



Stantec Consulting Ltd
207-201 Churchill Drive
Membertou NS B1S 0H1
Tel: (902) 564-1855
Fax: (902) 564-8756

Stantec

July 27, 2012
File: 121410955.225

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

Attention: Mr. Claude Goora, P.Eng., PMP, Quality Contracts Manager

Dear Mr. Goora:

**Reference: STPA Project Element TP6A – Flow Diversion
Independent Quality Assurance (IQAC) May 2012 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 May 1 and May 31, 2012:

- Project Item PM-01: Five daily field reports.
- Project Item PM-02: One monthly QA report (May 2012) completed by Stantec in the month of July 2012.
- Project Item PM-04: Two site meetings were attended on May 14 and 28, 2012.
- Project Item PM-05: Other meetings and frequent opinions were provided in the month of May 2012.
- Project Item PM-10: One weekly quality QC/QA meeting and preparation for the meeting.
- Project Item PM- 19: Review of and data entry into March 2012 TP6A QC/QA testing summary tables.
- Project Item QCP-02: Submittal reviews (review of contractor's May 2012 QC report including daily/test reports).
- Project Item ENV-T-01: One noise monitoring event. Noise levels were within the specified limits. See monthly noise QA testing summary table in this report for further information.
- Project Item ENV-T-02: Four 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.

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:	April 30, 2012	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:	Partly Cloudy, 2° WNW @ 11km		
Area Tested/Inspected:	TP6A – Battery Point Discharge Halo		
Inspection / Testing Summary			
<p>Onsite at 1125 meeting Joel MacLeod and 2 laborers. Sampled immediately from the shore. Joel noted the harbour as rough and issues with waves from this morning. Activities noted as pumping only (at the time) though the East side suction pit (former pumps) is scheduled for fill in. Sampled East to West from observation landing adjacent to discharge halo. Samples were taken from the landing, both samples within 2m of each other. Samples were good although both represent a small area taken from a large structure. Samples analyzed on site.</p>			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0096 511 3314	Discharge Halo West	1.04
2	460 0096 511 3312	Discharge Halo East	1.17
<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):	 / Jamie Tunnicliff, B.Sc., B.Eng.
	April 30, 2012		

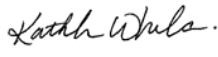

**STPA PROJECT ELEMENT TP6A: FLOW DIVERSION
IQAC SITE TESTING SUMMARY**

Date:	May 11, 2012	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 Cloudy, 14° SSW @ 17km		
Area Tested/Inspected:	TP6A – Battery Point Discharge Halo		
Inspection / Testing Summary			
<p>Onsite at Battery Point at 1125 meeting Joel MacLeod and two laborers. Joel noted harbor as too choppy and unfavorable for sampling by boat. Samples from halo landing/observation with East/West samples taken approximately 3m from each other. Activities of pump maintenance only onsite with sampling West to East completed by 1145. Samples analyzed on site.</p>			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0096 511 3313	Battery Point West	8.27
2	460 0096 511 3316	Battery Point East	4.01
<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):	 /Jamie Tunnicliff, B.Sc., B.Eng.
	May 11, 2012		July 23, 2012

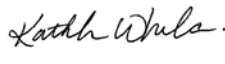

**STPA PROJECT ELEMENT TP6A: FLOW DIVERSION
IQAC SITE TESTING SUMMARY**

Date:	May 18, 2012	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:	1128
Weather:	Clear, 12° WSW @ 12km		
Area Tested/Inspected:	TP6A – Battery Point Discharge Halo		
Inspection / Testing Summary			
<p>Stantec onsite for 1128 meeting 2 laborers and Joel MacLeod shortly after Battery Point. Sampling was decided by Joel MacLeod to be taken onshore noting winds and rough water. Kathleen carried out side by side sampling from Halo landing where the tide was too low for Stantec's sampler. So a shared sample from QC's sampler was taken. Activities noted as only pump maintenance. Samples analyzed on site.</p>			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0095 511 3313	West Discharge Halo Landing	1.92
2	460 0095 511 3312	East Discharge Halo Landing	2.05
<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):	 /Jamie Tunnicliff, B.Sc., B.Eng.
	May 18, 2012		July 23, 2012

