSULTING LTD

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