

OSCAR Bioenergy Joint Venture

Contract No. EP/SP/61/10
Organic Waste Treatment Facilities
Phase 1:
*Sixth Quarterly EM&A Summary
Report*

1 September 2016 – 30 November 2016

Environmental Resources Management

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Meinhardt Infrastructure and Environment Limited

**Organic Waste Treatment Facilities,
Phase I**

6th Quarterly EM&A Summary Report
(1 September 2016 – 30 November 2016)

(December 2016)

Verified by: _____ Helen Cochrane

A handwritten signature in black ink, appearing to read 'Helen Cochrane', written over a horizontal line.

Position: Independent Environmental Checker

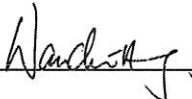
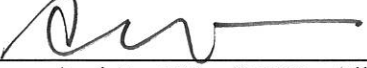
Date: _____ 23 December 2016

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Contract No. EP/SP/61/10
Organic Waste Treatment Facilities
Phase 1:
*Sixth Quarterly EM&A Summary
Report*

1 September 2016 - 30 November 2016

Reference 0279222

For and on behalf of ERM-Hong Kong, Limited	
Approved by:	Frank Wan
Signed:	
Position:	Partner
Certified by:	 (Environmental Team Leader - Mandy To)
Certified by:	 (Registered Landscape Architect No. R-150 - Albert Chung)
Date:	20 December 2016

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1 INTRODUCTION

ERM-Hong Kong, Limited (ERM) was appointed by OSCAR Bioenergy Joint Venture (the Contractor) as the Environmental Team (ET) to undertake the Environmental Monitoring and Audit (EM&A) programme for the *Contract No. EP/SP/61/10 of Organic Waste Treatment Facilities Phase I (the Project)*.

1.1 PURPOSE OF THE REPORT

This is the sixth quarterly EM&A summary report, which summarizes the impact monitoring results and audit findings for the EM&A programme during the reporting period from **1 September 2016 to 30 November 2016**.

1.2 STRUCTURE OF THE REPORT

The structure of the report is as follows:

Section 1 : **Introduction**

It details the scope and structure of the report.

Section 2 : **Project Information**

It summarises background and scope of the Project, site description, project organization, construction programme, the construction works undertaken and the status of Environmental Permits (EP)/licences over the construction phase of the Project.

Section 3 : **Environmental Monitoring Requirements**

It summarises the environmental monitoring including monitoring parameters, monitoring programmes, monitoring frequency, monitoring locations, Action and Limit Levels, Event/ Action Plans, environmental mitigation measures as recommended in the approved EIA report, EP and relevant environmental requirements stated in the Contract Specification.

Section 4 : **Implementation Status on Environmental Mitigation Measures**

It summarises the implementation of environmental protection measures during the reporting period.

Section 5 : **Waste Management**

It summarises the quantity of public fill and construction waste generated in the reporting period

Section 6 : **Environmental Site Inspection**

It summarises the audit findings of the weekly site inspections undertaken within the reporting period.

Section 7 : **Environmental Non-conformance**

It summarises any exceedance of environmental performance standard, and environmental complaints and environmental summons received within the reporting period.

Section 8 : **Conclusions**

2.1**BACKGROUND**

The Organic Waste Treatment Facilities (OWTF) Phase I development (hereinafter referred to as “the Project”) is to design, construct and operate a biological treatment facility with a capacity of about 200 tonnes per day and convert source-separated organic waste from commercial and industrial sectors (mostly food waste) into compost and biogas through proven biological treatment technologies.

The environmental acceptability of the construction and operation of the Project had been confirmed by findings of the associated Environmental Impact Assessment (EIA) Study completed in 2009. The Director of Environmental Protection approved this EIA Report under the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499) in February 2010 (Register No.: AEIAR-149/2010) (hereafter referred to as the approved EIA Report). Subsequent Report on Re-assessment on Environmental Implications and Report on Re-assessment on Hazard to Life Implications were completed in 2013, respectively.

An Environmental Permit (EP) (No. EP-395/2010) was issued by the Environmental Protection Department (EPD) to the EPD, the Permit Holder, on 21 June 2010 and varied on 18 March 2013 (No. EP-395/2010/A) and 21 May 2013 (No. EP-395/2010/B), respectively. The Design Build and Operate Contract for the OWTF (Contract No. EP/SP/61/10 Organic Waste Treatment Facilities Phase I (the Contract)) was awarded to SITA Waste Services Limited, ATAL Engineering Limited and Ros-Roca, Sociedad Anonima jointly trading as the OSCAR Bioenergy Joint Venture (OSCAR or the Contractor). A Further EP (No. FEP-01/395/2010/B) was issued by the EPD to the OSCAR on 16 February 2015. Variation to both EPs No. EP-395/2010/B and No. FEP-01/395/2010/B were made in December 2015. The latest EPs, No. EP-395/2010/C and No. FEP-01/395/2010/C, were issued by the EPD on 21 December 2015.

Under the requirements of Condition 5 of the EP (No. FEP-01/395/2010/C), an Environmental Monitoring and Audit (EM&A) programme as set out in the Agreement No. CE7/2008 (EP) EM&A Manual (hereinafter referred to as EM&A Manual) is required to be implemented. ERM-Hong Kong, Ltd (ERM) has been appointed by OSCAR as the Environmental Team (ET) to undertake the EM&A programme for the Contract.

The construction works commenced on 21 May 2015 and are scheduled for completion by September 2017.

2.2 GENERAL SITE DESCRIPTION

The Project Site is located at Siu Ho Wan in North Lantau with an area of about 2 hectares. The layout of the upgrading works is illustrated in *Annex A*.

2.3 CONSTRUCTION ACTIVITIES

A summary of the major construction activities undertaken in the reporting period is shown *Table 2.1*. The locations of the construction activities are shown in *Annex B*. The construction programme of the Project is presented in *Annex C*.

Table 2.1 *Summary of Construction Activities Undertaken in the Reporting Period*

Construction Activities Undertaken
<ul style="list-style-type: none">• Building 1 – superstructure works, water tanks construction.• Building 2 – defect rectification, ABWF and finishing work, steel work for covered walkway, installation of pump and pipework at roof, Electrical and BS installation work.• Building 3 – superstructure works, ABWF, Electrical and BS installation inside G/F rooms.• AD Tank – Erection of AD 3 and Suspension Buffer Tank, testing, scaffolding erection and cladding work to AD 1, water filling to AD2.• Biogas Holder & Plant Area –erection of De-sulphurisation tank 1 & 2, blowers, standby flare, carbon filter.• Ammonia Stripping Plant –structural steel and mechanical erection work.• Mechanical installation (guide rail) at Building 1.• Tiles installation inside tunnel of Building 2.• CHP area: Erection of CHP 1,2,3.• Sitewide – Underground drainage and drawpit work.• Portion 2 – temp. traffic arrangement, roadworks.• Portion 4 – Material handling and storage, steel bending & cutting.

2.4 PROJECT ORGANISATION AND MANAGEMENT STRUCTURE

The project organisation chart and contact details are shown in *Annex D*.

2.5 STATUS OF ENVIRONMENTAL APPROVAL DOCUMENTS

A summary of the valid permits, licences, and/or notifications on environmental protection for this Project is presented in *Table 2.2*.

Table 2.2 *Summary of Environmental Licensing, Notification and Permit Status*

Permit/ Licenses/ Notification	Reference	Validity Period	Remarks
Environmental Permit	FEP-01/395/2010/C	Throughout the Contract	Permit granted on 21 December 2015
Notification of Construction Works under the Air Pollution Control (Construction Dust) Regulation	Ref No. 386715	Throughout the Contract	-
Effluent Discharge License	WT00021482-2015	21 May 2015 – 31 May 2020	Approved on 21 May 2015
Construction Noise Permit -P1&P2	GW-RW0146-16	28 March 2016 – 27 September 2016	Approved on 21 March 2016
Construction Noise Permit-P1&P2	GW-RW0483-16	12 September 2016 – 11 December	Approved on 22 August 2016
Construction Noise Permit – P3	GW-RW0272-16	1 June 2016 – 30 November 2016	Approved on 17 May 2016
Chemical Waste Producer Registration	WPN 5213-961-O2231-01	Throughout the Contract	Approved on 29 April 2015
Waste Disposal Billing Account	Account number: 702310	Throughout the Contract	-

ENVIRONMENTAL MONITORING REQUIREMENT, ENVIRONMENTAL MITIGATION MEASURES

All the relevant environmental mitigation measures listed in the EIA Report and EM&A Manual are summarised in *Annex E*.

According to the EM&A Manual and EP requirement, no air quality, noise and water quality monitoring is required.

Bi-weekly landscape and visual audit is required to ensure that the design, implementation and maintenance of landscape and visual mitigation measures recommended in the EIA Report are fully achieved.