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

Date:	May 23, 2012	IQAC On-Site Rep:	Kathleen Whelan
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:	1120
Weather:	Overcast, 14° SW @ 17km		
Area Tested/Inspected:	TP6A – Battery Point Discharge Halo		
Inspection / Testing Summary			
<p>Met Curt Knowles at McNally site trailers at 11:20 and arrived at Battery Point at 1130. Boarded pleasure craft with Paddy of McNally immediately and proceeded to sampling locations. East location was sampled at 1138 and West location at 1135. Both samples were taken simultaneously to contractor samples. Samples were tested once back on dry land. Contractor activities for the day included pumping water from the Narrows to Battery Point.</p> <p>Samples analyzed on site.</p>			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0015 511 3346	Discharge Halo East	0.55
2	460 0870 511 2961	Discharge Halo West	0.65
<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):	 /Kathleen Whelan, B.Tech. (Env)	IQAC Management Review (Sign/Print/Date):	 /Jamie Tunnicliff, B.Sc., B.Eng.
	May 23, 2012		July 23, 2012

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

Date:	May 30, 2012	IQAC On-Site Rep:	Kathleen Whelan
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:	Rain, 7°		
Area Tested/Inspected:	TP6A – Battery Point Discharge Halo		
Inspection / Testing Summary			
<p>Met contractor at Battery Point at 1130, promptly boarded the boat to begin sampling. Sampled east of the halo structure first, then west. No issues noted. Contractor activities for the day included general pump maintenance, no intrusive activities.</p> <p>Testing was completed upon returning to site trailer. Tide coming in.</p>			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0025 511 3339	Battery Point East	0.42
2	460 0029 511 3312	Battery Point West	0.30
<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):	 /Kathleen Whelan, B.Tech. (Env)	IQAC Management Review (Sign/Print/Date):	 /Jamie Tunnicliff, B.Sc., B.Eng.
	May 30, 2012		July 23, 2012

Monthly Noise QA Testing Summary Table

Contractor:	MBJV	Client:	STPA	Form Number:	TP6A Noise May 2012
Element:	TP6A	Oversight:	AECOM/CBCL	Project:	Remediation of the Tar Ponds and Coke Ovens Sites
Month:	May 2012	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	28-May-12	<65 dBA	TP6A-05-28-2012-0800-1000	460 1224 511 2868	67.9 dBA	Fail	Y	Sample location is at TP6A Support zone/trailers. Support zone traffic with heavy presence of multiple contractor accessing clean roads.
EPP	ENV-T-01	Noise	CBRM Noise By-Law & NSE Criteria	once per month	28-May-12	<65 dBA	TP6A-05-28-2012-1007-1207	460 0875 511 3140	55.7 dBA	Pass	Y	Sample location is at High Dump Look off/Band stand. Very little McNally related activities. S&S below with heavy presence of multiple contractors.
EPP	ENV-T-01	Noise	CBRM Noise By-Law & NSE Criteria	once per month	28-May-12	<65 dBA	TP6A-05-28-2012-1219-1421	460 0671 511 3010	56.0 dBA	Pass	Y	Sample location is at Ferry Street West Fenceline. Various contractor/over sight vehicles and machinery present.

Activities onsite at the time of the sampling events include S&S, contractor oversight.



