Environmental Division

QUALITY CONTROL REPORT

Work Order	: **ES0712913**	Page	: 1 of 5
Client	: **COFFEY GEOTECHNICS**	Laboratory	: Environmental Division Sydney
Contact	: MR STEVE MORTON	Contact	: Vicotor Kedicioglu
Address	: UNIT 1/4 DOUGLAS AVENUE TUNCURRY NSW AUSTRALIA 2428	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
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Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: TUNC01736AA	QC Level	: NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Site	: ----		
C-O-C number	: 14513	Date Samples Received	: 18-SEP-2007
Sampler	: P.EDMED	Issue Date	: 28-SEP-2007
Order number	: ----	No. of samples received	: 8
Quote number	: EN/007/07	No. of samples analysed	: 8

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

NATA Accredited Laboratory 825

This document is issued in accordance with NATA accreditation requirements.

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.

Signatories	*Position*	*Accreditation Category*
		Inorganics

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 preformed, 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 insuffient 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.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = Chemistry Abstract Services number
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR:- No Limit; Result between 10 and 20 times LOR:- 0% - 50%; Result > 20 times LOR:- 0% - 20%.

Sub-Matrix: **SOIL**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
EA029-A: pH Measurements (QC Lot: 501548)									
ES0712913-001	BH17 2.5-3.0M	EA029: pH KCl (23A)	----	0.1	pH Unit	4.7	4.7	0.0	0% - 20%
		EA029: pH OX (23B)	----	0.1	pH Unit	2.1	2.1	0.0	0% - 20%
EA029-B: Acidity Trail (QC Lot: 501548)									
ES0712913-001	BH17 2.5-3.0M	EA029: sulfidic - Titratable Actual Acidity (s-23F)	----	0.02	% pyrite S	0.04	0.04	0.0	No Limit
		EA029: sulfidic - Titratable Peroxide Acidity (s-23G)	----	0.02	% pyrite S	1.85	1.84	0.6	0% - 20%
		EA029: sulfidic - Titratable Sulfidic Acidity (s-23H)	----	0.02	% pyrite S	1.81	1.80	0.8	0% - 20%
		EA029: Titratable Actual Acidity (23F)	----	2	mole H+ / t	26	29	9.3	0% - 50%
		EA029: Titratable Peroxide Acidity (23G)	----	2	mole H+ / t	1150	1150	0.6	0% - 20%
		EA029: Titratable Sulfidic Acidity (23H)	----	2	mole H+ / t	1130	1120	0.8	0% - 20%
EA029-C: Sulfur Trail (QC Lot: 501548)									
ES0712913-001	BH17 2.5-3.0M	EA029: KCl Extractable Sulfur (23Ce)	----	0.02	% S	0.17	0.16	0.0	No Limit
		EA029: Peroxide Sulfur (23De)	----	0.02	% S	2.16	2.22	2.6	0% - 20%
		EA029: Peroxide Oxidisable Sulfur (23E)	----	0.02	% S	2.00	2.06	3.2	0% - 20%
		EA029: acidity - Peroxide Oxidisable Sulfur (a-23E)	----	10	mole H+ / t	1240	1290	3.2	0% - 20%
EA029-D: Calcium Values (QC Lot: 501548)									
ES0712913-001	BH17 2.5-3.0M	EA029: KCl Extractable Calcium (23Vh)	----	0.02	% Ca	0.10	0.10	0.0	No Limit
		EA029: Peroxide Calcium (23Wh)	----	0.02	% Ca	0.12	0.12	0.0	No Limit
		EA029: Acid Reacted Calcium (23X)	----	0.02	% Ca	0.02	0.02	0.0	No Limit
		EA029: sulfidic - Acid Reacted Calcium (s-23X)	----	0.02	% S	<0.02	<0.02	0.0	----
		EA029: acidity - Acid Reacted Calcium (a-23X)	----	10	mole H+ / t	10	11	0.0	No Limit
EA029-E: Magnesium Values (QC Lot: 501548)									
ES0712913-001	BH17 2.5-3.0M	EA029: KCl Extractable Magnesium (23Sm)	----	0.02	% Mg	0.10	0.10	0.0	No Limit
		EA029: Peroxide Magnesium (23Tm)	----	0.02	% Mg	0.12	0.13	0.0	No Limit
		EA029: Acid Reacted Magnesium (23U)	----	0.02	% Mg	0.02	0.03	0.0	No Limit
		EA029: sulfidic - Acid Reacted Magnesium (s-23U)	----	0.02	% S	0.03	0.04	32.8	No Limit
		EA029: Acidity - Acid Reacted Magnesium (a-23U)	----	10	mole H+ / t	16	23	32.8	No Limit

