



Stantec Consulting Ltd
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Stantec

October 16, 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) August 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 August 1 and August 31, 2012:

- Project Item PM-01: Five daily field reports.
- Project Item PM-02: One monthly QA report (August 2012) completed by Stantec in the month of October 2012.
- Project Item PM-04: One site meeting was attended by Stantec on August 20, 2012.
- Project Item PM-05: Other meetings and frequent opinions were provided in the month of August 2012.
- Project Item PM-10: Two weekly quality QC/QA meetings and preparation for the meetings.
- Project Item PM-19: Review of and data entry into June 2012 TP6A QC/QA testing summary tables.
- Project Item QCP-02: Submittal reviews (review of contractor's August 2012 QC report including daily/test reports).
- Project Item ENV-T-01: One noise monitoring event. Noise levels were within the specified limits at two of the three site locations. One site location had recordable noise levels not within the specified limits due to windy conditions and nearby site traffic. See monthly noise QA testing summary table in this report for further information.
- Project Item ENV-T-02: Ten (10) 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

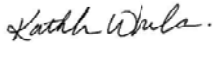

**STPA PROJECT ELEMENT TP6A: FLOW DIVERSION
IQAC SITE TESTING SUMMARY**

Date:	August 3, 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:	0715
Weather:	Clear, 17° C W @ 6 km		
Area Tested/Inspected:	TP6A – Sydney Harbor/Discharge Halo		
Inspection / Testing Summary			
Met contractor at site trailers at 0720 and proceeded to Battery Point. Sampled East location first, then West. No issues noted. Contractor activities for the day included general pump and pipe maintenance. Offsite at 0800.			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0015 511 3307	Battery Point East	0.82
2	460 0015 511 3307	Battery Point West	0.56
<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.	IQAC Management Review (Sign/Print/Date):	 /Jamie Tunnicliff, B.Sc., B.Eng.
	August 3, 2012		August 15, 2012



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

Date:	August 10, 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:	Clear, 23° C NE @ 7 km		
Area Tested/Inspected:	TP6A – Sydney Harbor/Discharge Halo		
Inspection / Testing Summary			
Met contractor on site at 1120 and proceeded to Battery Point. Sampled West location first, then East. No issues noted. Contractor activities for the day included performing general pump and pipe maintenance. Left site at 1200.			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0023 511 3315	Battery Point West	0.79
2	460 0024 511 3339	Battery Point East	0.62
<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.	IQAC Management Review (Sign/Print/Date):	 /Jamie Tunnicliff, B.Sc., B.Eng.
	August 10, 2012		August 15, 2012



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

Date:	August 16, 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:	Rain, 19° C ESE @ 19 km		
Area Tested/Inspected:	TP6A – Sydney Harbor/Discharge Halo		
Inspection / Testing Summary			
<p>Met contractor onsite at 1120 and proceeded to Battery Point. Contractor did not sample from the boat as the water was too rough, sampling was done from the sampling deck West of discharge halo. No deficiencies noted. Contractor performing general pump and pipe maintenance. Offsite by 1220.</p>			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0095 511 3307	Battery Point West	0.99
2	460 0095 511 3302	Battery Point East	0.41
<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.	IQAC Management Review (Sign/Print/Date):	 /Jamie Tunnicliff, B.Sc., B.Eng.
	August 16, 2012		August 31, 2012

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

Date:	August 24, 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:	0925
Weather:	Clear, 17° C WSW @ 11 km		
Area Tested/Inspected:	TP6A – Sydney Harbor/Discharge Halo		
Inspection / Testing Summary			
Met contractor onsite at 0930 and proceeded to first sampling location (Battery Point). Using the contractors boat we sampled Battery Point West then East. No deficiencies noted. Contractor activities for the day included general pump and pipe maintenance along with some work at CO7 on manholes.			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0036 511 3313	Battery Point West	0.78
2	460 0023 511 3333	Battery Point East	0.92
<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.	IQAC Management Review (Sign/Print/Date):	 /Jamie Tunnicliff, B.Sc., B.Eng.
	August 24, 2012		August 31, 2012