IMPLEMENTATION STATUS ON ENVIRONMENTAL PROTECTION REQUIREMENTS

The Contractor has implemented environmental mitigation measures and requirements as stated in the approved EIA Report and EM&A Manual. The implementation status of the measures during the reporting period is summarised in *Annex E*.

Wastes generated from this Project include inert construction and demolition (C&D) materials (public fill) and non-inert C&D materials (construction waste). Construction waste comprises general refuse, metals and paper/cardboard packaging materials. Metals generated from the Project are also grouped into construction waste as the materials were not disposed of with others at public fill. Reference has been made to the Monthly Summary Waste Flow Table prepared by the Contractor (see *Annex F*). With reference to the relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting month are summarised in *Table 5.1*.

Table 5.1 *Quantities of Waste Generated from the Project*

Month / Year	Quantity			
	Total Inert C&D Materials Generated ^(a)	Non-inert C&D Materials ^(b)		
		C&D Materials Recycled ^(c)	C&D Waste Disposed of at Landfill ^(d)	Chemical Waste
September 2016	324.35 tonnes	59,580.00 kg	138.25 tonnes	0 L
October 2016	1561.82 tonnes	49,300.00 kg	114.47 tonnes	0 L
November 2016	897.23 tonnes	123,000.00 kg	154.22 tonnes	0 L

Notes:

- (a) Inert C&D materials (public fill) include bricks, concrete, building debris, rubble and excavated spoil. In total, 2783.4 tonnes of inert C&D material were generated from the Project, of which 39 tonnes were reused in this Contract and the remaining 2,724.56 tonnes were disposed as public fill to Fill Banks at Tuen Mun Area 38 and 19.84 tonnes were disposed to Tseung Kwan O Area 137. The detailed waste flow is presented in *Annex F*.
- (b) Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse. Metals generated from the Project were grouped into construction wastes as the materials were not disposed of with others at the public fill.
- (c) 96,800.00 kg of metals, 135,080.00 kg of papers/ cardboard packing and 0.00 kg of plastics were sent to recyclers for recycling during the reporting period.
- (d) Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at NENT Landfill by subcontractors.

6.1 WEEKLY SITE AUDITS

Thirteen site inspections were conducted during the reporting period. There was no non-compliance recorded during the site inspections. Follow-up actions were undertaken as reported by the Contractor and observed in the subsequent weekly site inspections conducted in the reporting period.

September 2016

Joint site inspections were conducted by the representatives of the Contractor, SOR and the ET on 5, 12, 21 and 26 September 2016. The IEC was also present at the joint inspection on 21 September 2016.

October 2016

Joint site inspections were conducted by the representatives of the Contractor, SOR and the ET on 3, 11, 19, 24 and 31 October 2016. The IEC was also present at the joint inspection on 19 October 2016.

November 2016

Joint site inspections were conducted by the representatives of the Contractor, SOR and the ET on 7, 16, 21 and 28 November 2016. The IEC was also present at the joint inspection on 16 November 2016.

6.2 LANDSCAPE AND VISUAL AUDIT

Seven landscape and visual monitoring site inspections were conducted during the reporting period. Follow-up actions needed to be implemented were recommended to the Contractor and the status of the follow-up actions was reviewed during the subsequent weekly site inspections. It was confirmed that most of the necessary landscape and visual mitigation measures as summarised in *Annex E* were implemented by the Contractor.

In accordance with the EM&A Manual, bi-weekly landscape and visual inspection is required to ensure that the design, implementation and maintenance of landscape and visual mitigation measures recommended in the EIA Report are fully achieved. The onsite inspection of the landscape and visual mitigation measures has commenced since June 2015 during weekly site inspections.

September 2016

Bi-weekly site inspections were conducted on 12 and 26 September 2016.

October 2016

Bi-weekly site inspections were conducted on 3, 19 and 31 October 2016.

November 2016

Bi-weekly site inspections were conducted on 7 and 21 November 2016.

Key landscape and visual mitigation measures implemented in the reporting period included:

- Provide insect prevention measures to the exposed root of retained tree to prevent potential damage due to the exposure.
- Provide the non-moisture holding material around the trees to prevent potential damage.
- Avoid placing machine near the tree protection zone.

6.3

EFFECTIVENESS OF MITIGATION MEASURES AND MONITORING

The mitigation measures recommended in the EIA report and required by the EP are considered effective in minimizing environmental impacts.

The EM&A for the Project was conducted as scheduled during the reporting period. No non-compliance events were observed during site inspections and no exceedances were recorded during this reporting period. The EM&A programme is considered effective.

7 ENVIRONMENTAL NON-CONFORMANCE

7.1 SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE

No non-compliance event was recorded during the reporting period.

One non-compliance event was recorded during the last reporting period, which was on 25 August 2016 9:45 in the morning. During cleaning of the waste water treatment tanks, a worker inadvertently allowed the cleaning water to flow out to the DSD Nullah without passing through the waste water treatment facilities. The contractor has been implementing remedial works and follow-up actions and will be completed shortly. The Investigation Report is shown in *Annex H*.

7.2 SUMMARY OF ENVIRONMENTAL COMPLAINT

No complaint was received during the reporting period. The cumulative environmental complaint log is shown in *Annex G*.

7.3 SUMMARY OF ENVIRONMENTAL SUMMON AND SUCCESSFUL PROSECUTION

No summon/prosecution was received during the reporting period. The cumulative summons/prosecution log is shown in *Annex G*.

CONCLUSIONS

This EM&A Report presents the EM&A works undertaken during the reporting period from 1 September 2016 to 30 November 2016 in accordance with EM&A Manual and requirements of EP (FEP-01/395/2010/C).

No air quality, noise and water quality monitoring is required.

Bi-weekly landscape and visual monitoring was conducted in this quarterly period. Most of the necessary landscape and visual mitigation measures recommended in the EIA Report were implemented by the Contractor. Follow-up actions would be implemented by the Contractor to improve protection measures on the retained or to-be transplanted trees.

No non-compliance event was recorded during the reporting period.

No complaint and summons/prosecution was received during the reporting period.

The ET will keep track on the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures in the coming periods.

EXECUTIVE SUMMARY

The construction works of *No. EP/SP/61/10 Organic Waste Treatment Facilities Phase I (the Project)* commenced on 21 May 2015. This is the sixth quarterly Environmental Monitoring and Audit (EM&A) summary report presenting the EM&A works carried out during the period from 1 September 2016 to 30 November 2016 in accordance with the EM&A Manual.

Environmental Monitoring and Audit Progress

A summary of the monitoring activities undertaken in this reporting period is listed below:

- Joint Environmental Site Inspection 13 times
- Landscape & Visual Monitoring 7 times

Waste Management

Waste generated from this Project includes inert construction and demolition (C&D) materials (public fill) and non-inert C&D materials (construction wastes).

Environmental Exceedance/Non-conformance/Compliant/Summons and Prosecution

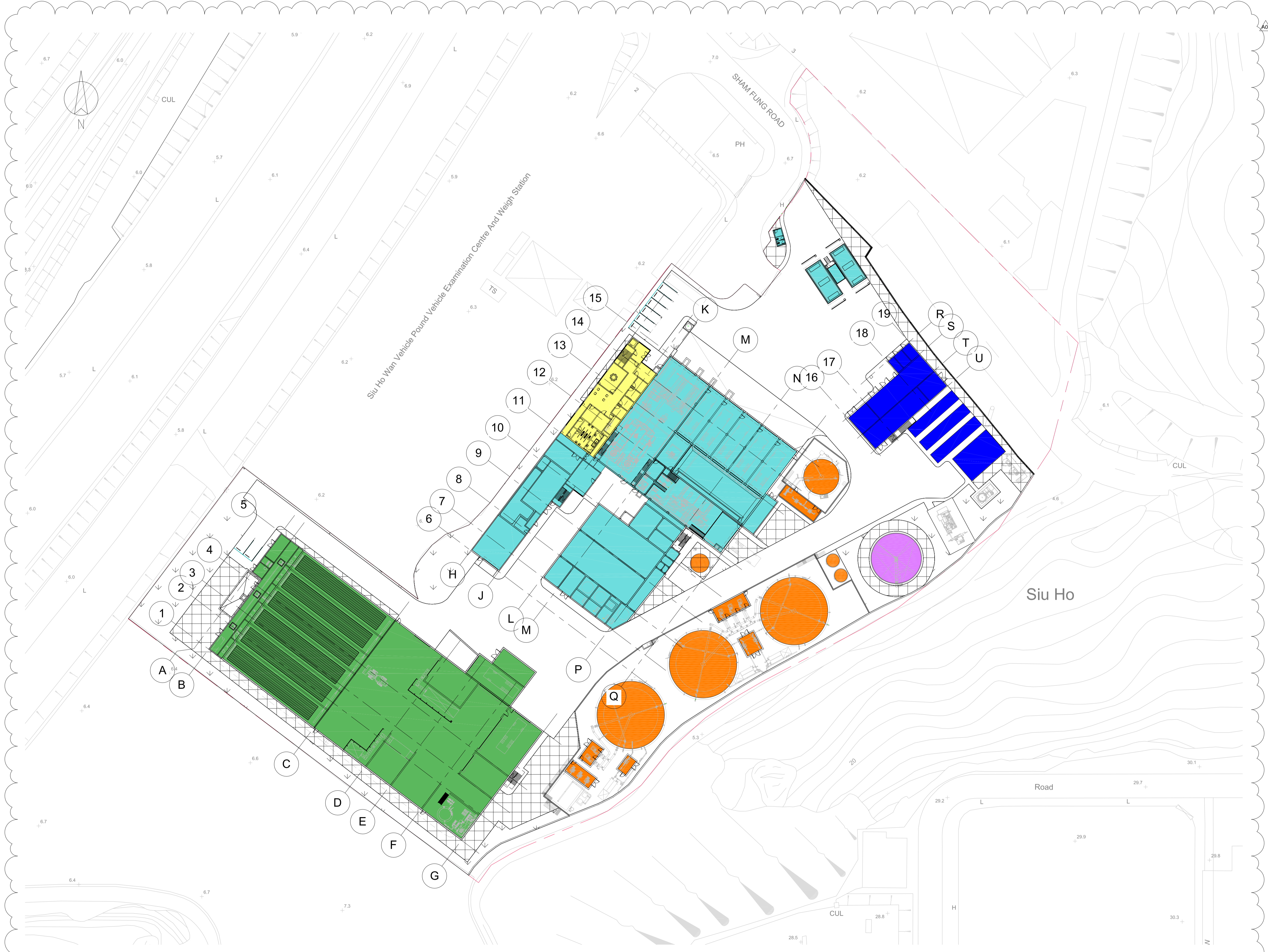
No exceedance was recorded during the reporting period.