Method Blank (MB) and Laboratory Control Spike (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

		Method Blank (MB) Report			Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EA029-B: Acidity Trail (QCLot: 501548)								
EA029: Titratable Actual Acidity (23F)	---	2	mole H+ / t	<2	---	---	---	---
EA029: Titratable Peroxide Acidity (23G)	---	2	mole H+ / t	<2	---	---	---	---
EA029: Titratable Sulfidic Acidity (23H)	---	2	mole H+ / t	<2	---	---	---	---
EA029: sulfidic - Titratable Actual Acidity (s-23F)	---	0.02	% pyrite S	<0.02	---	---	---	---
EA029: sulfidic - Titratable Peroxide Acidity (s-23G)	---	0.02	% pyrite S	<0.02	---	---	---	---
EA029: sulfidic - Titratable Sulfidic Acidity (s-23H)	---	0.02	% pyrite S	<0.02	---	---	---	---
EA029-C: Sulfur Trail (QCLot: 501548)								
EA029: KCl Extractable Sulfur (23Ce)	---	0.02	% S	<0.02	---	---	---	---
EA029: Peroxide Sulfur (23De)	---	0.02	% S	<0.02	---	---	---	---
EA029: Peroxide Oxidisable Sulfur (23E)	---	0.02	% S	<0.02	---	---	---	---
EA029: acidity - Peroxide Oxidisable Sulfur (a-23E)	---	10	mole H+ / t	<10	---	---	---	---
EA029-D: Calcium Values (QCLot: 501548)								
EA029: KCl Extractable Calcium (23Vh)	---	0.02	% Ca	<0.02	---	---	---	---
EA029: Peroxide Calcium (23Wh)	---	0.02	% Ca	<0.02	---	---	---	---
EA029: Acid Reacted Calcium (23X)	---	0.02	% Ca	<0.02	---	---	---	---
EA029: acidity - Acid Reacted Calcium (a-23X)	---	10	mole H+ / t	<10	---	---	---	---
EA029: sulfidic - Acid Reacted Calcium (s-23X)	---	0.02	% S	<0.02	---	---	---	---
EA029-E: Magnesium Values (QCLot: 501548)								
EA029: KCl Extractable Magnesium (23Sm)	---	0.02	% Mg	<0.02	---	---	---	---
EA029: Peroxide Magnesium (23Tm)	---	0.02	% Mg	<0.02	---	---	---	---
EA029: Acid Reacted Magnesium (23U)	---	0.02	% Mg	<0.02	---	---	---	---
EA029: Acidity - Acid Reacted Magnesium (a-23U)	---	10	mole H+ / t	<10	---	---	---	---
EA029: sulfidic - Acid Reacted Magnesium (s-23U)	---	0.02	% S	<0.02	---	---	---	---
EA029-F: Excess Acid Neutralising Capacity (QCLot: 501548)								
EA029: Excess Acid Neutralising Capacity (23Q)	---	0.02	% CaCO3	<0.02	---	---	---	---
EA029: acidity - Excess Acid Neutralising Capacity (a-23Q)	---	10	mole H+ / t	<10	---	---	---	---
EA029: sulfidic - Excess Acid Neutralising Capacity (s-23Q)	---	0.02	% S	<0.02	---	---	---	---

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

- **No Matrix Spike (MS) Results are required to be reported.**

Environmental Division

INTERPRETIVE QUALITY CONTROL REPORT

Work Order	: **ES0712913**	Page	: 1 of 7
Client	: COFFEY GEOTECHNICS	Laboratory	: Environmental Division Sydney
Contact	: MR STEVE MORTON	Contact	: Vicotor Kedicioglu
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Telephone	: +61 6555 8554	Telephone	: +61-2-8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: TUNC01736AA	QC Level	: NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Site	: ----	Date Samples Received	: 18-SEP-2007
C-O-C number	: 14513	Issue Date	: 28-SEP-2007
Sampler	: P.EDMED	No. of samples received	: 8
Order number	: ----	No. of samples analysed	: 8
Quote number	: EN/007/07		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Interpretive Quality Control Report contains the following information:

- Analysis Holding Time Compliance
- Quality Control Parameter Frequency Compliance
- Brief Method Summaries
- Summary of Outliers

Analysis Holding Time Compliance

The following report summarises extraction / preparation and analysis times and compares with recommended holding times. Dates reported represent first date of extraction or analysis and precludes subsequent dilutions and reruns. Information is also provided re the sample container (preservative) from which the analysis aliquot was taken. Elapsed period to analysis represents number of days from sampling where no extraction / digestion is involved or period from extraction / digestion where this is present. For composite samples, sampling date is assumed to be that of the oldest sample contributing to the composite. Sample date for laboratory produced leachates is assumed as the completion date of the leaching process. Outliers for holding time are based on USEPA SW 846, APHA, AS and NEPM (1999). A listing of breaches is provided in the Summary of Outliers.

