

Monthly Project Environment and Sustainability Report

Reporting Period	Month: February Year: 2016			
Project Description (Contract Number)	NTHD-1284 Townsville Ring Road Section 4			
Environmental and Cultural Heritage Incidents	Type (Admin or Harm)	Level (1, 2, 3 or 4)	Description and Actions	Under investigation by regulatory agency?
	Harm		Primer seal works completed on Zone 7 on Monday afternoon - North bound lanes. Rain cell pass through just as works were completed, washing off a small amount of primer onto embankment (photos taken, reported as a Class 3). Upon inspection the next morning, more primer had washed off due to further rain, running into swales and through pavement drains into natural drains. No primer lost off-site. Spill reported to EHP on Tuesday 23/02/16. EHP visited site Thursday 25/02/16. Clean up works completed by Transpacific/Cleanaway.	Yes
	Harm	2a	Hydraulic hose on ACH Truck (Rego: 783SBK) has rubbed through diesel fuel tank causing approx. 3L of diesel to spill onto embankment material in Zone 7	No
	- Spill was reported to SWC Supervisor by Driver in a timely fashion.			
Key Performance Indicators (report exceptions below)	- All contractor staff shall have received general environmental and heritage induction within the past two years.		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	- An Environmental Representative (ER) is assigned to the project and actively supported in the role.		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	- Number of days ER was present on site this month?		19 days	
	- Fortnightly environmental inspection checklists have been completed and retained.		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	- A monthly erosion and sediment control plan has been completed for the period.		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	- All necessary licenses, permits and approvals have been obtained, current and conditions adhered to?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

	<ul style="list-style-type: none"> - Auditable document control and quality systems are in place and are being well maintained. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - Environmental incidents, non - conformances are being actively identified, reported and corrected. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - Contractual, legal and quality plan compliance is being achieved. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 															
Issues and Exceptions (issues/ exceptions to KPIs- where answer is <input checked="" type="checkbox"/> No)	SWC are using iForm Environmental Inspection Checklists as per approved CEMP Eighth round of Dust Deposition Monitoring completed this month. Nil (0) x exceedances reported. <table border="1" style="width: 100%;"> <tr> <td style="width: 70%;"> Has the Principal conducted an Environmental Audit this month? Number of resulting Non-Conformances: </td> <td style="width: 30%;"> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 1 – Insufficient erosion and sediment controls in place and maintained throughout site </td> </tr> </table>	Has the Principal conducted an Environmental Audit this month? Number of resulting Non-Conformances:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 1 – Insufficient erosion and sediment controls in place and maintained throughout site													
Has the Principal conducted an Environmental Audit this month? Number of resulting Non-Conformances:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 1 – Insufficient erosion and sediment controls in place and maintained throughout site															
Good news stories	- Nil															
Nature Conservation Report (report issues below)	Has clearing of least concern vegetation (where remnant) occurred? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Dates: <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th style="width: 33%;">Area (ha/m²)</th> <th style="width: 15%;">GPS</th> <th style="width: 52%;">Restoration and Offset Strategies</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> Koala Habitat Destruction (Koala Conservation Areas only): N/A Destruction/Disturbance of Animal Breeding Places: Fauna spotter/catcher onsite for clearing of all identified “habitat trees”. Details of licensed wildlife career (Fauna Spotter-Catcher) used: N/A	Area (ha/m ²)	GPS	Restoration and Offset Strategies												
Area (ha/m ²)	GPS	Restoration and Offset Strategies														
Matters of Interest <ul style="list-style-type: none"> - Problems - Arising needs 	<ul style="list-style-type: none"> • EHP visit 25/03/16 in response to primer seal wash off incident • TMR Audit – non-conformance related to management of erosion and sediment control installation and maintenance 															

Completed By:	Name: Stephen Mount	Date: 03/03/2016	Time Req'd:	60 mins
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PM Approval:	Name: Campbell McCall	Date: 03/03/2016	Time Req'd:	10 mins
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CERTIFICATE OF ANALYSIS