Stantec Consulting Ltd
207-201 Churchill Drive
Membertou, NS B1S 0H1
Tel: (902) 564-1855
Fax: (902) 564-8756

Stantec

July 25, 2012
File: 121410955.225

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

Attention: Mr. Claude Goora, P.Eng., PMP, Quality Contract Manager

Dear: Mr. Goora

**Reference: Environmental Quality Assurance of Quality Control Program
Element TP6A, Sydney Tar Ponds Project, Sydney, NS
Review of Contractor's May 2012 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 Marine Joint Venture (MBJV) and their quality control consultant (Exp Services Inc. (exp)), Monthly Quality Control (QC) Report for the month of May 2012 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:

Level 3	<u>Quality Control (QC) Environmental Inspection Summary Table</u> Under 'Date Inspected' the EIL line states '2012-05-04' where it should state '2012-05-14'.
---------	---

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.

July 25, 2012

Mr. Claude Goora, P.Eng., 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 May 2012 Quality Control (QC) Report**

Sincerely,

STANTEC CONSULTING LTD



Jamie Tunnicliff, B.Sc., B.Eng (EIT)
Assistant Environmental Manager
Tel: (902) 564-1855
Fax: (902) 564-8756
Jamie.tunnicliff@stantec.com



Willie McNeil, B.Tech.(Env)., CET Manager,
Project Manager
Tel: (902) 564-1855
Fax: (902) 564-8756
willie.mcneil@stantec.com



Stantec

Stantec Consulting Ltd.
207-201 Churchill Drive
Membertou, NS B1S 0H1
Tel: (902) 564-1855
Fax: (902) 564-8756

July 25, 2012
File: 121410955.225

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

Attention: Mr. Claude Goora, P.Eng., PMP, Quality Contracts Manager

Dear Mr. Goora:

**Reference: Materials and Geotechnical Quality Assurance of Quality Control Program
Element TP6A, Sydney Tar Ponds Project, Sydney, NS
Review of Contractor's May 2012 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 May 2012 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 3	All reports should be <u>signed</u> by the applicable QC testing and review personnel, with names clearly printed, and dated once they are completed and reviewed.
---------	--

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

July 25, 2012

Mr. Claude Goora, P.Eng., PMP, Quality Contracts 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 May 2012 Quality Control (QC) Report**

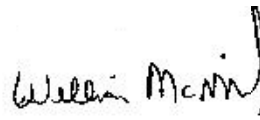
We trust this information meets your present needs. If you have any questions, or if we can be of further assistance, please do not hesitate to contact us at your convenience.

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



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

- Weekly
- Monthly

From: 29-Apr-12 To: 26-May-12

Contractor:	MBJV	Client:	STPA	Form Number:	97918-QAF-059
Element:	TP6A	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																			
No testing completed this week																			
Week 2																			
No testing completed this week																			
Week 3																			
No testing completed this week																			
Week 4																			
No testing completed this week																			