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

Date:	August 29, 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:	0937
Weather:	Mainly Cloudy, 16° C WSW @ 9 km		
Area Tested/Inspected:	TP6A – Sydney Harbor/Discharge Halo		
Inspection / Testing Summary			
Onsite with contractor, Joel MacLeod and 2 laborers, for 0937. Sampling began immediately upon receipt of the boats oars. Sampled (2) East to West at Battery Point with a moderate chop onshore. Completed by 0958 with testing performed upon arrival to trailer. Activities noted as pump maintenance and equipment/supplies move.			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0140 511 3210	Battery Point Halo	0.75
2	460 0168 511 3164	Battery Point Halo	1.01
<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):	
	August 29, 2012		/Jamie Tunnicliff, B.Sc., B.Eng. August 31, 2012

Monthly Noise QA Testing Summary Table

Contractor:	MBJV	Client:	STPA	Form Number:	TP6A Noise August 2012
Element:	TP6A	Oversight:	AECOM/CBCL	Project:	Remediation of the Tar Ponds and Coke Ovens Sites
Month:	August 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	29-Aug-12	<65 dBA	TP6A-08-29-2012-0806-1013	460 1226 511 2861	60.3 dBA	Pass	Y	Sample location is at Contractor Support Zone. Support crews in transit. Traffic on and offsite.
EPP	ENV-T-01	Noise	CBRM Noise By-Law & NSE Criteria	once per month	29-Aug-12	<65 dBA	TP6A-08-29-2012-1020-1227	460 0875 511 3137	56.5 dBA	Pass	Y	Sample location is at High Dump/Band Stand Look Off. S&S Activities in distance. Heavy Contractor traffic.
EPP	ENV-T-01	Noise	CBRM Noise By-Law & NSE Criteria	once per month	29-Aug-12	<65 dBA	TP6A-08-29-2012-1230-1436	460 0826 511 3232	66.8 dBA	Fail	Y	Sample location is Northeast Site Boundary. Truck wash traffic. Moderate winds.

Activities onsite at the time of the sampling events include heavy contractor traffic.



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October 15, 2012
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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 August 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 August 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	<p><u>Environmental Inspection Logs</u></p> <p>The footnote on Page 1 of the EILs state, "Criteria for Acceptable and Not Acceptable for each checklist item is given on Pages 3 to 6". Pages 3 to 6 are not provided nor are the guidelines for noise or surface water provided on the EIL. As such, it cannot be determined from the EIL if the measurements Pass or Fail the guidelines.</p>
Level 3	<p><u>Environmental Inspection Logs</u></p> <p>The August 10 (1110) and August 16 (1110) EILs should state the surface water sampling (turbidity monitoring) was completed side by side with the IQAC, Stantec.</p>

October 15, 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 August 2012 Quality Control (QC) Report**

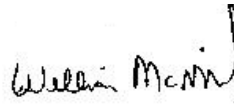
This report covers the quality control aspects for the environmental inspection/testing portions of the project. We trust this information meets your present needs. If you have any questions, or if we can be of further assistance, please do not hesitate to contact us at your convenience.

Sincerely,

STANTEC CONSULTING LTD



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

October 15, 2012

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

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**Reference: Materials and Geotechnical Quality Assurance of Quality Control Program
Element TP6A, Sydney Tar Ponds Project, Sydney, NS
Review of Contractor's August 2012 Quality Control (QC) Report**

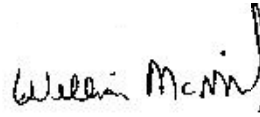
We trust this information meets your present needs. If you have any questions, or if we can be of further assistance, please do not hesitate to contact us at your convenience.