No non-compliance event was recorded during the reporting period.

No environmental complaint and summon/prosecution was received in this reporting period.

Annex A


Project Layout



A01	05/03/15	CW	MB	IMTECH BACKGROUNDS UPDATED
A00	18/02/15	CW	MB	DRAFT ISSUE
REV	DATE	BY	APP	DESCRIPTION

CLIENT
 ENVIRONMENTAL PROTECTION DEPARTMENT
 GOVERNMENT OF THE HKSAR

CLIENT'S CONSULTANT
 **AECOM**
 AECOM ASIA CO. LTD.

CONTRACTOR
   
 OSCAR BIOENERGY JV

LEAD DESIGNER
 **ARUP**
 Ove Arup & Partners Hong Kong Limited

ENVIRONMENTAL TEAM
 **ERM**
 ERM HONG KONG LIMITED

INDEPENDENT CONSULTANTS
 **MEINHARDT**
 Meinhardt Infrastructure and Environment Limited
 邁達基建環保工程顧問有限公司

PROJECT
 ORGANIC WASTE TREATMENT FACILITIES
 PHASE 1
 EP/SP/61/10

STATUS
 DRAFT ISSUE

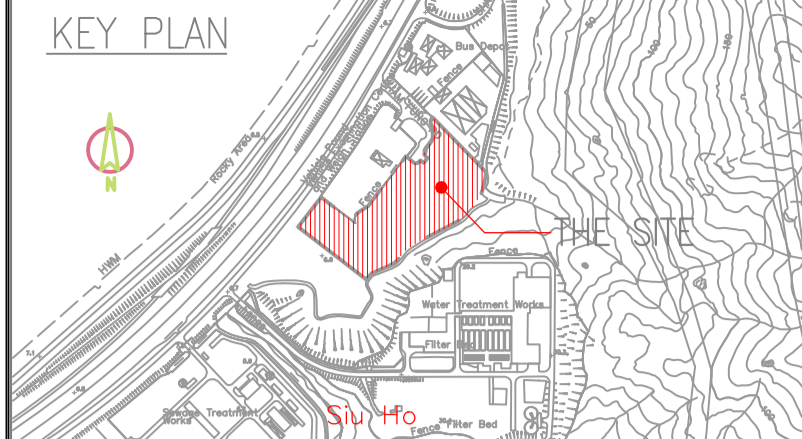
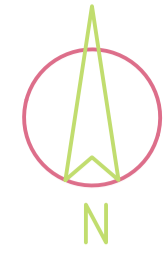
DRAWING TITLE
 SITE LAYOUT

DRAWN	CW	CHECKED	RS	APPROVED	DP
SCALE	1:500@A1 / 1:1000@A3		DATE	12/02/15	
JOB NO.	239956	DRAWING NO.	DR-OAP-20-0-CA-1001	REV.	A01

Plot Time: 05/03/15 21:20:07
 Plot Location: C:\Users\mathew.brown\Documents\QWTF_Architectural Working Model (Combined) - CEH_mathew.brown.rvt