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

- Weekly
- Monthly

From: 2012-04-29 To: 2012-05-26

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		2012-04-29	TP6A-97919-BP Discharge Cell E-0730-2012-04-29 TP6A-97919-BP Discharge Cell W-0730-2012-04-29	As per EPP	2012-04-29	2.6 NTU 3.8 NTU	Pass 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		2012-04-29	TP6A-97919-BP Discharge Cell E-1130-2012-04-29 TP6A-97919-BP Discharge Cell W-1130-2012-04-29	As per EPP	2012-04-29	4.2 NTU 3.2 NTU	Pass 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		2012-04-30	TP6A-97919-BP Discharge Cell E-0730-2012-04-30 TP6A-97919-BP Discharge Cell W-0730-2012-04-30	As per EPP	2012-04-30	2.3 NTU 1.5 NTU	Pass 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	Every week	2012-04-30	TP6A-97919-BP Discharge Cell E-1130-2012-04-30 TP6A-97919-BP Discharge Cell W-1130-2012-04-30	As per EPP	2012-04-30	1.4 NTU 1.2 NTU	Pass Pass	Y	TP6A-04-30-2012-East BP TP6A-04-30-2012-West BP	30-Apr-12	1.17 NTU 1.04 NTU	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		2012-05-01	TP6A-97919-BP Discharge Cell E-0730-2012-05-01 TP6A-97919-BP Discharge Cell W-0730-2012-05-01	As per EPP	2012-05-01	2.4 NTU 1.7 NTU	Pass 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		2012-05-01	TP6A-97919-Site Trailers/Tool Cribs-2012-05-01 TP6A-97919-High Dump Look off-2012-05-01 TP6A-97919-Ferry St. West Fence-2012-05-01	CBRM noise by-law and NSE criteria	2012-05-01	60.5 L _{eq} (dBA) 49.7 L _{eq} (dBA) 56.5 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		2012-05-01	TP6A-97919-BP Discharge Cell E-1130-2012-05-01 TP6A-97919-BP Discharge Cell W-1130-2012-05-01	As per EPP	2012-05-01	2.1 NTU 2.8 NTU	Pass 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		2012-05-02	TP6A-97919-BP Discharge Cell E-0730-2012-05-02 TP6A-97919-BP Discharge Cell W-0730-2012-05-02	As per EPP	2012-05-02	1.9 NTU 2.2 NTU	Pass 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		2012-05-02	TP6A-97919-BP Discharge Cell E-1130-2012-05-02 TP6A-97919-BP Discharge Cell W-1130-2012-05-02	As per EPP	2012-05-02	2.6 NTU 2.3 NTU	Pass 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		2012-05-03	TP6A-97919-BP Discharge Cell E-0730-2012-05-03 TP6A-97919-BP Discharge Cell W-0730-2012-05-03	As per EPP	2012-05-03	1.9 NTU 1.4 NTU	Pass 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		2012-05-03	TP6A-97919-BP Discharge Cell E-1130-2012-05-03 TP6A-97919-BP Discharge Cell W-1130-2012-05-03	As per EPP	2012-05-03	1.6 NTU 1.8 NTU	Pass 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		2012-05-04	TP6A-97919-BP Discharge Cell E-0730-2012-05-04 TP6A-97919-BP Discharge Cell W-0730-2012-05-04	As per EPP	2012-05-04	2.2 NTU 1.4 NTU	Pass 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		2012-05-04	TP6A-97919-BP Discharge Cell E-1130-2012-05-04 TP6A-97919-BP Discharge Cell W-1130-2012-05-04	As per EPP	2012-05-04	2.0 NTU 1.9 NTU	Pass 