



Stantec Consulting Ltd
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Stantec

August 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) June 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 June 1 and June 30, 2012:

- Project Item PM-01: Five daily field reports.
- Project Item PM-02: One monthly QA report (June 2012) completed by Stantec in the month of August 2012.
- Project Item PM-04: One site meeting was attended on June 25, 2012.
- Project Item PM-05: Other meetings and frequent opinions were provided in the month of June 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 April 2012 TP6A QC/QA testing summary tables.
- Project Item QCP-02: Submittal reviews (review of contractor's June 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.

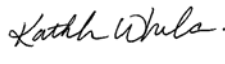

Sincerely,

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:	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



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

Date:	June 8, 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:	Clear, 13° C N @ 19km		
Area Tested/Inspected:	TP6A – Battery Point Discharge Halo		
Inspection / Testing Summary			
Met contractors at Battery Point at 1135 and boarded the boat immediately. Sampled east location first, then west location. No issues noted. Contractor activities for the day consisted of general pump maintenance. Testing was done onsite immediately following sampling.			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	459 9998 511 3331	Battery Point East	1.02
2	460 0010 511 3309	Battery Point West	0.98
<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.
	June 8, 2012		June 9, 2012

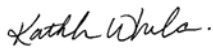

**STPA PROJECT ELEMENT TP6A: FLOW DIVERSION
IQAC SITE TESTING SUMMARY**

Date:	June 15, 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, 12° C NE @ 20km		
Area Tested/Inspected:	TP6A – Discharge Halo, Sydney Harbour		
Inspection / Testing Summary			
Met contractor at trailers at 1120. Proceeded to battery point to sample, sampled East then West. Testing was preformed upon return to site trailer. Contractor activities for the day included general pump and pipe maintenance.			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0022 511 3326	Battery Point East	0.55
2	460 0029 511 3311	Battery Point West	0.44
<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 Tunnickliff, B.Sc., B.Eng.
	June 15, 2012		June 16, 2012

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

Date:	June 22, 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:	Overcast, 13° C ESE @ 4 km		
Area Tested/Inspected:	TP6A – Sydney Harbor beyond Halo		
Inspection / Testing Summary			
Met contractor onsite at 1130. Proceeded to Battery Point sampling locations. No issues noted. Contractor activities for the day included general pump and pipe maintenance.			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0000 511 3339	Battery Point East	0.68
2	460 0020 511 3311	Battery Point West	0.73
<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.
	June 22, 2012		June 23, 2012

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

Date:	June 29, 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, 15° C SW @ 19 km		
Area Tested/Inspected:	TP6A – Sydney Harbor/Discharge Halo		
Inspection / Testing Summary			
<p>Met Joel MacLeod at site trailers at 1120 and proceeded to Battery Point. No sampling from the boat due to the wind. Samples taken from the sampling deck on the West side of the Halo. Testing performed on return to site trailer. Off site by 1220.</p>			
Sample #	GPS Co-ordinates (NAD 83 – Northing/Easting)	General Site Description	Sample Results (NTU)
1	460 0095 511 3312	Battery Point East	2.24
2	460 0095 511 3313	Battery Point West	2.01
<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):	 /Kathleen Whelan, B.Tech. (Env)	IQAC Management Review (Sign/Print/Date):	 /Jamie Tunnicliff, B.Sc., B.Eng.
	June 29, 2012		June 30, 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.

Monthly Noise QA Testing Summary Table

Contractor:	MBJV	Client:	STPA	Form Number:	TP6A Noise June 2012
Element:	TP6A	Oversight:	AECOM/CBCL	Project:	Remediation of the Tar Ponds and Coke Ovens Sites
Month:	June 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-Jun-12	<65 dBA	TP6A-06-28-2012-0808-1008	460 1220 511 2850	61.5 dBA	Pass	Y	Sample location is at fenceline near contractor trailers.
EPP	ENV-T-01	Noise	CBRM Noise By-Law & NSE Criteria	once per month	28-Jun-12	<65 dBA	TP6A-06-28-2012-1013-1213	460 0871 511 3140	64.4 dBA	Pass	Y	Sample location is at top of High Dump at Look off.
EPP	ENV-T-01	Noise	CBRM Noise By-Law & NSE Criteria	once per month	28-Jun-12	<65 dBA	TP6A-06-28-2012-1226-1432	460 0999 511 2698	62.3 dBA	Pass	Y	Sample location is at West Side fenceline of Phase II.