Annex B


Works Location



LEGEND

- SITE BOUNDARY
- T T T T T PROPOSED HOARDING TYPE 1
- +++++ EXISTING CHAIN-LINK FENCE
- ~~~~~ PROPOSED 6 m TYPE II SHEET PILE PLANKING WALL WITH 3 m EXTRUDED ABOVE GROUND
- XXXXX EXISTING FENCE WALL
- - - - DISCHARGE DRAINAGE
- 300mm(W) PROPOSED TEMP. CHANNEL
- 300mm(W) EXISTING U-CHANNEL
- 50/75mm FLEXIBLE DRAIN
- PROPOSED TEMP. CATCH PIT
- PORTABLE WATER PIPE
- TRAFFIC DIRECTION
- REBAR STORAGE AREA AND BENDING YARD
- GENERAL MATERIAL STORAGE AREA
- C & D MATERIAL STORAGE AREA
- VEHICLE WHEEL WASH
- WATER TREATMENT PLANT


REV	DATE	BY	APP	DESCRIPTION
J	01 SEP 2016	LL	JC	REVISED LAYOUT
I	27 APR 2016	LL	JC	REVISED LAYOUT
H	30 DEC 2015	LL	JC	REVISED LAYOUT
G	30 MAY 2015	LL	CL	REVISED LAYOUT

CLIENT
 ENVIRONMENTAL PROTECTION DEPARTMENT
 GOVERNMENT OF THE HKSAR

CLIENT'S CONSULTANT
 **AECOM**
 AECOM ASIA CO. LTD.

CONTRACTOR
 **SUEZ ATAL RosRoca**
 OSCAR Bioenergy Joint Venture

LEAD DESIGNER
 **ARUP**
 Ove Arup & Partners Hong Kong Limited

ENVIRONMENTAL TEAM
 **ERM**
 ERM HONG KONG LIMITED

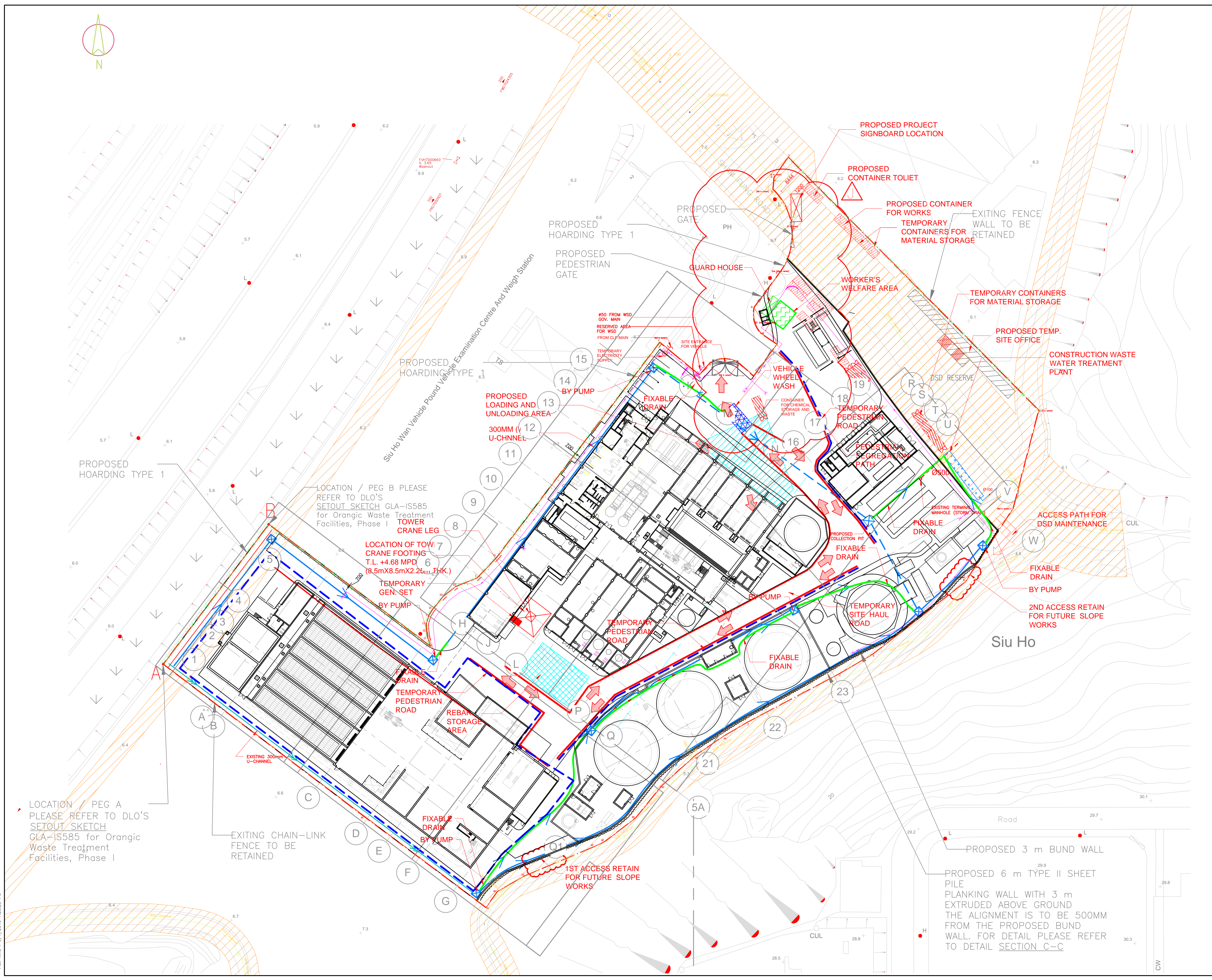
INDEPENDENT CONSULTANTS
 **MEINHARDT**
 Meinhardt Infrastructure and Environment Limited
 邁進基礎環境工程顧問有限公司

PROJECT
 ORGANIC WASTE TREATMENT FACILITIES
 PHASE I
 EP/SP/61/10

STATUS
 ISSUED FOR COMMENT

DRAWING TITLE
**GENERAL SITE LAYOUT PLAN
 AT PORTION 1**

DRAWN LL	CHECKED JC	APPROVED JC
SCALE 1:500@A1; 1:1000@A3	DATE 01 SEP 2016	REV. J
JOB NO. P00424	DRAWING NO. DR-PSC-00-0-CN-1002	REV. J



Plot By: LeoAM
 Plot Time: 9/7/2016 7:26:29 PM

Annex C

Construction Programme of the Project

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017					
												Nov	Dec	Jan	Feb	Nov	Dec	Jan	Feb		
1	Contract No. EP/SP/61/10 - The Design & Construction																				
2	MAJOR MILESTONES																				
3	MC2 Milestones for Design of the Works																				
4	MC2.1 The Employer's consent granted on Detailed Design Submission																				
5			126d	20-Oct-15	23-Feb-16	56d	23-Dec-16	17-Feb-17		-25d	-360d										
6	MC210600	MC2.1.6 - Employer's consent granted in respect of Detail Design of control & instrumentation works	0d		20-Oct-15	0d		17-Feb-17	0%	-35d	-486d										
7	MC210700	MC2.1.7 - Employer's consent granted in respect of building services & electrical works	0d		04-Nov-15	0d		23-Jan-17	0%	-24d	-446d								◆ MC2.1.7 - Employer's consent granted in r		
8	MC210800	MC2.1.8 - Employer's consent granted in respect of Detailed Design of civil, structural & geotechnical works	0d		23-Feb-16	0d		23-Dec-16	0%	31d	-304d								◆ MC2.1.8 - Employer's consent granted in respect of Detailed Design of civil, structural & geotechn		
9	MC2.2 Completion of the Design of the Works																				
10			0d	23-Feb-16	23-Feb-16	0d	17-Feb-17	17-Feb-17		-25d	-360d										
11	MC220100	MC2.2 - Completion of the Design of the Works	0d		23-Feb-16	0d		17-Feb-17	0%	-25d	-360d										
12	MC3 Milestones for Construction of the Works																				
13	MC3.2 Delivery of Materials and Equipment to the Site																				
14			79d	26-Jan-16	25-May-16	5d	17-Oct-16 A	17-Feb-17		215d	-183d										
15	MC320100	MC3.2.1 - Completion of Delivery of Pre-treatment System	0d		26-Jan-16	0d		10-Feb-17	0%	220d	-257d								◆ MC3.2.1		
16	MC320200	MC3.2.2 - Completion of Delivery of Anaerobic Digesters	0d		25-Feb-16	0d		17-Oct-16 A	100%		-159d								◆ MC3.2.2 - Completion of Delivery of Anaerobic Digesters		
17	MC320400	MC3.2.4 - Completion of Delivery of Composting Tunnels	0d		25-May-16	0d		28-Oct-16 A	100%		-108d								◆ MC3.2.4 - Completion of Delivery of Composting Tunnels		
18	MC320500	MC3.2.5 - Completion of Delivery of Centralized Air Pollution Control System	0d		26-Jan-16	0d		17-Feb-17	0%	-3d	-262d										
19	MC3.5 Testing and Commissioning																				
20			0d	23-Dec-16	23-Dec-16	0d	23-Dec-16	23-Dec-16		136d	0d										
21	MC350100	MC3.5.1 - Employer's consent granted on all FAT,SAT, System Comm, Test, Process Start Up & Process Comm.& Plant Comm.T,Plan	0d		23-Dec-16	0d		23-Dec-16	0%	136d	0d								◆ MC3.5.1 - Employer's consent granted on all FAT,SAT, System Comm, Test, Process Start Up & Proc		
22	PRELIMINARY AND GENERAL REQUIREMENT WORKS																				
23	Training of Operation & Maintenance Staff																				
24			153d	26-May-16	25-Nov-16	142d	28-Sep-16 A	16-May-17		14d	-135d										
25			153d	26-May-16	25-Nov-16	142d	28-Sep-16 A	16-May-17		14d	-135d										
26	TN100150	IC checks & certifies training syllabus & materials	14d	26-May-16	08-Jun-16	15d	28-Sep-16 A	02-Dec-16	0%	62d	-177d								IC checks & certifies training syllabus & materials		
27	TN100200	Employer agrees to training syllabus and materials	0d		22-Jun-16	0d		16-Dec-16	0%	62d	-177d								◆ Employer agrees to training syllabus and materials		
28	TN100300	O&M Training of Employer's staff	64d	26-Aug-16	25-Nov-16	64d	09-Feb-17	16-May-17	0%	12d	-112d										
29	Preparation of Testing / Operation Plan																				
30	Factory Acceptance Test Plan																				
31			59d	09-Sep-15	19-Nov-15	38d	01-Dec-15 A	04-Jan-17		293d	-333d										
32	TP100100	Submission of Factory Acceptance Test Plan	20d	09-Sep-15	08-Oct-15	4d	01-Dec-15 A	23-Nov-16	55%	272d	-280d								Submission of Factory Acceptance Test Plan		
33	TP100110	IC checks & comments on Factory Acceptance Test Plan	14d	09-Oct-15	22-Oct-15	20d	17-Dec-15 A	07-Dec-16	35%	389d	-412d								IC checks & comments on Factory Acceptance Test Plan		
34	TP100120	Revise & resubmit Factory Acceptance Test Plan	7d	23-Oct-15	29-Oct-15	27d	14-Jan-16 A	14-Dec-16	0%	382d	-412d								Revise & resubmit Factory Acceptance Test Plan		
35	TP100130	IC checks & certifies Factory Acceptance Test Plan	7d	30-Oct-15	05-Nov-15	34d	15-Jan-16 A	21-Dec-16	0%	-20d	-412d								IC checks & certifies Factory Acceptance Test Plan		
36	TP100140	Employer Consents to Factory Acceptance Test Plan	0d		19-Nov-15	0d		04-Jan-17	0%	-20d	-412d								◆ Employer Consents to Factory Acceptance Test Plan		
37	Site Acceptance Test Plan																				
38			42d	29-Jan-16	10-Mar-16	36d	30-Sep-16 A	23-Dec-16		-51d	-288d										
39	TP100210	IC checks & comments on Site Acceptance Test Plan	14d	29-Jan-16	11-Feb-16	0d	01-Dec-15 A	11-Nov-16 A	100%		-274d								IC checks & comments on Site Acceptance Test Plan		
40	TP100220	Revise & resubmit Site Acceptance Test Plan	7d	12-Feb-16	18-Feb-16	15d	12-Nov-16 A	02-Dec-16	0%	-51d	-288d								Revise & resubmit Site Acceptance Test Plan		
41	TP100230	IC checks & certifies Site Acceptance Test Plan	7d	19-Feb-16	25-Feb-16	7d	03-Dec-16	09-Dec-16	0%	-51d	-288d								IC checks & certifies Site Acceptance Test Plan		