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Matrix: **SOIL**

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA029-A: pH Measurements							
Snap Lock Bag BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	**14-SEP-2007**	**21-SEP-2007**	15-SEP-2007	×	**27-SEP-2007**	26-DEC-2007	✓
EA029-B: Acidity Trail							
Snap Lock Bag BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	**14-SEP-2007**	**21-SEP-2007**	15-SEP-2007	×	**27-SEP-2007**	26-DEC-2007	✓
EA029-C: Sulfur Trail							
Snap Lock Bag BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	**14-SEP-2007**	**21-SEP-2007**	15-SEP-2007	×	**27-SEP-2007**	26-DEC-2007	✓
EA029-D: Calcium Values							
Snap Lock Bag BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	**14-SEP-2007**	**21-SEP-2007**	15-SEP-2007	×	**27-SEP-2007**	26-DEC-2007	✓
EA029-E: Magnesium Values							
Snap Lock Bag BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	**14-SEP-2007**	**21-SEP-2007**	15-SEP-2007	×	**27-SEP-2007**	26-DEC-2007	✓

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Matrix: **SOIL**

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA029-F: Excess Acid Neutralising Capacity							
Snap Lock Bag BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	**14-SEP-2007**	**21-SEP-2007**	15-SEP-2007	×	**27-SEP-2007**	26-DEC-2007	✓
EA029-G: Retained Acidity							
Snap Lock Bag BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	**14-SEP-2007**	**21-SEP-2007**	15-SEP-2007	×	**27-SEP-2007**	26-DEC-2007	✓
EA029-H: Acid Base Accounting							
Snap Lock Bag BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	**14-SEP-2007**	**21-SEP-2007**	15-SEP-2007	×	**27-SEP-2007**	26-DEC-2007	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(where) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Matrix: **SOIL**

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Reqular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Suspension Peroxide Oxidation-Combined Acidity and Sulphate	EA029	1	8	**12.5**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Method Blanks (MB)							
Suspension Peroxide Oxidation-Combined Acidity and Sulphate	EA029	1	8	**12.5**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Suspension Peroxide Oxidation-Combined Acidity and Sulphate	EA029	SOIL	Ahern et al 2004 - a suspension peroxide oxidation method following the 'sulfur trail' by determining the level of 1M KCL extractable sulfur and the sulfur level after oxidation of soil sulphides. The 'acidity trail' is followed by measurement of TAA, TPA and TSA. Liming Rate is based on results for samples as submitted and incorporates a minimum safety factor of 1.5.

Preparation Methods	Method	Matrix	Method Descriptions
Drying at 85 degrees, bagging and labelling (ASS)	EN020PR	SOIL	In house

Summary of Outliers

Outliers : Quality Control Samples

The following report highlights outliers flagged in the Quality Control (QC) Report. Surrogate recovery limits are static and based on USEPA SW846 or ALS-QWI/EN/38 (in the absence of specific USEPA limits). "Anonymous" Client Sample IDs refer to samples which are not specifically part of this work order but formed part of the QC process lot. This report displays QC Outliers (breaches) only.

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

- **For all matrices, no Method Blank value outliers occur.**
- **For all matrices, no Duplicate outliers occur.**
- **For all matrices, no Laboratory Control outliers occur.**
- **For all matrices, no Matrix Spike outliers occur.**

Regular Sample Surrogates

- **For all regular sample matrices, no surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

This report displays Holding Time breaches only. Only the respective Extraction / Preparation and/or Analysis component is/are displayed.