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-Jul-12 To: 1-Sep-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																			
Week 5																			
No testing completed this week																			

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

- Weekly
 Monthly

From: 2012-07-29 To: 2012-09-01

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		2012-07-29	TP6A-97919-BP Discharge Cell E-0730-2012-07-29 TP6A-97919-BP Discharge Cell W-0730-2012-07-29	As per EPP	2012-07-29	2.2 NTU 2.2 NTU	Pass 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		2012-07-29	TP6A-97919-BP Discharge Cell E-1045-2012-07-29 TP6A-97919-BP Discharge Cell W-1045-2012-07-29	As per EPP	2012-07-29	4.4 NTU 2.6 NTU	Pass 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		2012-07-30	TP6A-97919-BP Discharge Cell E-0730-2012-07-30 TP6A-97919-BP Discharge Cell W-0730-2012-07-30	As per EPP	2012-07-30	2.6 NTU 2.2 NTU	Pass 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		2012-07-30	TP6A-97919-BP Discharge Cell E-1130-2012-07-30 TP6A-97919-BP Discharge Cell W-1130-2012-07-30	As per EPP	2012-07-30	4.2 NTU 5.6 NTU	Pass 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		2012-07-31	TP6A-97919-BP Discharge Cell E-0730-2012-07-31 TP6A-97919-BP Discharge Cell W-0730-2012-07-31	As per EPP	2012-07-31	4.1 NTU 3.3 NTU	Pass 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		2012-07-31	TP6A-97919-Site Trailers/Tool Cribs-2012-07-31 TP6A-97919-High Dump Look off-2012-07-31 TP6A-97919-Ferry St. West Fence-2012-07-31	CBRM noise by-law and NSE criteria	2012-07-31	59.6 L _{eq} (dBA) 55.2 L _{eq} (dBA) 53.6 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		2012-07-31	TP6A-97919-BP Discharge Cell E-1130-2012-07-31 TP6A-97919-BP Discharge Cell W-1130-2012-07-31	As per EPP	2012-07-31	2.1 NTU 2.1 NTU	Pass 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		2012-08-01	TP6A-97919-BP Discharge Cell E-0730-2012-08-01 TP6A-97919-BP Discharge Cell W-0730-2012-08-01	As per EPP	2012-08-01	3.5 NTU 3.8 NTU	Pass 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		2012-08-01	TP6A-97919-BP Discharge Cell E-1130-2012-08-01 TP6A-97919-BP Discharge Cell W-1130-2012-08-01	As per EPP	2012-08-01	2.4 NTU 3.1 NTU	Pass 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		2012-08-02	TP6A-97919-BP Discharge Cell E-0730-2012-08-02 TP6A-97919-BP Discharge Cell W-0730-2012-08-02	As per EPP	2012-08-02	2.9 NTU 3.3 NTU	Pass 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		2012-08-02	TP6A-97919-BP Discharge Cell E-1130-2012-08-02 TP6A-97919-BP Discharge Cell W-1130-2012-08-03	As per EPP	2012-08-02	2.5 NTU 2.6 NTU	Pass 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	2012-08-03	TP6A-97919-BP Discharge Cell E-0730-2012-08-03 TP6A-97919-BP Discharge Cell W-0730-2012-08-03	As per EPP	2012-08-03	1.9 NTU 1.3 NTU	Pass Pass	Y	TP6A-08-03-2012-East BP TP6A-08-03-2012-West BP	3-Aug-12	0.82 NTU 0.56 NTU	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		2012-08-03	TP6A-97919-BP Discharge Cell E-1130-2012-08-03 TP6A-97919-BP Discharge Cell W-1130-2012-08-03	As per EPP	2012-08-03	2.8 NTU 1.9 NTU	Pass 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		2012-08-04	TP6A-97919-BP Discharge Cell E-0730-2012-08-04 TP6A-97919-BP Discharge Cell W-0730-2012-08-04	As per EPP	2012-08-04	2.7 NTU 2.4 NTU	Pass 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		2012-08-04	TP6A-97919-BP Discharge Cell E-1045-2012-08-04 TP6A-97919-BP Discharge Cell W-1045-2012-08-04	As per EPP	2012-08-04	3.4 NTU 3.3 NTU	Pass Pass	Y						<p>Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.</p>	