42	TP100240	Employer Consents to Site Acceptance Test Plan	0d		10-Mar-16	0d		23-Dec-16	0%	-51d	-288d								◆ Employer Consents to Site Acceptance Test Plan		
43	Detail CV																				
44			36d	20-Jun-16	01-Aug-16	34d	15-Dec-16	26-Jan-17		11d	-147d										
45	OP100100	Submission of Detail CV before Process Start up and commissioning	1d	20-Jun-16	20-Jun-16	1d	15-Dec-16	15-Dec-16	0%	9d	-125d								Submission of Detail CV before Process Start up and commissioning		
46	OP100110	IC checks & comments on Detail CV	14d	21-Jun-16	04-Jul-16	14d	16-Dec-16	29-Dec-16	0%	17d	-178d								IC checks & comments on Detail CV		
47	OP100120	Revise & resubmit Detail CV	7d	05-Jul-16	11-Jul-16	7d	30-Dec-16	05-Jan-17	0%	17d	-178d								Revise & resubmit Detail CV		
48	OP100130	IC checks & certifies Detail CV	7d	12-Jul-16	18-Jul-16	7d	06-Jan-17	12-Jan-17	0%	17d	-178d								IC checks & certifies Detail CV		
49	OP100140	Employer Consents to Detail CV before Process Start up and commissioning	0d		01-Aug-16	0d		26-Jan-17	0%	17d	-178d								◆ Employer Consents to Detail CV bef		
50	All System Commissioning Plan																				
51			42d	21-Jun-16	01-Aug-16	36d	30-Sep-16 A	23-Dec-16		130d	-144d										
52	OP100160	IC checks & comments on All System Commissioning Plan	14d	21-Jun-16	04-Jul-16	0d	30-Sep-16 A	11-Nov-16 A	100%		-130d								IC checks & comments on All System Commissioning Plan		
53	OP100170	Revise & resubmit All System Commissioning Plan	7d	05-Jul-16	11-Jul-16	15d	12-Nov-16 A	02-Dec-16	0%	130d	-144d								Revise & resubmit All System Commissioning Plan		
54	OP100180	IC checks & certifies All System Commissioning Plan	7d	12-Jul-16	18-Jul-16	7d	03-Dec-16	09-Dec-16	0%	130d	-144d								IC checks & certifies All System Commissioning Plan		
55	OP100190	Employer Consents to All System Commissioning Plan	0d		01-Aug-16	0d		23-Dec-16	0%	130d	-144d								◆ Employer Consents to All System Commissioning Plan		
56	Process Start Up Plan																				
57			42d	06-Aug-16	16-Sep-16	36d	30-Sep-16 A	23-Dec-16		30d	-98d										
58	OP100210	IC checks & comments on Process Start up Plan	14d	06-Aug-16	19-Aug-16	0d	30-Sep-16 A	11-Nov-16 A	100%		-84d								IC checks & comments on Process Start up Plan		

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017				
												Nov	Dec	Jan	Feb	Jan	Feb	Mar	Apr	
59	OP100220	Revise & resubmit Process Start up Plan	7d	20-Aug-16	26-Aug-16	15d	12-Nov-16 A	02-Dec-16	0%	30d	-98d									
60	OP100230	IC checks & certifies Process Start up Plan	7d	27-Aug-16	02-Sep-16	7d	03-Dec-16	09-Dec-16	0%	30d	-98d									
61	OP100240	Employer Consents to Process Start up Plan	0d		16-Sep-16	0d		23-Dec-16	0%	30d	-98d									
62	Process Commissioning Plan			42d	08-Oct-16	18-Nov-16	36d	30-Sep-16 A	23-Dec-16		136d	-35d								
63			42d	08-Oct-16	18-Nov-16	36d	30-Sep-16 A	23-Dec-16		136d	-35d									
64	OP100260	IC checks & comments on Process Commissioning Plan	14d	08-Oct-16	21-Oct-16	0d	30-Sep-16 A	11-Nov-16 A	100%		-21d									
65	OP100270	Revise & resubmit Process Commissioning Plan	7d	22-Oct-16	28-Oct-16	15d	12-Nov-16 A	02-Dec-16	0%	136d	-35d									
66	OP100280	IC checks & certifies Process Commissioning Plan	7d	29-Oct-16	04-Nov-16	7d	03-Dec-16	09-Dec-16	0%	136d	-35d									
67	OP100290	Employer Consents to Process Commissioning Plan	0d		18-Nov-16	0d		23-Dec-16	0%	136d	-35d									
68	Operation Plan			36d	21-Jun-16	02-Aug-16	34d	06-Dec-16	17-Jan-17		162d	-138d								
69			36d	21-Jun-16	02-Aug-16	34d	06-Dec-16	17-Jan-17		162d	-138d									
70	OP100300	Submission of Operation Plan	1d	21-Jun-16	21-Jun-16	1d	06-Dec-16*	06-Dec-16	0%	133d	-117d									
71	OP100310	IC checks & comments on Operation Plan	14d	22-Jun-16	05-Jul-16	14d	07-Dec-16	20-Dec-16	0%	202d	-168d									
72	OP100320	Revise & resubmit Operation Plan	7d	06-Jul-16	12-Jul-16	7d	21-Dec-16	27-Dec-16	0%	202d	-168d									
73	OP100330	IC checks & certifies Operation Plan	7d	13-Jul-16	19-Jul-16	7d	28-Dec-16	03-Jan-17	0%	202d	-168d									
74	OP100340	Employer Consents to Operation Plan	0d		02-Aug-16	0d		17-Jan-17	0%	202d	-168d									
75	Plant Commissioning Plan			42d	12-Nov-16	23-Dec-16	36d	30-Sep-16 A	23-Dec-16		136d	0d								
76			42d	12-Nov-16	23-Dec-16	36d	30-Sep-16 A	23-Dec-16		136d	0d									
77	OP100360	IC checks & comments on Plant Commissioning Plan	14d	12-Nov-16	25-Nov-16	0d	30-Sep-16 A	11-Nov-16 A	100%		14d									
78	OP100370	Revise & resubmit Plant Commissioning Plan	7d	26-Nov-16	02-Dec-16	15d	12-Nov-16 A	02-Dec-16	0%	136d	0d									
79	OP100380	IC checks & certifies Plant Commissioning Plan	7d	03-Dec-16	09-Dec-16	7d	03-Dec-16	09-Dec-16	0%	136d	0d									
80	OP100390	Employer Consents to Plant Commissioning Plan	0d		23-Dec-16	0d		23-Dec-16	0%	136d	0d									
81	COMMENCEMENT, SITE POSSESSION AND ACCESS			0d	07-Oct-16	07-Oct-16	146d	21-Mar-16 A	20-May-17		185d	-180d								
82			0d	07-Oct-16	07-Oct-16	146d	21-Mar-16 A	20-May-17		185d	-180d									
83			0d	07-Oct-16	07-Oct-16	146d	21-Mar-16 A	20-May-17		185d	-180d									
84			0d	07-Oct-16	07-Oct-16	146d	21-Mar-16 A	20-May-17		185d	-180d									
85	KD100330	End Date of Access to Portion 2	0d		07-Oct-16	0d		13-Jan-17	0%	146d	-80d									
86	KD100370	Possession of Portion 4 - Ex-Ka Wah Batching Plant Area)	0d			184d	21-Mar-16 A	20-May-17	49.59%	225d										
87	SITE ESTABLISHMENT WORKS			24d	20-Jul-15	15-Aug-15	0d	27-Jun-15 A	19-Oct-16 A		-349d									
88			24d	20-Jul-15	15-Aug-15	0d	27-Jun-15 A	19-Oct-16 A		-349d										
89			24d	20-Jul-15	15-Aug-15	0d	27-Jun-15 A	19-Oct-16 A		-349d										
90			24d	20-Jul-15	15-Aug-15	0d	27-Jun-15 A	19-Oct-16 A		-349d										
91	SE100320	Submit Tree preservation, transplanting and felling proposal to LandsD and EPD (Natural Terrain - thru' ER)	24d	20-Jul-15	15-Aug-15	0d	27-Jun-15 A	19-Oct-16 A	100%		-349d									
92	DETAILED DESIGN SUBMISSION (DDS) - GENERAL, CIVIL, ABWF AND LAND			222d	28-May-15	23-Feb-16	72d	28-Mar-15 A	16-Feb-17		259d	-291d								
93	Overall Design			203d	18-Jun-15	23-Feb-16	52d	28-Mar-15 A	20-Jan-17		279d	-271d								
94	General Building Plans Design			34d	18-Jun-15	30-Jul-15	33d	09-Dec-16	20-Jan-17		279d	-440d								
95			34d	18-Jun-15	30-Jul-15	33d	09-Dec-16	20-Jan-17		279d	-440d									
96	DD101040	Submit General Building Plans to IC, ER & Employer	0d		18-Jun-15	0d		09-Dec-16*	0%	-5d	-369d									
97	DD101060	IC checks & comments on General Building Plans	14d	19-Jun-15	02-Jul-15	14d	10-Dec-16	23-Dec-16	0%	-6d	-540d									
98	DD101080	Revise & resubmit General Building Plans to IC, ER & Employer	7d	03-Jul-15	09-Jul-15	7d	24-Dec-16	30-Dec-16	0%	-6d	-540d									
99	DD101100	IC checks & certifies General Building Plans	7d	10-Jul-15	16-Jul-15	7d	31-Dec-16	06-Jan-17	0%	-6d	-540d									