Activities onsite at the time of the sampling events include



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August 13, 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 June 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 June 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 2	<u>Environmental Inspection Logs</u> 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.
Level 3	<u>Environmental Inspection Logs</u> The June 29 (1130) EIL should state the surface water sampling (turbidity monitoring) was completed side by side with the IQAC, Stantec.

August 13, 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 June 2012 Quality Control (QC) Report**

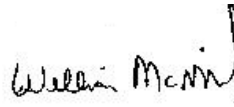
This report covers the quality control aspects for the environmental inspection/testing portions of the project. We trust this information meets your present needs. If you have any questions, or if we can be of further assistance, please do not hesitate to contact us at your convenience.

Sincerely,

STANTEC CONSULTING LTD



Jamie Tunncliff, B.Sc., B.Eng (EIT)
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August 22, 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 June 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 June 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.

August 22, 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 June 2012 Quality Control (QC) Report**

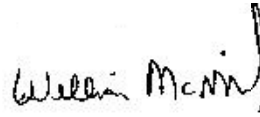
We trust this information meets your present needs. If you have any questions, or if we can be of further assistance, please do not hesitate to contact us at your convenience.

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: 27-May-12 To: 30-Jun-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: 2012-05-27 To: 2012-06-30

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		2012-05-27	TP6A-97919-BP Discharge Cell E-0730-2012-05-27 TP6A-97919-BP Discharge Cell W-0730-2012-05-27	As per EPP	2012-05-27	1.6 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		2012-05-27	TP6A-97919-BP Discharge Cell E-1015-2012-05-27 TP6A-97919-BP Discharge Cell W-1015-2012-05-27	As per EPP	2012-05-27	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		2012-05-28	TP6A-97919-BP Discharge Cell E-0730-2012-05-28 TP6A-97919-BP Discharge Cell W-0730-2012-05-28	As per EPP	2012-05-28	1.6 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.	
ENV-T-01	Noise Sampling	Noise Monitoring with a dosimeter or equivalent	CBRM noise by-law and NSE criteria	Once Weekly	Monthly	2012-05-28	TP6A-97919-Site Trailers/Tool Cribs-2012-05-28 TP6A-97919-High Dump Look off-2012-05-28 TP6A-97919-Ferry St. West Fence-2012-05-28	CBRM noise by-law and NSE criteria	2012-05-28	66.9 L _{eq} (dBA) 55.9 L _{eq} (dBA) 53.4 L _{eq} (dBA)	Fail Pass Pass	Y	TP6A-05-28-2012-0800-1000 TP6A-05-28-2012-1007-1207 TP6A-05-28-2012-1219-1421	28-May-12	67.9 L _{eq} (dBA) 55.7 L _{eq} (dBA) 56.0 L _{eq} (dBA)	Fail Pass Pass	Yes	<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> <p>Noise exceeded at the Site trailers / tool cribs location this morning due to heavy traffic onsite. 2012/05/28, 1445, JM.</p>	<p>Samples were collected in accordance with the EPP. Please refer to the weekly IQAC Site Testing Summary for further details. Support zone traffic with heavy presence of multiple contractor accessing clean roads</p>
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-05-28	TP6A-97919-BP Discharge Cell E-1130-2012-05-28 TP6A-97919-BP Discharge Cell W-1130-2012-05-28	As per EPP	2012-05-28	1.2 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		2012-05-29	TP6A-97919-BP Discharge Cell E-0730-2012-05-29 TP6A-97919-BP Discharge Cell W-0730-2012-05-29	As per EPP	2012-05-29	1.1 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		2012-05-29	TP6A-97919-BP Discharge Cell E-1130-2012-05-29 TP6A-97919-BP Discharge Cell W-1130-2012-05-29	As per EPP	2012-05-29	1.8 NTU 1.1 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		2012-05-30	TP6A-97919-BP Discharge Cell E-0730-2012-05-30 TP6A-97919-BP Discharge Cell W-0730-2012-05-30	As per EPP	2012-05-30	1.1 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	