Week 2																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-08-05	TP6A-97919-BP Discharge Cell E-0730-2012-08-05 TP6A-97919-BP Discharge Cell W-0730-2012-08-05	As per EPP	2012-08-05	1.8 NTU 3.0 NTU	Pass 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		2012-08-05	TP6A-97919-BP Discharge Cell E-1045-2012-08-05 TP6A-97919-BP Discharge Cell W-1045-2012-08-05	As per EPP	2012-08-05	1.6 NTU 1.9 NTU	Pass 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		2012-08-06	TP6A-97919-BP Discharge Cell E-0730-2012-08-06 TP6A-97919-BP Discharge Cell W-0730-2012-08-06	As per EPP	2012-08-06	1.0 NTU 1.3 NTU	Pass 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		2012-08-06	TP6A-97919-BP Discharge Cell E-1045-2012-08-06 TP6A-97919-BP Discharge Cell W-1045-2012-08-06	As per EPP	2012-08-06	2.6 NTU 1.9 NTU	Pass 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		2012-08-07	TP6A-97919-BP Discharge Cell E-0730-2012-08-07 TP6A-97919-BP Discharge Cell W-0730-2012-08-07	As per EPP	2012-08-07	1.3 NTU 1.2 NTU	Pass 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		2012-08-07	TP6A-97919-Site Trailers/Tool Cribs-2012-08-07 TP6A-97919-High Dump Look off-2012-08-07 TP6A-97919-Ferry St. West Fence-2012-08-07	CBRM noise by-law and NSE criteria	2012-08-07	61.3 L _{eq} (dBA) 63.8 L _{eq} (dBA) 52.9 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		2012-08-07	TP6A-97919-BP Discharge Cell E-1130-2012-08-07 TP6A-97919-BP Discharge Cell W-1130-2012-08-07	As per EPP	2012-08-07	1.3 NTU 1.1 NTU	Pass 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		2012-08-08	TP6A-97919-BP Discharge Cell E-0730-2012-08-08 TP6A-97919-BP Discharge Cell W-0730-2012-08-08	As per EPP	2012-08-08	1.4 NTU 2.1 NTU	Pass 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		2012-08-08	TP6A-97919-BP Discharge Cell E-1130-2012-08-08 TP6A-97919-BP Discharge Cell W-1130-2012-08-08	As per EPP	2012-08-08	2.1 NTU 2.7 NTU	Pass 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		2012-08-09	TP6A-97919-BP Discharge Cell E-0730-2012-08-09 TP6A-97919-BP Discharge Cell W-0730-2012-08-09	As per EPP	2012-08-09	1.6 NTU 2.0 NTU	Pass 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		2012-08-09	TP6A-97919-BP Discharge Cell E-1130-2012-08-09 TP6A-97919-BP Discharge Cell W-1130-2012-08-09	As per EPP	2012-08-09	1.1 NTU 1.3 NTU	Pass 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		2012-08-10	TP6A-97919-BP Discharge Cell E-0730-2012-08-10 TP6A-97919-BP Discharge Cell W-0730-2012-08-10	As per EPP	2012-08-10	1.9 NTU 2.6 NTU	Pass 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	2012-08-10	TP6A-97919-BP Discharge Cell E-1130-2012-08-10 TP6A-97919-BP Discharge Cell W-1130-2012-08-10	As per EPP	2012-08-10	2.3 NTU 2.6 NTU	Pass Pass	Y	TP6A-08-10-2012-East BP TP6A-08-10-2012-West BP	10-Aug-12	0.62 NTU 0.79 NTU	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>