100	DD101120	Employer consents to General Building Plans	0d		30-Jul-15	0d		20-Jan-17	0%	345d	-540d									
101	Fire Safety Strategy Report			28d	15-Jul-15	11-Aug-15	64d	28-Mar-15 A	20-Jan-17		345d	-528d								
102			28d	15-Jul-15	11-Aug-15	64d	28-Mar-15 A	20-Jan-17		345d	-528d									
103	DD102220	Revise & resubmit Detailed Design of Fire Safety Strategy Report to IC, ER & Employer	7d	15-Jul-15	21-Jul-15	22d	28-Mar-15 A	09-Dec-16	60%	-5d	-507d									
104	DD102240	IC checks & certifies Detailed Design of Fire Safety Strategy Report	7d	22-Jul-15	28-Jul-15	7d	10-Dec-16	16-Dec-16	0%	-5d	-507d									
105	DD102260	Employer consents to Detailed Design of Fire Safety Strategy Report	0d		11-Aug-15	0d		20-Jan-17	0%	345d	-528d									
106	Geotechnical Design including Natural Terrain Hazard Mitigation works			64d	04-Dec-15	23-Feb-16	43d	23-Nov-16	16-Jan-17		7d	-267d								
107	Natural Terrain Hazard Mitigation			64d	04-Dec-15	23-Feb-16	43d	23-Nov-16	16-Jan-17		7d	-267d								
108	DD101330	Prepare & submit NTH Mitigation Method of Construction	20d	04-Dec-15	04-Jan-16	20d	24-Nov-16	21-Dec-16	0%	11d	-241d									
109	DD101335	IC checks & certifies Method of Construction of NTH Mitigation Design	14d	05-Jan-16	18-Jan-16	14d	22-Dec-16	04-Jan-17	0%	20d	-352d									
110	DD101340	GEO - Approval of NTH Mitigation Design	0d		04-Jan-16	0d		23-Nov-16*	0%	-25d	-221d									
111	DD101360	Submit NTH Mitigation Design to IC, ER & Employer	0d		05-Jan-16	0d		28-Nov-16*	0%	-27d	-223d									
112	DD101380	IC checks & comments on NTH Mitigation Design	14d	06-Jan-16	19-Jan-16	14d	29-Nov-16	12-Dec-16	0%	8d	-328d									
113	DD101400	Revise & resubmit NTH Mitigation Design to IC, Employer & ER	7d	20-Jan-16	26-Jan-16	7d	13-Dec-16	19-Dec-16	0%	8d	-328d									
114	DD101420	IC checks & certifies NTH Mitigation Design	14d	27-Jan-16	09-Feb-16	14d	20-Dec-16	02-Jan-17	0%	8d	-328d									
115	DD101440	Employer consents to NTH Mitigation Design	0d		23-Feb-16	0d		16-Jan-17	0%	8d	-328d									
116	Waste Receiving, Pre-treatment & Administration Building #1			66d	10-Aug-15	28-Oct-15	39d	18-Nov-16	05-Jan-17		6d	-353d								
117	Steelwork Design			66d	10-Aug-15	28-Oct-15	39d	18-Nov-16	05-Jan-17		6d	-353d								

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017				
												Nov	Dec	Jan	Feb	Nov	Dec	Jan	Feb	
118		Building #1 Roof Steel Structure	41d	10-Aug-15	25-Sep-15	39d	18-Nov-16	05-Jan-17		-34d	-378d									
119	DD111210	Prepare & submit Method of Construction for Bldg #1 Roof - Structural Steelwork	25d	10-Aug-15	11-Sep-15	25d	18-Nov-16	22-Dec-16	0%	-31d	-318d									
120	DD111215	IC checks & certifies Method of Construction of Bldg #1 Roof - Structural Steelwork	14d	12-Sep-15	25-Sep-15	14d	23-Dec-16	05-Jan-17	0%	-43d	-468d									
121		CAPC Stack	36d	14-Sep-15	28-Oct-15	35d	18-Nov-16	30-Dec-16		10d	-349d									
122	DD311310	Prepare & submit Method of Construction for CAPC Stack - Steel Support	21d	14-Sep-15	14-Oct-15	21d	18-Nov-16	16-Dec-16	0%	7d	-293d									
123	DD311315	IC checks & certifies Method of Construction of CAPC Stack - Steel Support	14d	15-Oct-15	28-Oct-15	14d	17-Dec-16	30-Dec-16	0%	13d	-429d									
124		Composting & Maturation Building #2	36d	20-Aug-15	02-Oct-15	36d	18-Nov-16	02-Jan-17		295d	-371d									
125		Steelwork Design	36d	20-Aug-15	02-Oct-15	36d	18-Nov-16	02-Jan-17		295d	-371d									
126		Link Bridge Steelwork	36d	20-Aug-15	02-Oct-15	36d	18-Nov-16	02-Jan-17		295d	-371d									
127	DD211210	Prepare & submit Method of Construction for Bldg #2 Link Bridge Steelwork	22d	20-Aug-15	18-Sep-15	22d	18-Nov-16	19-Dec-16	0%	246d	-310d									
128	DD211215	IC checks & certifies Method of Construction of Link Bridge Steelwork Design of Bldg #2	14d	19-Sep-15	02-Oct-15	14d	20-Dec-16	02-Jan-17	0%	363d	-458d									
129		Auxiliary Buildings & Facilities #3	0d			35d	18-Nov-16	30-Dec-16		5d										
130		Substructure Design	0d			34d	18-Nov-16	29-Dec-16		-34d										
131		Weighbridge	0d			34d	18-Nov-16	29-Dec-16		-34d										
132	DD311400	Prepare & submit Method of Construction for Substructure of Weighbridge	0d			20d	18-Nov-16	15-Dec-16	0%	-30d										
133	DD311402	IC checks & certifies Method of Construction for Substructure of Weighbridge	0d			14d	16-Dec-16	29-Dec-16	0%	-42d										
134		Superstructure Design	0d			35d	18-Nov-16	30-Dec-16		5d										
135		Weighbridge	0d			35d	18-Nov-16	30-Dec-16		5d										
136	DD311700	Prepare & submit Method of Construction for Superstructure of Weighbridge	0d			21d	18-Nov-16	16-Dec-16	0%	5d										
137	DD311710	IC checks & certifies Method of Construction of Superstructure Design of Weighbridge	0d			14d	17-Dec-16	30-Dec-16	0%	7d										
138		Gate House	0d			35d	18-Nov-16	30-Dec-16		-25d										
139	DD311900	Prepare & submit Method of Construction for Superstructure of Gate House	0d			21d	18-Nov-16	16-Dec-16	0%	-23d										
140	DD311910	IC checks & certifies Method of Construction of Superstructure Design of Gate House	0d			14d	17-Dec-16	30-Dec-16	0%	-31d										
141		External Civil Engineering Works	159d	28-May-15	04-Dec-15	63d	14-Sep-15 A	06-Feb-17		268d	-345d									
142		Section 3- Street Fire Hydrant and Section 4- Water Supply	35d	28-May-15	09-Jul-15	35d	18-Nov-16	30-Dec-16		-30d	-441d									
143			35d	28-May-15	09-Jul-15	35d	18-Nov-16	30-Dec-16		-30d	-441d									
144	DD411130	Prepare & submit Method of Construction for External Works (Section 3 & 4)	21d	28-May-15	25-Jun-15	21d	18-Nov-16	16-Dec-16	0%	-27d	-369d									
145	DD411135	IC checks & certifies Method of Construction of External Works (Section 3 & 4)	14d	26-Jun-15	09-Jul-15	14d	17-Dec-16	30-Dec-16	0%	-37d	-540d									
146		Section 5- Road, Paving, Road Marking	0d			39d	18-Nov-16	05-Jan-17		-49d										
147			0d			39d	18-Nov-16	05-Jan-17		-49d										
148	DD411480	Prepare & submit Method of Construction for External Works (Section 5)	0d			25d	18-Nov-16	22-Dec-16	0%	-44d										
149	DD411500	IC checks & certifies Method of Construction of External Works (Section 5)	0d			14d	23-Dec-16	05-Jan-17	0%	-60d										
150		Section 6- Ext. Lighting (Area 3 - Electrical)	109d	28-Jul-15	04-Dec-15	63d	14-Sep-15 A	06-Feb-17		268d	-345d									
151			109d	28-Jul-15	04-Dec-15	63d	14-Sep-15 A	06-Feb-17		268d	-345d									
152	DD411240	Prepare & submit Detailed Civil Design of external works (Section 6) to Hyd & TD	43d	28-Jul-15	24-Sep-15	26d	14-Sep-15 A	23-Dec-16	39.53%	224d	-310d									
153	DD411250	Prepare & submit Method of Construction for External Works (Section 6)	25d	16-Sep-15	23-Oct-15	25d	15-Dec-16	23-Jan-17	0%	224d	-310d									