Weekly	2012-05-30	TP6A-97919-BP Discharge Cell E-1130-2012-05-30 TP6A-97919-BP Discharge Cell W-1130-2012-05-30	As per EPP	2012-05-30	1.2 NTU 2.1 NTU	Pass Pass	Y	TP6A-05-30-2012-East BP TP6A-05-30-2012-West BP	30-May-12	0.30 NTU 0.42 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		2012-05-31	TP6A-97919-BP Discharge Cell E-0730-2012-05-31 TP6A-97919-BP Discharge Cell W-0730-2012-05-31	As per EPP	2012-05-31	3.3 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		2012-05-31	TP6A-97919-BP Discharge Cell E-1130-2012-05-31 TP6A-97919-BP Discharge Cell W-1130-2012-05-31	As per EPP	2012-05-31	1.7 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		2012-06-01	TP6A-97919-BP Discharge Cell E-0730-2012-06-01 TP6A-97919-BP Discharge Cell W-0730-2012-06-01	As per EPP	2012-06-01	3.8 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		2012-06-01	TP6A-97919-BP Discharge Cell E-1130-2012-06-01 TP6A-97919-BP Discharge Cell W-1130-2012-06-01	As per EPP	2012-06-01	1.0 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		2012-06-02	TP6A-97919-BP Discharge Cell E-0730-2012-06-02 TP6A-97919-BP Discharge Cell W-0730-2012-06-02	As per EPP	2012-06-02	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		2012-06-02	TP6A-97919-BP Discharge Cell E-1015-2012-06-02 TP6A-97919-BP Discharge Cell W-1015-2012-06-02	As per EPP	2012-06-02	1.9 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 2																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-03	TP6A-97919-BP Discharge Cell E-0730-2012-06-03 TP6A-97919-BP Discharge Cell W-0730-2012-06-03	As per EPP	2012-06-03	1.3 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		2012-06-03	TP6A-97919-BP Discharge Cell E-1015-2012-06-03 TP6A-97919-BP Discharge Cell W-1015-2012-06-03	As per EPP	2012-06-03	2.1 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		2012-06-04	TP6A-97919-BP Discharge Cell E-0730-2012-06-04 TP6A-97919-BP Discharge Cell W-0730-2012-06-04	As per EPP	2012-06-04	1.6 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.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-04	TP6A-97919-BP Discharge Cell E-1130-2012-06-04 TP6A-97919-BP Discharge Cell W-1130-2012-06-04	As per EPP	2012-06-04	1.5 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		2012-06-05	TP6A-97919-BP Discharge Cell E-0730-2012-06-05 TP6A-97919-BP Discharge Cell W-0730-2012-06-05	As per EPP	2012-06-05	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		2012-06-05	TP6A-97919-BP Discharge Cell E-1130-2012-06-05 TP6A-97919-BP Discharge Cell W-1130-2012-06-05	As per EPP	2012-06-05	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		2012-06-06	TP6A-97919-BP Discharge Cell E-0730-2012-06-06 TP6A-97919-BP Discharge Cell W-0730-2012-06-06	As per EPP	2012-06-06	2.3 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		2012-06-06	TP6A-97919-BP Discharge Cell E-1130-2012-06-06 TP6A-97919-BP Discharge Cell W-1130-2012-06-06	As per EPP	2012-06-06	3.2 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		2012-06-07	TP6A-97919-BP Discharge Cell E-0730-2012-06-07 TP6A-97919-BP Discharge Cell W-0730-2012-06-07	As per EPP	2012-06-07	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-01	Noise Sampling	Noise Monitoring with a dosimeter or equivalent	CBRM noise by-law and NSE criteria	Once Weekly		2012-06-07	TP6A-97919-Site Trailers/Tool Cribs-2012-06-07 TP6A-97919-High Dump Look off-2012-06-07 TP6A-97919-Ferry St. West Fence-2012-06-07	CBRM noise by-law and NSE criteria	2012-06-07	61.4 L _{eq} (dBA) 56.6 L _{eq} (dBA) 57.7 L _{eq} (dBA)	Pass Pass Pass	Y						<p>Samples collected as per EPP. A minimum of 2hr sample duration in three locations along the perimeter. Please refer to the daily EIL for specific testing results.</p>	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-07	TP6A-97919-BP Discharge Cell E-1130-2012-06-07 TP6A-97919-BP Discharge Cell W-1130-2012-06-07	As per EPP	2012-06-07	1.9 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		2012-06-08	TP6A-97919-BP Discharge Cell E-0730-2012-06-08 TP6A-97919-BP Discharge Cell W-0730-2012-06-08	As per EPP	2012-06-08	1.7 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.	