Work Order	: EB1603758	Page	: 1 of 4
Client	: SEYMOUR WHYTE CONSTRUCTIONS	Laboratory	: Environmental Division Brisbane
Contact	: CAMPBELL MCCALL	Contact	: Joy Morgan
Address	: Ring Road Expansion Cnr Mount Low Parkway & Bruce Highway Townsville QLD 4818	Address	: 2 Byth Street Stafford QLD Australia 4053
E-mail	: ----	E-mail	: joy.morgan@alsglobal.com
Telephone	: ----	Telephone	: + 61 7 4796 0605
Facsimile	: ----	Facsimile	: +61-7-3243 7218
Project	: 02-15-07 (Townsville Ring Road Section 4)	QC Level	: NEPM 2013 B3 & ALS QC Standard
Order number	: ----	Date Samples Received	: 12-Feb-2016 19:45
C-O-C number	: ----	Date Analysis Commenced	: 16-Feb-2016
Sampler	: STEPHEN MOUNT	Issue Date	: 19-Feb-2016 14:51
Site	: ----		
Quote number	: ----	No. of samples received	: 6
		No. of samples analysed	: 6

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results



NATA Accredited Laboratory 825

Accredited for compliance with
ISO/IEC 17025.

Signatories

This document has been electronically signed by the authorized signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Kim McCabe	Senior Inorganic Chemist	Brisbane Inorganics, Stafford, QLD



General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
∅ = ALS is not NATA accredited for these tests.

- Analysis as per AS 3580.10.1-2003. Samples passed through 1mm sieve prior to analysis. Period Sampled: Samples 1-5 05/01/2016-08/02/2016.



Analytical Results

Sub-Matrix: DUST (Matrix: AIR)			Client sample ID	1 (Kalynda(1))	2 (Kalynda (2))	3 (DAM 1)	4 (STONY CREEK)	5 (ALFORD ST)
Client sampling date / time			[08-Feb-2016]	[08-Feb-2016]	[08-Feb-2016]	[08-Feb-2016]	[08-Feb-2016]	[08-Feb-2016]
Compound	CAS Number	LOR	Unit	EB1603758-001	EB1603758-002	EB1603758-003	EB1603758-004	EB1603758-005
				Result	Result	Result	Result	Result
EA120: Ash Content								
Ash Content	----	0.1	g/m ² .month	0.9	0.5	0.6	1.0	0.5
Ash Content (mg)	----	1	mg	19	11	13	20	11
EA125: Combustible Matter								
Combustible Matter	----	0.1	g/m ² .month	<0.1	0.5	0.7	0.1	0.1
Combustible Matter (mg)	----	1	mg	<1	9	14	2	2
EA139: Total Soluble Matter								
Total Soluble Matter	----	0.1	g/m ² .month	1.3	2.5	3.5	1.4	2.5
Total Soluble Matter (mg)	----	1	mg	27	49	70	28	49
EA141: Total Insoluble Matter								
Total Insoluble Matter	----	0.1	g/m ² .month	0.9	1.0	1.3	1.1	0.6
Total Insoluble Matter (mg)	----	1	mg	19	20	27	22	13
EA142: Total Solids								
Total Solids	----	0.1	g/m ² .month	2.2	3.5	4.8	2.5	3.1
Total Solids (mg)	----	1	mg	46	69	97	50	62



Analytical Results

Sub-Matrix: DUST (Matrix: AIR)			Client sample ID	6 (CARAVAN PARK)	----	----	----	----
Client sampling date / time			[08-Feb-2016]	----	----	----	----	
Compound	CAS Number	LOR	Unit	EB1603758-006	-----	-----	-----	-----
				Result	Result	Result	Result	Result
EA120: Ash Content								
Ash Content	----	0.1	g/m ² .month	1.5	----	----	----	----
Ash Content (mg)	----	1	mg	30	----	----	----	----
EA125: Combustible Matter								
Combustible Matter	----	0.1	g/m ² .month	0.1	----	----	----	----
Combustible Matter (mg)	----	1	mg	2	----	----	----	----
EA139: Total Soluble Matter								
Total Soluble Matter	----	0.1	g/m ² .month	1.5	----	----	----	----
Total Soluble Matter (mg)	----	1	mg	30	----	----	----	----
EA141: Total Insoluble Matter								
Total Insoluble Matter	----	0.1	g/m ² .month	1.6	----	----	----	----
Total Insoluble Matter (mg)	----	1	mg	32	----	----	----	----
EA142: Total Solids								
Total Solids	----	0.1	g/m ² .month	3.1	----	----	----	----
Total Solids (mg)	----	1	mg	62	----	----	----	----