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

- Weekly
- Monthly

From: **2012-07-29** To: **2012-09-01**

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		2012-08-11	TP6A-97919-BP Discharge Cell E-0730-2012-08-11 TP6A-97919-BP Discharge Cell W-0730-2012-08-11	As per EPP	2012-08-11	3.2 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		2012-08-11	TP6A-97919-BP Discharge Cell E-1045-2012-08-11 TP6A-97919-BP Discharge Cell W-1045-2012-08-11	As per EPP	2012-08-11	1.7 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.	
Week 3																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-08-12	TP6A-97919-BP Discharge Cell E-0730-2012-08-12 TP6A-97919-BP Discharge Cell W-0730-2012-08-12	As per EPP	2012-08-12	13.9 NTU 6.9 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		2012-08-12	TP6A-97919-BP Discharge Cell E-1045-2012-08-12 TP6A-97919-BP Discharge Cell W-1045-2012-08-12	As per EPP	2012-08-12	12.2 NTU 13.7 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		2012-08-13	TP6A-97919-BP Discharge Cell E-0730-2012-08-13 TP6A-97919-BP Discharge Cell W-0730-2012-08-13	As per EPP	2012-08-13	8.6 NTU 12.2 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		2012-08-13	TP6A-97919-BP Discharge Cell E-1130-2012-08-13 TP6A-97919-BP Discharge Cell W-1130-2012-08-13	As per EPP	2012-08-13	6.8 NTU 6.6 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		2012-08-14	TP6A-97919-BP Discharge Cell E-0730-2012-08-14 TP6A-97919-BP Discharge Cell W-0730-2012-08-14	As per EPP	2012-08-14	4.1 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-01	Noise Sampling	Noise Monitoring with a dosimeter or equivalent	CBRM noise by-law and NSE criteria	Once Weekly		2012-08-14	TP6A-97919-Site Trailers/Tool Cribs-2012-08-14 TP6A-97919-High Dump Look off-2012-08-14 TP6A-97919-Northeast Site Boundary-2012-08-14	CBRM noise by-law and NSE criteria	2012-08-14	59.2 L _{eq} (dBA) 53.0 L _{eq} (dBA) 54.3 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		2012-08-14	TP6A-97919-BP Discharge Cell E-1130-2012-08-14 TP6A-97919-BP Discharge Cell W-1130-2012-08-14	As per EPP	2012-08-14	4.2 NTU 3.1 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		2012-08-15	TP6A-97919-BP Discharge Cell E-0730-2012-08-15 TP6A-97919-BP Discharge Cell W-0730-2012-08-15	As per EPP	2012-08-15	2.3 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		2012-08-15	TP6A-97919-BP Discharge Cell E-1130-2012-08-15 TP6A-97919-BP Discharge Cell W-1130-2012-08-15	As per EPP	2012-08-15	2.1 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		2012-08-16	TP6A-97919-BP Discharge Cell E-0730-2012-08-16 TP6A-97919-BP Discharge Cell W-0730-2012-08-16	As per EPP	2012-08-16	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	Once Weekly	2012-08-16	TP6A-97919-BP Discharge Cell E-1130-2012-08-16 TP6A-97919-BP Discharge Cell W-1130-2012-08-16	As per EPP	2012-08-16	2.4 NTU 2.5 NTU	Pass Pass	Y	TP6A-08-16-2012-East BP TP6A-08-16-2012-West BP	16-Aug-12	0.41 NTU 0.99 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		2012-08-17	TP6A-97919-BP Discharge Cell E-0730-2012-08-17 TP6A-97919-BP Discharge Cell