154	DD411255	IC checks & certifies Method of Construction of External Works (Section 6)	14d	24-Oct-15	06-Nov-15	14d	24-Jan-17	06-Feb-17	0%	328d	-458d									
155	DD411320	IC checks & certifies Detailed Civil Design of External Works (Section 6)	7d	14-Nov-15	20-Nov-15	22d	09-Sep-16 A	09-Dec-16	0%	-60d	-385d									
156	DD411340	Employer consents to Detailed Civil Design of External Works (Section 6)	0d		04-Dec-15	0d		23-Dec-16	0%	-60d	-385d									
157		Architectural, Building Works & Finishes (ABWF)	51d	28-Jul-15	24-Sep-15	39d	18-Feb-16 A	05-Jan-17		291d	-379d									
158		Building #1 (Waste Receiving, Pre-treatment & Admin. Building)	42d	28-Jul-15	14-Sep-15	39d	18-Nov-16	05-Jan-17		-48d	-388d									
159			42d	28-Jul-15	14-Sep-15	39d	18-Nov-16	05-Jan-17		-48d	-388d									
160	DD120110	Prepare & submit Method of Construction for Bldg.#1 ABWF	25d	28-Jul-15	31-Aug-15	25d	18-Nov-16	22-Dec-16	0%	-43d	-327d									
161	DD120115	IC checks & certifies Method of Construction of Bldg.#1 ABWF	14d	01-Sep-15	14-Sep-15	14d	23-Dec-16	05-Jan-17	0%	-59d	-479d									
162		Building #2 (Composting & Maturation Building)	42d	28-Jul-15	14-Sep-15	0d	18-Feb-16 A	02-Nov-16 A		-336d										
163			42d	28-Jul-15	14-Sep-15	0d	18-Feb-16 A	02-Nov-16 A		-336d										
164	DD121110	Prepare & submit Method of Construction for Bldg.#2 ABWF	25d	28-Jul-15	31-Aug-15	0d	18-Feb-16 A	17-Oct-16 A	100%		-279d									
165	DD121115	IC checks & certifies Method of Construction of Bldg.#2 ABWF	14d	01-Sep-15	14-Sep-15	0d	06-May-16 A	02-Nov-16 A	100%		-415d									
166		Building #3 (Auxiliary Buildings & Facilities)	42d	07-Aug-15	24-Sep-15	30d	15-Aug-16 A	22-Dec-16		300d	-370d									
167			42d	07-Aug-15	24-Sep-15	30d	15-Aug-16 A	22-Dec-16		300d	-370d									
168	DD122110	Prepare & submit Method of Construction for Bldg.#3 ABWF	25d	07-Aug-15	10-Sep-15	15d	15-Aug-16 A	08-Dec-16	40%	261d	-309d									
169	DD122115	IC checks & certifies Method of Construction of Bldg.#3 ABWF	14d	11-Sep-15	24-Sep-15	35d	15-Sep-16 A	22-Dec-16	10.26%	8d	-455d									
170		Interior Fitting-out Works	42d	15-Sep-15	05-Nov-15	39d	18-Nov-16	05-Jan-17		43d	-346d									
171			42d	15-Sep-15	05-Nov-15	39d	18-Nov-16	05-Jan-17		43d	-346d									
172			42d	15-Sep-15	05-Nov-15	39d	18-Nov-16	05-Jan-17		43d	-346d									
173	DD120210	Prepare & submit Method of Construction for Interior Fitting-out	25d	15-Sep-15	22-Oct-15	25d	18-Nov-16	22-Dec-16	0%	33d	-292d									
174	DD120215	IC checks & certifies Method of Construction of Interior Fitting-out	14d	23-Oct-15	05-Nov-15	14d	23-Dec-16	05-Jan-17	0%	54d	-427d									
175		External Landscape Works and Building #2 Green Roof	71d	06-Aug-15	30-Oct-15	72d	18-Nov-16	16-Feb-17		-35d	-384d									
176			71d	06-Aug-15	30-Oct-15	72d	18-Nov-16	16-Feb-17		-35d	-384d									
177			71d	06-Aug-15	30-Oct-15	72d	18-Nov-16	16-Feb-17		-35d	-384d									

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017				
												Nov	Dec	Jan	Feb	Nov	Dec	Jan	Feb	
178	DD410210	Prepare & submit Method of Construction for Landscape and Building #2 Green Roof	50d	06-Aug-15	16-Oct-15	50d	18-Nov-16	02-Feb-17	0%	-27d	-320d									
179	DD410215	IC checks & certifies Method of Construction of Landscape and Building #2 Green Roof	14d	17-Oct-15	30-Oct-15	14d	03-Feb-17	16-Feb-17	0%	-44d	-475d								Prepare & submit Methc	
180	DETAILED DESIGN SUBMISSION (DDS) - ELECTRICAL AND MECHANICAL																			
181	Electrical System and Accessories - Switchgear, LCP, Cable, Earthing, etc.																			
182	High Voltage (HV)																			
183			0d			59d	12-Oct-16 A	15-Jan-17			-50d									
184	DE201200	IC checks & certifies HV Electrical System	0d			15d	12-Oct-16 A	02-Dec-16	0%	-20d										
185	DE201250	Employer consents to HV Electrical System	0d			0d		15-Jan-17	0%	-50d								◆ Employer consents to HV Electrical System		
186	Low Voltage (LV) and Emergency Generator																			
187			128d	14-May-15	16-Oct-15	52d	02-May-15 A	20-Jan-17		279d	-375d									
188	DE200400	Employer consents to Electrical System Equipment	0d		14-May-15	0d		19-Oct-16 A	100%		-523d							◆ Employer consents to Electrical System Equipment		
189	DE200450	Prepare & submit Detailed Design of Electrical System to IC, ER & Employer	37d	02-Jul-15	21-Aug-15	19d	02-May-15 A	14-Dec-16	82%	7d	-327d								Prepare & submit Detailed Design of Electrical System to IC, ER & Employer	
190	DE200500	IC checks & comments on Detailed Design of Electrical System	14d	22-Aug-15	04-Sep-15	36d	13-May-15 A	23-Dec-16	78%	373d	-476d								IC checks & comments on Detailed Design of Electrical System	
191	DE200550	Revise & resubmit Detailed Design of Electrical System to IC, Employer & ER	7d	05-Sep-15	11-Sep-15	43d	10-Jul-15 A	30-Dec-16	73%	366d	-476d								Revise & resubmit Detailed Design of Electrical System to IC, Employer & ER	
192	DE200600	IC checks & certifies Electrical System	7d	12-Sep-15	18-Sep-15	50d	15-Jul-15 A	06-Jan-17	70%	-30d	-476d								IC checks & certifies Electrical System	
193	DE200650	Employer consents to Electrical System	0d		16-Oct-15	0d		20-Jan-17	0%	-30d	-462d							◆ Employer consents to Electrical System		
194	Extra Low Voltage (ELV)																			
195			0d			28d	05-Jul-16 A	15-Dec-16			-5d									
196	DS140500	Revise & resubmit ELV System Detailed Design to IC, Employer & ER	0d			0d	05-Jul-16 A	17-Nov-16 A	100%		-5d								Revise & resubmit ELV System Detailed Design to IC, Employer & ER	
197	DS140550	IC checks & certifies ELV System	0d			14d	18-Nov-16	01-Dec-16	0%	-5d									IC checks & certifies ELV System	
198	DS140600	Employer consents to ELV System	0d			0d		15-Dec-16	0%	-5d								◆ Employer consents to ELV System		
199	Instrumentation, Control and Monitoring System (SCADA/PLC)																			
200			0d	20-Oct-15	20-Oct-15	73d	01-Dec-15 A	17-Feb-17			-27d									
201			0d	20-Oct-15	20-Oct-15	73d	01-Dec-15 A	17-Feb-17			-393d									
202	DE210650	Employer consents to SCADA/PLC System (Batch 1)	0d		20-Oct-15	0d		19-Oct-16 A	100%		-365d							◆ Employer consents to SCADA/PLC System (Batch 1)		
203	DE210680	Revise & resubmit Detailed Design of SCADA/PLC System to IC, Employer & ER (Batch 2) (2nd)	0d			0d	14-Jan-16 A	14-Nov-16 A	100%										Revise & resubmit Detailed Design of SCADA/PLC System to IC, Employer & ER (Batch 2) (2nd)	
204	DE210690	IC checks & comments on Detailed Design of SCADA/PLC System (Batch 2) (2nd)	0d			29d	15-Nov-16 A	16-Dec-16	75%	-22d									IC checks & comments on Detailed Design of SCADA/PLC System (Batch 2) (2nd)	
205	DE210700	Revise & resubmit Detailed Design of SCADA/PLC System to IC, Employer & ER (Batch 2) (3rd)	0d			29d	17-Dec-16	14-Jan-17	0%	-22d									Revise & resubmit Detailed Design of SCADA/PLC System	