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

- Weekly
 Monthly

From: 2012-05-27 To: 2012-06-30

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	Weekly	2012-06-08	TP6A-97919-BP Discharge Cell E-1130-2012-06-08 TP6A-97919-BP Discharge Cell W-1130-2012-06-08	As per EPP	2012-06-08	2.5 NTU 1.4 NTU	Pass Pass	Y	TP6A-06-08-2012-East BP TP6A-06-08-2012-West BP	8-Jun-12	1.02 NTU 0.98 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		2012-06-09	TP6A-97919-BP Discharge Cell E-0730-2012-06-09 TP6A-97919-BP Discharge Cell W-0730-2012-06-09	As per EPP	2012-06-09	1.8 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		2012-06-09	TP6A-97919-BP Discharge Cell E-1015-2012-06-09 TP6A-97919-BP Discharge Cell W-1015-2012-06-09	As per EPP	2012-06-09	1.7 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 3																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-10	TP6A-97919-BP Discharge Cell E-0730-2012-06-10 TP6A-97919-BP Discharge Cell W-0730-2012-06-10	As per EPP	2012-06-10	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-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-10	TP6A-97919-BP Discharge Cell E-1015-2012-06-10 TP6A-97919-BP Discharge Cell W-1015-2012-06-10	As per EPP	2012-06-10	1.3 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.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-11	TP6A-97919-BP Discharge Cell E-0730-2012-06-11 TP6A-97919-BP Discharge Cell W-0730-2012-06-11	As per EPP	2012-06-11	2.2 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		2012-06-11	TP6A-97919-BP Discharge Cell E-1130-2012-06-11 TP6A-97919-BP Discharge Cell W-1130-2012-06-11	As per EPP	2012-06-11	1.6NTU 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		2012-06-12	TP6A-97919-BP Discharge Cell E-0730-2012-06-12 TP6A-97919-BP Discharge Cell W-0730-2012-06-12	As per EPP	2012-06-12	1.4 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-01	Noise Sampling	Noise Monitoring with a dosimeter or equivalent	CBRM noise by-law and NSE criteria	Once Weekly		2012-06-12	TP6A-97919-Site Trailers/Tool Cribs-2012-06-12 TP6A-97919-High Dump Look off-2012-06-12 TP6A-97919-Ferry St. West Fence-2012-06-12	CBRM noise by-law and NSE criteria	2012-06-12	62.5 L _{eq} (dBA) 58.4 L _{eq} (dBA) 67.5 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. West fence due to heavy truck traffic on the West road hauling material for other contractors. 2012/06/12, 1432, JM.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-12	TP6A-97919-BP Discharge Cell E-1130-2012-06-12 TP6A-97919-BP Discharge Cell W-1130-2012-06-12	As per EPP	2012-06-12	1.4 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-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-13	TP6A-97919-BP Discharge Cell E-0730-2012-06-13 TP6A-97919-BP Discharge Cell W-0730-2012-06-13	As per EPP	2012-06-13	1.3 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		2012-06-13	TP6A-97919-BP Discharge Cell E-1130-2012-06-13 TP6A-97919-BP Discharge Cell W-1130-2012-06-13	As per EPP	2012-06-13	2.2 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		2012-06-14	TP6A-97919-BP Discharge Cell E-0730-2012-06-14 TP6A-97919-BP Discharge Cell W-0730-2012-06-14	As per EPP	2012-06-14	1.5 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		2012-06-14	TP6A-97919-BP Discharge Cell E-1130-2012-06-14 TP6A-97919-BP Discharge Cell W-1130-2012-06-14	As per EPP	2012-06-14	1.8 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		2012-06-15	TP6A-97919-BP Discharge Cell E-0730-2012-06-15 TP6A-97919-BP Discharge Cell W-0730-2012-06-15	As per EPP	2012-06-15	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	Weekly	2012-06-15	TP6A-97919-BP Discharge Cell E-1130-2012-06-15 TP6A-97919-BP Discharge Cell W-1130-2012-06-15	As per EPP	2012-06-15	1.3 NTU 1.6 NTU	Pass Pass	Y	TP6A-06-15-2012-East BP TP6A-06-15-2012-West BP	15-Jun-12	0.55 NTU 0.44 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		2012-06-16	TP6A-97919-BP Discharge Cell E-0730-2012-06-16 TP6A-97919-BP Discharge Cell W-0730-2012-06-16	As per EPP	2012-06-16	1.3 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.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-16	TP6A-97919-BP Discharge Cell E-1015-2012-06-16 TP6A-97919-BP Discharge Cell W-1015-2012-06-16	As per EPP	2012-06-16	1.3 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.	
Week 4																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-17	TP6A-97919-BP Discharge Cell E-0730-2012-06-17 TP6A-97919-BP Discharge Cell W-0730-2012-06-17	As per EPP	2012-06-17	1.2 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		2012-06-17	TP6A-97919-BP Discharge Cell E-1015-2012-06-17 TP6A-97919-BP Discharge Cell W-1015-2012-06-17	As per EPP	2012-06-17	1.5 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.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-18	TP6A-97919-BP Discharge Cell E-0730-2012-06-18 TP6A-97919-BP Discharge Cell W-0730-2012-06-18	As per EPP	2012-06-18	1.8 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		2012-06-18	TP6A-97919-BP Discharge Cell E-1130-2012-06-18 TP6A-97919-BP Discharge Cell W-1130-2012-06-18	As per EPP	2012-06-18	1.5 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		2012-06-19	TP6A-97919-BP Discharge Cell E-0730-2012-06-19 TP6A-97919-BP Discharge Cell W-0730-2012-06-19	As per EPP	2012-06-19	2.0 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		2012-06-19	TP6A-97919-BP Discharge Cell E-1130-2012-06-19 TP6A-97919-BP Discharge Cell W-1130-2012-06-19	As per EPP	2012-06-19	1.4 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		2012-06-20	TP6A-97919-BP Discharge Cell E-0730-2012-06-20 TP6A-97919-BP Discharge Cell W-0730-2012-06-20	As per EPP	2012-06-20	1.8 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		2012-06-20	TP6A-97919-BP Discharge Cell E-1130-2012-06-20 TP6A-97919-BP Discharge Cell W-1130-2012-06-20	As per EPP	2012-06-20	2.2 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		2012-06-21	TP6A-97919-BP Discharge Cell E-0730-2012-06-21 TP6A-97919-BP Discharge Cell W-0730-2012-06-21	As per EPP	2012-06-21	1.4 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.	