W-0730-2012-08-17	As per EPP	2012-08-17	2.3 NTU 4.4 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		2012-08-17	TP6A-97919-BP Discharge Cell E-1130-2012-08-17 TP6A-97919-BP Discharge Cell W-1130-2012-08-17	As per EPP	2012-08-17	1.3 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		2012-08-18	TP6A-97919-BP Discharge Cell E-0730-2012-08-18 TP6A-97919-BP Discharge Cell W-0730-2012-08-18	As per EPP	2012-08-18	2.9 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		2012-08-18	TP6A-97919-BP Discharge Cell E-1045-2012-08-18 TP6A-97919-BP Discharge Cell W-1045-2012-08-18	As per EPP	2012-08-18	2.8 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.	
Week 4																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-08-19	TP6A-97919-BP Discharge Cell E-0730-2012-08-19 TP6A-97919-BP Discharge Cell W-0730-2012-08-19	As per EPP	2012-08-19	5.5 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		2012-08-19	TP6A-97919-BP Discharge Cell E-1045-2012-08-19 TP6A-97919-BP Discharge Cell W-1045-2012-08-19	As per EPP	2012-08-19	2.4 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		2012-08-20	TP6A-97919-BP Discharge Cell E-0730-2012-08-20 TP6A-97919-BP Discharge Cell W-0730-2012-08-20	As per EPP	2012-08-20	2.1 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		2012-08-20	TP6A-97919-BP Discharge Cell E-1130-2012-08-20 TP6A-97919-BP Discharge Cell W-1130-2012-08-20	As per EPP	2012-08-20	3.1 NTU 5.0 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		2012-08-21	TP6A-97919-BP Discharge Cell E-0730-2012-08-21 TP6A-97919-BP Discharge Cell W-0730-2012-08-21	As per EPP	2012-08-21	14.4 NTU 14.8 NTU	Pass Pass	Y						Samples were collected in accordance with the EPP. Please refer to the daily EIL for specific testing results.	
ENV-T-01	Noise Sampling	Noise Monitoring with a dosimeter or equivalent	CBRM noise by-law and NSE criteria	Once Weekly		2012-08-21	TP6A-97919-Site Trailers/Tool Cribs-2012-08-21 TP6A-97919-High Dump Look off-2012-08-21 TP6A-97919-Northeast Site Boundary-2012-08-21	CBRM noise by-law and NSE criteria	2012-08-21	60.9 L _{eq} (dBA) 55.9 L _{eq} (dBA) 64.5 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		2012-08-21	TP6A-97919-BP Discharge Cell E-1130-2012-08-21 TP6A-97919-BP Discharge Cell W-1130-2012-08-21	As per EPP	2012-08-21	5.1 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		2012-08-22	TP6A-97919-BP Discharge Cell E-1000-2012-08-22 TP6A-97919-BP Discharge Cell W-1000-2012-08-22	As per EPP	2012-08-22	3.6 NTU 4.2 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		2012-08-22	TP6A-97919-BP Discharge Cell E-1400-2012-08-22 TP6A-97919-BP Discharge Cell W-1400-2012-08-22	As per EPP	2012-08-22	4.1 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		2012-08-23	TP6A-97919-BP Discharge Cell E-1000-2012-08-23 TP6A-97919-BP Discharge Cell W-1000-2012-08-23	As per EPP	2012-08-23	1.9 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		2012-08-23	TP6A-97919-BP Discharge Cell E-1400-2012-08-23 TP6A-97919-BP Discharge Cell W-1400-2012-08-23	As per EPP	2012-08-23	2.0 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.	