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		2012-05-05	TP6A-97919-BP Discharge Cell E-0730-2012-05-05 TP6A-97919-BP Discharge Cell W-0730-2012-05-05	As per EPP	2012-05-05	2.3 NTU 7.7 NTU	Pass 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		2012-05-05	TP6A-97919-BP Discharge Cell E-1130-2012-05-05 TP6A-97919-BP Discharge Cell W-1130-2012-05-05	As per EPP	2012-05-05	2.7 NTU 3.9 NTU	Pass 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		2012-05-06	TP6A-97919-BP Discharge Cell E-0730-2012-05-06 TP6A-97919-BP Discharge Cell W-0730-2012-05-06	As per EPP	2012-05-06	3.7 NTU 3.3 NTU	Pass 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		2012-05-06	TP6A-97919-BP Discharge Cell E-1130-2012-05-06 TP6A-97919-BP Discharge Cell W-1130-2012-05-06	As per EPP	2012-05-06	3.1 NTU 2.4 NTU	Pass 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		2012-05-07	TP6A-97919-BP Discharge Cell E-0730-2012-05-07 TP6A-97919-BP Discharge Cell W-0730-2012-05-07	As per EPP	2012-05-07	2.9 NTU 4.6 NTU	Pass 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		2012-05-07	TP6A-97919-BP Discharge Cell E-1130-2012-05-07 TP6A-97919-BP Discharge Cell W-1130-2012-05-07	As per EPP	2012-05-07	3.2 NTU 3.4 NTU	Pass 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		2012-05-08	TP6A-97919-BP Discharge Cell E-0730-2012-05-08 TP6A-97919-BP Discharge Cell W-0730-2012-05-08	As per EPP	2012-05-08	3.4 NTU 2.2 NTU	Pass 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		2012-05-08	TP6A-97919-Site Trailers/Tool Cribs-2012-05-08 TP6A-97919-High Dump Look off-2012-05-08 TP6A-97919-Ferry St. West Fence-2012-05-08	CBRM noise by-law and NSE criteria	2012-05-08	58.2 L _{eq} (dBA) 56.7 L _{eq} (dBA) 66.5 L _{eq} (dBA)	Pass Pass Fail	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. Noise exceeded at Ferry St. due to heavy machinery working on the bridge. 2012/05/08, 1545, JM.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-05-08	TP6A-97919-BP Discharge Cell E-1130-2012-05-08 TP6A-97919-BP Discharge Cell W-1130-2012-05-08	As per EPP	2012-05-08	2.3 NTU 2.1 NTU	Pass 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		2012-05-09	TP6A-97919-BP Discharge Cell E-0730-2012-05-09 TP6A-97919-BP Discharge Cell W-0730-2012-05-09	As per EPP	2012-05-09	2.2 NTU 2.5 NTU	Pass 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		2012-05-09	TP6A-97919-BP Discharge Cell E-1130-2012-05-09 TP6A-97919-BP Discharge Cell W-1130-2012-05-09	As per EPP	2012-05-09	3.4 NTU 3.9 NTU	Pass 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		2012-05-10	TP6A-97919-BP Discharge Cell E-0730-2012-05-10 TP6A-97919-BP Discharge Cell W-0730-2012-05-10	As per EPP	2012-05-10	4.0 NTU 3.6 NTU	Pass 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		2012-05-10	TP6A-97919-BP Discharge Cell E-1130-2012-05-10 TP6A-97919-BP Discharge Cell W-1130-2012-05-10	As per EPP	2012-05-10	5.5 NTU 6.2 NTU	Pass 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: 2012-04-29 To: 2012-05-26