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

- Weekly
 Monthly

From: 2012-05-27 To: 2012-06-30

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-01	Noise Sampling	Noise Monitoring with a dosimeter or equivalent	CBRM noise by-law and NSE criteria	Once Weekly		2012-06-21	TP6A-97919-Site Trailers/Tool Cribs-2012-06-21 TP6A-97919-High Dump Look off-2012-06-21 TP6A-97919-Ferry St. West Fence-2012-06-21	CBRM noise by-law and NSE criteria	2012-06-21	57.9 L _{eq} (dBA) 52.8 L _{eq} (dBA) 68.9 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. West fence due to a large amount of traffic and heavy machinery working on the Ferry St. bridge. 2012/06/21, 1442, JM.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-21	TP6A-97919-BP Discharge Cell E-1130-2012-06-21 TP6A-97919-BP Discharge Cell W-1130-2012-06-21	As per EPP	2012-06-21	1.7 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		2012-06-22	TP6A-97919-BP Discharge Cell E-0730-2012-06-22 TP6A-97919-BP Discharge Cell W-0730-2012-06-22	As per EPP	2012-06-22	1.7 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	Weekly	2012-06-22	TP6A-97919-BP Discharge Cell E-1130-2012-06-22 TP6A-97919-BP Discharge Cell W-1130-2012-06-22	As per EPP	2012-06-22	1.0 NTU 1.1 NTU	Pass Pass	Y	TP6A-06-22-2012-East BP TP6A-06-22-2012-West BP	22-Jun-12	0.68 NTU 0.73 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		2012-06-23	TP6A-97919-BP Discharge Cell E-0730-2012-06-23 TP6A-97919-BP Discharge Cell W-0730-2012-06-23	As per EPP	2012-06-23	1.4 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		2012-06-23	TP6A-97919-BP Discharge Cell E-1015-2012-06-23 TP6A-97919-BP Discharge Cell W-1015-2012-06-23	As per EPP	2012-06-23	1.8 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.	
Week 5																			
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-24	TP6A-97919-BP Discharge Cell E-0730-2012-06-24 TP6A-97919-BP Discharge Cell W-0730-2012-06-24	As per EPP	2012-06-24	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.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-24	TP6A-97919-BP Discharge Cell E-1015-2012-06-24 TP6A-97919-BP Discharge Cell W-1015-2012-06-24	As per EPP	2012-06-24	1.8 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		2012-06-25	TP6A-97919-BP Discharge Cell E-0730-2012-06-25 TP6A-97919-BP Discharge Cell W-0730-2012-06-25	As per EPP	2012-06-25	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		2012-06-25	TP6A-97919-BP Discharge Cell E-1130-2012-06-25 TP6A-97919-BP Discharge Cell W-1130-2012-06-25	As per EPP	2012-06-25	1.7 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		2012-06-26	TP6A-97919-BP Discharge Cell E-0730-2012-06-26 TP6A-97919-BP Discharge Cell W-0730-2012-06-26	As per EPP	2012-06-26	2.5 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		2012-06-26	TP6A-97919-BP Discharge Cell E-1130-2012-06-26 TP6A-97919-BP Discharge Cell W-1130-2012-06-26	As per EPP	2012-06-26	2.5 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		2012-06-27	TP6A-97919-BP Discharge Cell E-0730-2012-06-27 TP6A-97919-BP Discharge Cell W-0730-2012-06-27	As per EPP	2012-06-27	9.2 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. Turbidity was visually high this morning in the North Channel due to the rain event overnight. 