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

- Weekly
 Monthly

From: 2012-07-29 To: 2012-09-01

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	Once Weekly	2012-08-24	TP6A-97919-BP Discharge Cell E-1000-2012-08-24 TP6A-97919-BP Discharge Cell W-1000-2012-08-24	As per EPP	2012-08-24	1.6 NTU 2.9 NTU	Pass Pass	Y	TP6A-08-24-2012-East BP TP6A-08-24-2012-West BP	24-Aug-12	0.92 NTU 0.78 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		2012-08-24	TP6A-97919-BP Discharge Cell E-1400-2012-08-24 TP6A-97919-BP Discharge Cell W-1400-2012-08-24	As per EPP	2012-08-24	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		2012-08-25	TP6A-97919-BP Discharge Cell E-0730-2012-08-25 TP6A-97919-BP Discharge Cell W-0730-2012-08-25	As per EPP	2012-08-25	1.2 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		2012-08-25	TP6A-97919-BP Discharge Cell E-1045-2012-08-25 TP6A-97919-BP Discharge Cell W-1045-2012-08-25	As per EPP	2012-08-25	2.0 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.	
Week 5																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-08-26	TP6A-97919-BP Discharge Cell E-0730-2012-08-26 TP6A-97919-BP Discharge Cell W-0730-2012-08-26	As per EPP	2012-08-26	1.6 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		2012-08-26	TP6A-97919-BP Discharge Cell E-1045-2012-08-26 TP6A-97919-BP Discharge Cell W-1045-2012-08-26	As per EPP	2012-08-26	2.8 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		2012-08-27	TP6A-97919-BP Discharge Cell E-1000-2012-08-27 TP6A-97919-BP Discharge Cell W-1000-2012-08-27	As per EPP	2012-08-27	3.9 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		2012-08-27	TP6A-97919-BP Discharge Cell E-1400-2012-08-27 TP6A-97919-BP Discharge Cell W-1400-2012-08-27	As per EPP	2012-08-27	2.5 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		2012-08-28	TP6A-97919-BP Discharge Cell E-1000-2012-08-28 TP6A-97919-BP Discharge Cell W-1000-2012-08-28	As per EPP	2012-08-28	2.5 NTU 2.9 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		2012-08-28	TP6A-97919-BP Discharge Cell E-1400-2012-08-28 TP6A-97919-BP Discharge Cell W-1400-2012-08-28	As per EPP	2012-08-28	2.8 NTU 3.1 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	Once Weekly	2012-08-29	TP6A-97919-BP Discharge Cell E-1000-2012-08-29 TP6A-97919-BP Discharge Cell W-1000-2012-08-29	As per EPP	2012-08-29	2.5 NTU 2.1 NTU	Pass Pass	Y	TP6A-08-29-2012-East BP TP6A-08-29-2012-West BP	28-Aug-12	0.75 NTU 1.01 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-01	Noise Sampling	Noise Monitoring with a dosimeter or equivalent	CBRM noise by-law and NSE criteria	Once Weekly	Once Monthly	2012-08-29	TP6A-97919-Site Trailers/Tool Cribs-2012-08-29 TP6A-97919-High Dump Look off-2012-08-29 TP6A-97919-Northeast Site Boundary-2012-08-29	CBRM noise by-law and NSE criteria	2012-08-29	60.5 L _{eq} (dBA) 56.6 L _{eq} (dBA) 66.5 L _{eq} (dBA)	Pass Pass Fail	Y	TP6A-08-29-2012-0806-1013 TP6A-08-29-2012-1020-1227 TP6A-08-29-2012-1230-1436	29-Aug-12	60.3 L _{eq} (dBA) 56.5 L _{eq} (dBA) 66.8 L _{eq} (dBA)	Pass Pass Fail	Yes	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. Side by side noise monitoring taken with Stantec today. Noise at the Northeast site boundary exceeded due to high winds. 2012/08/29, 1503, JM.	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		2012-08-29	TP6A-97919-BP Discharge Cell E-1400-2012-08-29 TP6A-97919-BP Discharge Cell W-1400-2012-08-29	As per EPP	2012-08-29	2.6 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		2012-08-30	TP6A-97919-BP Discharge Cell E-1000-2012-08-30 TP6A-97919-BP Discharge Cell W-1000-2012-08-30	As per EPP	2012-08-30	2.2 NTU 3.1 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		2012-08-30	TP6A-97919-BP Discharge Cell E-1400-2012-08-30 TP6A-97919-BP Discharge Cell W-1400-2012-08-30	As per EPP	2012-08-30	2.4 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		2012-08-31	TP6A-97919-BP Discharge Cell E-1000-2012-08-31 TP6A-97919-BP Discharge Cell W-1000-2012-08-31	As per EPP	2012-08-31	2.1 NTU 2.9 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		2012-08-31	TP6A-97919-BP Discharge Cell E-1400-2012-08-31 TP6A-97919-BP Discharge Cell W-1400-2012-08-31	As per EPP	2012-08-31	1.5 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		2012-09-01	TP6A-97919-BP Discharge Cell E-0730-2012-09-01 TP6A-97919-BP Discharge Cell W-0730-2012-09-01	As per EPP	2012-09-01	1.1 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		2012-09-01	TP6A-97919-BP Discharge Cell E-1045-2012-09-01 TP6A-97919-BP Discharge Cell W-1045-2012-09-01	As per EPP	2012-09-01	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.	



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Stantec

October 15, 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) August 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) August 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

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