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		2012-05-11	TP6A-97919-BP Discharge Cell E-0730-2012-05-11 TP6A-97919-BP Discharge Cell W-0730-2012-05-11	As per EPP	2012-05-11	7.6 NTU 7.3 NTU	Pass 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	Every week	2012-05-11	TP6A-97919-BP Discharge Cell E-1130-2012-05-11 TP6A-97919-BP Discharge Cell W-1130-2012-05-11	As per EPP	2012-05-11	12.4 NTU 7.1 NTU	Pass Pass	Y	TP6A-05-11-2012-East BP TP6A-05-11-2012-West BP	11-May-12	4.01 NTU 8.27 NTU	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		2012-05-12	TP6A-97919-BP Discharge Cell E-0730-2012-05-12 TP6A-97919-BP Discharge Cell W-0730-2012-05-12	As per EPP	2012-05-12	3.6 NTU 3.3 NTU	Pass 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		2012-05-12	TP6A-97919-BP Discharge Cell E-1130-2012-05-12 TP6A-97919-BP Discharge Cell W-1130-2012-05-12	As per EPP	2012-05-12	4.6 NTU 4.8 NTU	Pass 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		2012-05-13	TP6A-97919-BP Discharge Cell E-0730-2012-05-13 TP6A-97919-BP Discharge Cell W-0730-2012-05-13	As per EPP	2012-05-13	2.2 NTU 1.8 NTU	Pass 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		2012-05-13	TP6A-97919-BP Discharge Cell E-1130-2012-05-13 TP6A-97919-BP Discharge Cell W-1130-2012-05-13	As per EPP	2012-05-13	1.4 NTU 2.1 NTU	Pass 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		2012-05-14	TP6A-97919-BP Discharge Cell E-0730-2012-05-14 TP6A-97919-BP Discharge Cell W-0730-2012-05-14	As per EPP	2012-05-14	2.2 NTU 1.6 NTU	Pass 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		2012-05-04	TP6A-97919-BP Discharge Cell E-1130-2012-05-14 TP6A-97919-BP Discharge Cell W-1130-2012-05-14	As per EPP	2012-05-04	2.8 NTU 1.7 NTU	Pass 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		2012-05-15	TP6A-97919-BP Discharge Cell E-0730-2012-05-15 TP6A-97919-BP Discharge Cell W-0730-2012-05-15	As per EPP	2012-05-15	2.0 NTU 2.3 NTU	Pass 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		2012-05-15	TP6A-97919-Site Trailers/Tool Cribs-2012-05-15 TP6A-97919-High Dump Look off-2012-05-15 TP6A-97919-Ferry St. West Fence-2012-05-15	CBRM noise by-law and NSE criteria	2012-05-15	64.7 L _{eq} (dBA) 64.3 L _{eq} (dBA) 56.8 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		2012-05-15	TP6A-97919-BP Discharge Cell E-1130-2012-05-15 TP6A-97919-BP Discharge Cell W-1130-2012-05-15	As per EPP	2012-05-15	1.7 NTU 1.6 NTU	Pass 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		2012-05-16	TP6A-97919-BP Discharge Cell E-0730-2012-05-16 TP6A-97919-BP Discharge Cell W-0730-2012-05-16	As per EPP	2012-05-16	2.5 NTU 2.1 NTU	Pass 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		2012-05-16	TP6A-97919-BP Discharge Cell E-1130-2012-05-16 TP6A-97919-BP Discharge Cell W-1130-2012-05-16	As per EPP	2012-05-16	2.2 NTU 1.3 NTU	Pass 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		2012-05-17	TP6A-97919-BP Discharge Cell E-0730-2012-05-17 TP6A-97919-BP Discharge Cell W-0730-2012-05-17	As per EPP	2012-05-17	1.8 NTU 2.2 NTU	Pass 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		2012-05-17	TP6A-97919-BP Discharge Cell E-1130-2012-05-17 TP6A-97919-BP Discharge Cell W-1130-2012-05-17	As per EPP	2012-05-17	3.3 NTU 2.7 NTU	Pass 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		2012-05-18	TP6A-97919-BP Discharge Cell E-0730-2012-05-18 TP6A-97919-BP Discharge Cell W-0730-2012-05-18	As per EPP	2012-05-18	2.2 NTU 2.6 NTU	Pass 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	Every week	2012-05-18	TP6A-97919-BP Discharge Cell E-1130-2012-05-18 TP6A-97919-BP Discharge Cell W-1130-2012-05-18	As per EPP	2012-05-18	3.6 NTU 2.4 NTU	Pass Pass	Y	TP6A-05-18-2012-East BP TP6A-05-18-2012-West BP	18-May-12	2.05 NTU 1.92 NTU	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		2012-05-19	TP6A-97919-BP Discharge Cell E-0730-2012-05-19 TP6A-97919-BP Discharge Cell W-0730-2012-05-19	As per EPP	2012-05-19	4.0 NTU 4.9 NTU	Pass 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		2012-05-19	TP6A-97919-BP Discharge Cell E-1030-2012-05-19 TP6A-97919-BP Discharge Cell W-1030-2012-05-19	As per EPP	2012-05-19	9.8 NTU 8.6 NTU	Pass Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
Week 4																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-05-20	TP6A-97919-BP Discharge Cell E-0730-2012-05-20 TP6A-97919-BP Discharge Cell W-0730-2012-05-20	As per EPP	2012-05-20	2.1 NTU 2.2 NTU	Pass 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		2012-05-20	TP6A-97919-BP Discharge Cell E-1030-2012-05-20 TP6A-97919-BP Discharge Cell W-1030-2012-05-20	As per EPP	2012-05-20	1.9 NTU 3.3 NTU	Pass 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		2012-05-21	TP6A-97919-BP Discharge Cell E-0730-2012-05-21 TP6A-97919-BP Discharge Cell W-0730-2012-05-21	As per EPP	2012-05-21	2.7 NTU 1.9 NTU	Pass 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		2012-05-21	TP6A-97919-BP Discharge Cell E-1030-2012-05-21 TP6A-97919-BP Discharge Cell W-1030-2012-05-21	As per EPP	2012-05-21	2.1 NTU 2.6 NTU	Pass 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		2012-05-22	TP6A-97919-BP Discharge Cell E-0730-2012-05-22 TP6A-97919-BP Discharge Cell W-0730-2012-05-22	As per EPP	2012-05-22	2.5 NTU 2.7 NTU	Pass 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		2012-05-22	TP6A-97919-Site Trailers/Tool Cribs-2012-05-22 TP6A-97919-High Dump Look off-2012-05-22 TP6A-97919-Ferry St. West Fence-2012-05-22	CBRM noise by-law and NSE criteria	2012-05-22	65.0 L _{eq} (dBA) 61.3 L _{eq} (dBA) 62.0 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		2012-05-22	TP6A-97919-BP Discharge Cell E-1130-2012-05-22 TP6A-97919-BP Discharge Cell W-1130-2012-05-22	As per EPP	2012-05-22	2.5 NTU 1.2 NTU	Pass 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: 2012-04-29 To: 2012-05-26