2012/06/27, 0829, JM.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-27	TP6A-97919-BP Discharge Cell E-1130-2012-06-27 TP6A-97919-BP Discharge Cell W-1130-2012-06-27 TP6A-97919-South of Fish Nets-1100-2012-06-27	As per EPP	2012-06-27	5.4 NTU 32.3 NTU 122 NTU	Pass Pass Pass	Y						Samples were collected in accordance with the EPP.Please refer to the daily EIL for specific testing results. Turbidity exceeded at the Battery Point halos. Samples taken upstream show the turbidity levels to be acceptable. 2012/06/27, 1203, TB.	
ENV-T-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-28	TP6A-97919-BP Discharge Cell E-0730-2012-06-28 TP6A-97919-BP Discharge Cell W-0730-2012-06-28	As per EPP	2012-06-28	13.9 NTU 5.9 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		2012-06-28	TP6A-97919-BP Discharge Cell E-1130-2012-06-28 TP6A-97919-BP Discharge Cell W-1130-2012-06-28	As per EPP	2012-06-28	9.0 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-01	Noise Sampling	Noise Monitoring with a dosimeter or equivalent	CBRM noise by-law and NSE criteria	Once Weekly	Monthly	2012-06-28	TP6A-97919-Site Trailers/Tool Cribs-2012-06-28 TP6A-97919-High Dump Look off-2012-06-28 TP6A-97919-Ferry St. West Fence-2012-06-28	CBRM noise by-law and NSE criteria	2012-06-28	61.2 L _{eq} (dBA) 62.5 L _{eq} (dBA) 64.4 L _{eq} (dBA)	Pass Pass Pass	Y	TP6A-06-28-2012-0808-1008 TP6A-06-28-2012-1013-1213 TP6A-06-28-2012-1226-1432	28-Jun-12	61.5 L _{eq} (dBA) 64.4 L _{eq} (dBA) 62.3L _{eq} (dBA)	Pass Pass Pass	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.	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		2012-06-29	TP6A-97919-BP Discharge Cell E-0730-2012-06-29 TP6A-97919-BP Discharge Cell W-0730-2012-06-29	As per EPP	2012-06-29	6.2 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	Weekly	2012-06-29	TP6A-97919-BP Discharge Cell E-1130-2012-06-29 TP6A-97919-BP Discharge Cell W-1130-2012-06-29	As per EPP	2012-06-29	2.8 NTU 3.7 NTU	Pass Pass	Y	TP6A-06-29-2012-East BP TP6A-06-29-2012-West BP	29-Jun-12	2.24 NTU 2.01 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-02	Surface Water Turbidity Sampling	Turbidity Sampling with portable turbidity meter	As per EPP	Every 4 Hours		2012-06-30	TP6A-97919-BP Discharge Cell E-0730-2012-06-30 TP6A-97919-BP Discharge Cell W-0730-2012-06-30	As per EPP	2012-06-30	5.2 NTU 5.1 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		2012-06-30	TP6A-97919-BP Discharge Cell E-1045-2012-06-30 TP6A-97919-BP Discharge Cell W-1045-2012-06-30	As per EPP	2012-06-30	2.3 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.	



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August 22, 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) June 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) June 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,

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