Matrix: **SOIL**

Method / Container / Client Sample ID(s)	Extraction / Preparation			Analysis		
	Date extracted	Due for extraction	Days overdue	Date analysed	Due for analysis	Days overdue
EA029-A: pH Measurements						
Snap Lock Bag						
BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	21-SEP-2007	15-SEP-2007	6	---	---	---
EA029-B: Acidity Trail						
Snap Lock Bag						
BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	21-SEP-2007	15-SEP-2007	6	---	---	---
EA029-C: Sulfur Trail						
Snap Lock Bag						
BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	21-SEP-2007	15-SEP-2007	6	---	---	---
EA029-D: Calcium Values						

Matrix: **SOIL**

Method / Container / Client Sample ID(s)	Extraction / Preparation			Analysis		
	Date extracted	Due for extraction	Days overdue	Date analysed	Due for analysis	Days overdue
EA029-D: Calcium Values - Analysis Holding Time Compliance						
Snap Lock Bag						
BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	21-SEP-2007	15-SEP-2007	6	---	---	---
EA029-E: Magnesium Values						
Snap Lock Bag						
BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	21-SEP-2007	15-SEP-2007	6	---	---	---
EA029-F: Excess Acid Neutralising Capacity						
Snap Lock Bag						
BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	21-SEP-2007	15-SEP-2007	6	---	---	---
EA029-G: Retained Acidity						
Snap Lock Bag						
BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	21-SEP-2007	15-SEP-2007	6	---	---	---
EA029-H: Acid Base Accounting						
Snap Lock Bag						
BH17 2.5-3.0M, BH17 3.0-3.5M, BH18 2.0-2.5M, BH18 2.5-3.0M, BH19 2.0-2.5M, BH19 2.5-3.0M, BH20 2.0-2.5M, BH20 3.0-3.5M	21-SEP-2007	15-SEP-2007	6	---	---	---

Outliers : Frequency of Quality Control Samples

The following report highlights breaches in the Frequency of Quality Control Samples.

- **No Quality Control data available for this section.**

2 December 2008

Sinclair Knight Merz
710 Hunter Street
Newcastle West NSW 2302

Attention: Holly Marlin

Dear Holly,

RE: Adequacy of the Acid Sulphate Soils and Contamination Assessment report and the Geotechnical Assessment report submitted in support of the *Environmental Assessment of the Pitt Street, Taree Waterfront Precinct Concept Plan*

The **Acid** Sulphate Soils and Contamination Assessment entitled Acid Sulphate Soils and Contamination Assessment, Pitt Street Waterfront, Chatham (Taree) dated 10 November 2007 and Pitt Street Waterfront, Taree. Geotechnical Assessment dated 20 March 2008 prepared by Coffey Geotechnics Pty Ltd was originally prepared in support of the *Preliminary Assessment of the Pitt Street, Taree Waterfront Precinct Concept Plan* dated 26 February 2008.

As the author of the assessment, I have reviewed it in detail to determine:

1) Whether its scope and findings adequately address the issues presented by the Concept Plan (as the plan exists on the date of this letter); and
2) Whether any findings in the assessment are out of date.

Table 1 below outlines any additional issues identified as a result of my review of the assessment and how these issues have been, or may be addressed through the planning process.

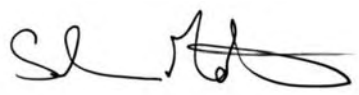
Table 1: Additional Issues/Recommendations Arising Out of Concept Plan

Issue	Recommendation
DGR 7.3 The current status of contamination assessment is not sufficiently detailed to allow preparation of detailed remediation management plans of the nature required for the proposed redevelopment.	As a change of land use is required and due to the environmental sensitivity of the site, an audit statement on the localised areas of potential contamination that are identified in the *Acid Sulphate Soil and Contamination Assessment and Review* by Coffey Geotechnics (dated 7 November 2007) should be undertaken. Such a statement should be prepared by an accredited Contaminated Lands Auditor. More detailed investigation and sampling is required in localised areas of the site. Future works should be undertaken in consultation with the auditor so that a Site Audit Statement can be issued on completion of the works that will allow redevelopment to a more sensitive land use than the previous industrial usage.
DGR 7.4 and 7.5. The current works are sufficient for planning purposes and as such are deemed to meet the DGR	More detailed work will be required to allow detailed design and construction planning.

It is considered that, subject to matters outlined in the **Table 1** above, the scope, findings and conclusions in the assessment remain relevant and valid. While there may be minor matters which arise from the detailed development of the Concept Plan, no substantial changes have occurred which would warrant updating of the study. Where conditions / standards etc. have changed these will be addressed either through a Preferred Project Report (PPR) after exhibition of the Part 3A Concept Plan, or through the subsequent Project Application Process. Accordingly, it is considered that the attached assessment remains valid for the Concept Plan and is suitable in its current form for public exhibition.

If you have any questions regarding this matter please contact the undersigned.

For and on behalf of Coffey Geotechnics Pty Ltd



Steven Morton

Principal