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		2012-05-23	TP6A-97919-BP Discharge Cell E-0730-2012-05-23 TP6A-97919-BP Discharge Cell W-0730-2012-05-23	As per EPP	2012-05-23	2.4 NTU 1.6 NTU	Pass 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	Every week	2012-05-23	TP6A-97919-BP Discharge Cell E-1130-2012-05-23 TP6A-97919-BP Discharge Cell W-1130-2012-05-23	As per EPP	2012-05-23	1.4 NTU 1.2 NTU	Pass Pass	Y	TP6A-05-23-2012-East BP TP6A-05-23-2012-West BP	23-May-12	0.65 NTU 0.55 NTU	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		2012-05-24	TP6A-97919-BP Discharge Cell E-0730-2012-05-24 TP6A-97919-BP Discharge Cell W-0730-2012-05-24	As per EPP	2012-05-24	4.2 NTU 2.0 NTU	Pass 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		2012-05-24	TP6A-97919-BP Discharge Cell E-1130-2012-05-24 TP6A-97919-BP Discharge Cell W-1130-2012-05-24	As per EPP	2012-05-24	1.3 NTU 2.4 NTU	Pass 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		2012-05-25	TP6A-97919-BP Discharge Cell E-0730-2012-05-25 TP6A-97919-BP Discharge Cell W-0730-2012-05-25	As per EPP	2012-05-25	3.2 NTU 3.0 NTU	Pass 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		2012-05-25	TP6A-97919-BP Discharge Cell E-1130-2012-05-25 TP6A-97919-BP Discharge Cell W-1130-2012-05-25	As per EPP	2012-05-25	1.6 NTU 2.1 NTU	Pass 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		2012-05-26	TP6A-97919-BP Discharge Cell E-0730-2012-05-26 TP6A-97919-BP Discharge Cell W-0730-2012-05-26	As per EPP	2012-05-26	2.3 NTU 2.8 NTU	Pass 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		2012-05-26	TP6A-97919-BP Discharge Cell E-1015-2012-05-26 TP6A-97919-BP Discharge Cell W-1015-2012-05-26	As per EPP	2012-05-26	4.5 NTU 3.5 NTU	Pass Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	



Stantec Consulting Ltd
207-201 Churchill Drive
Membertou NS B1S 0H1
Tel: (902) 564-1855
Fax: (902) 564-8756

Stantec

July 25, 2012
File: 121410955.225

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

Attention: Mr. Claude Goora, P.Eng., PMP, Quality Contracts Manager

Dear Mr. Goora:

**Reference: Extras Section - STPA Project Element TP6A
Independent Quality Assurance (IQAC) May 2012 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) May 2012 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
Tel: (902) 564-1855
Fax: (902) 564-8756
willie.mcneil@stantec.com