206	DE210710	IC checks & certifies SCADA/PLC System (Batch 2) (3rd)	0d			7d	15-Jan-17	21-Jan-17	0%	-22d									IC checks & certifies SCADA/PLC System (Batch 2) (3rd)	
207	DE210720	Employer consents to SCADA/PLC System (Batch 2)	0d			0d		04-Feb-17	0%	-22d								◆ Employer consents to SCADA/PLC System (Batch 2)		
208	DE210730	Prepare & submit Detailed Design of SCADA/PLC to IC, ER & Employer (Batch 3) (1st)	0d			21d	01-Dec-15 A	16-Dec-16	60%	-25d									Prepare & submit Detailed Design of SCADA/PLC to IC, ER & Employer (Batch 3) (1st)	
209	DE210740	IC checks & comments on Detailed Design of SCADA/PLC System (Batch 3) (1st)	0d			14d	17-Dec-16	30-Dec-16	0%	-35d									IC checks & comments on Detailed Design of SCADA/PLC System (Batch 3) (1st)	
210	DE210750	Revise & resubmit Detailed Design of SCADA/PLC System to IC, Employer & ER (Batch 3) (2nd)	0d			7d	31-Dec-16	06-Jan-17	0%	-35d									Revise & resubmit Detailed Design of SCADA/PLC System to IC, Employer & ER (Batch 3) (2nd)	
211	DE210760	IC checks & comments on Detailed Design of SCADA/PLC System (Batch 3) (2nd)	0d			14d	07-Jan-17	20-Jan-17	0%	-35d									IC checks & comments on Detailed Design of SCADA/PLC System (Batch 3) (2nd)	
212	DE210770	Revise & resubmit Detailed Design of SCADA/PLC System to IC, Employer & ER (Batch 3) (3rd)	0d			7d	21-Jan-17	27-Jan-17	0%	-35d									Revise & resubmit Detailed Design of SCADA/PLC System to IC, Employer & ER (Batch 3) (3rd)	
213	DE210780	IC checks & certifies SCADA/PLC System (Batch 3) (3rd)	0d			7d	28-Jan-17	03-Feb-17	0%	-35d									IC checks & certifies SCADA/PLC System (Batch 3) (3rd)	
214	DE210790	Employer consents to SCADA/PLC System (Batch 3)	0d			0d		17-Feb-17	0%	-35d									Employer consents to SCADA/PLC System (Batch 3)	
215	DETAILED DESIGN SUBMISSION (DDS) - BUILDING SERVICES																			
216	Fire Services Installations (FSI)																			
217			33d	09-Sep-15	21-Oct-15	35d	09-Dec-16	23-Jan-17			-19d									
218			33d	09-Sep-15	21-Oct-15	35d	09-Dec-16	23-Jan-17			-374d									
219	DS110250	Submit Fire Safety, Dangerous Goods & FSI Detailed Design to IC, ER & Employer	0d		09-Sep-15	0d		09-Dec-16*	0%	-16d	-311d							◆ Submit Fire Safety, Dangerous Goods & FSI Detailed Design to IC, ER & Employer		
220	DS110300	IC checks & comments on Fire Safety, Dangerous Goods & FSI Detailed Design	14d	10-Sep-15	23-Sep-15	14d	13-Dec-16	26-Dec-16	0%	-24d	-460d								IC checks & comments on Fire Safety, Dangerous Goods & FSI Detailed Design	
221	DS110350	Revise & resubmit Fire Safety, Dangerous Goods & FSI Detailed Design to IC, Employer & ER	7d	24-Sep-15	30-Sep-15	7d	27-Dec-16	02-Jan-17	0%	-24d	-460d								Revise & resubmit Fire Safety, Dangerous Goods & FSI Detailed Design to IC, Employer & ER	
222	DS110400	IC checks & certifies Fire Safety, Dangerous Goods & FSI Detailed Design	7d	01-Oct-15	07-Oct-15	7d	03-Jan-17	09-Jan-17	0%	-24d	-460d								IC checks & certifies Fire Safety, Dangerous Goods & FSI Detailed Design	
223	DS110450	Employer consents to Fire Safety, Dangerous Goods & FSI Detailed Design	0d		21-Oct-15	0d		23-Jan-17	0%	-24d	-460d							◆ Employer consents to Fire Safety, Dangerous Goods & FSI Detailed Design		
224	Waste Receiving, Pre-treatment & Administration Bldg #1																			
225	BS - Electrical																			
226			0d			44d	28-Jul-15 A	31-Dec-16			-51d									
227	DS120206	IC checks & certifies Bldg #1 BS Electrical System DDS (incl. Re-submissions)	0d			30d	28-Jul-15 A	17-Dec-16	0%	-51d									IC checks & certifies Bldg #1 BS Electrical System DDS (incl. Re-submissions)	
228	DS120208	Employer consents to Bldg #1 BS Electrical System DDS	0d			0d		31-Dec-16	0%	-51d								◆ Employer consents to Bldg #1 BS Electrical System DDS		
229	Composting & Maturation Building #2																			
230	BS - Electrical																			
231			0d			39d	15-Jul-15 A	26-Dec-16			-46d									
232	DS130206	IC checks & certifies Bldg #2 BS Electrical System DDS (incl. Re-submissions)	0d			25d	15-Jul-15 A	12-Dec-16	80%	-46d									IC checks & certifies Bldg #2 BS Electrical System DDS (incl. Re-submissions)	
233	DS130208	Employer consents to Bldg #2 BS Electrical System DDS	0d			0d		26-Dec-16	0%	-46d								◆ Employer consents to Bldg #2 BS Electrical System DDS		

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017					
												Nov	Dec	Jan	Feb	Nov	Dec	Jan	Feb		
234	Auxiliary Building & Facilities #3																				
235	BS - MVAC																				
236			21d	15-Oct-15	04-Nov-15	20d	12-Jul-16 A	07-Dec-16		23d	-399d										
237	DS140350	IC checks & certifies Bldg #3 & Aux. Facilities BS MVAC System	7d	15-Oct-15	21-Oct-15	6d	12-Jul-16 A	23-Nov-16	10%	23d	-399d										
238	DS140400	Employer consents to Bldg #3 & Aux. Facilities BS MVAC System	0d		04-Nov-15	0d		07-Dec-16	0%	23d	-399d										
239	STATUTORY AND UTILITIES DESIGN SUBMISSION																				
240			142d	16-Aug-15	04-Jan-16	59d	30-Nov-15 A	15-Jan-17		46d	-377d										
241			142d	16-Aug-15	04-Jan-16	59d	30-Nov-15 A	15-Jan-17		46d	-377d										
242			142d	16-Aug-15	04-Jan-16	59d	30-Nov-15 A	15-Jan-17		46d	-377d										
243	SU110270	GEO - Approval of NTH Mitigation Design	28d	08-Dec-15	04-Jan-16	6d	04-Jun-16 A	23-Nov-16	78.57%	-35d	-324d										
244	SU110355	CLP - Approval of "Engineering Design Report for PMU Protection Scheme"	0d			5d	26-Jul-16 A	22-Nov-16	86.49%	-8d											
245	SU110360	CLP - Approval of Submission Package on Grid Arrangement	28d	19-Sep-15	16-Oct-15	59d	30-Nov-15 A	15-Jan-17	75%	-50d	-457d										
246	SU110460	WSD - Approval for Street Fire Hydrant Water Supply	0d			28d	01-Dec-16*	28-Dec-16	0%	-41d											
247	SU110470	WSD - Approval for Process Water Supply	0d			28d	01-Dec-16*	28-Dec-16	0%	-48d											
248	SU110660	LandsD & EPD - Approval of Tree preservation, transplanting and felling proposals (Natural Terrain - if any)	70d	16-Aug-15	24-Oct-15	15d	20-Oct-16 A	02-Dec-16	78.57%	90d	-405d										
249	CONSTRUCTION DRAWINGS AND PRODUCTION SCHEDULES																				
250	Bill of Materials and Isometric Production Schedule																				
251	General																				
252			0d			28d	16-Nov-15 A	20-Dec-16		-10d											
253	BM100170	DE Support and Drawing Checking	0d			28d	16-Nov-15 A	20-Dec-16	91%	-10d											
254	3D Model Build																				
255			0d			13d	01-Sep-16 A	02-Dec-16		318d											
256	BM200140	3D Model Build - Wastewater Treatment Plant (WWTP)	0d			13d	01-Sep-16 A	02-Dec-16	77.19%	318d											
257	Assembly Drawing																				
258			0d			18d	18-Apr-16 A	08-Dec-16		313d											
259	BM300115	Updated Assembly Drawing - Building 1 Area	0d			7d	14-May-16 A	25-Nov-16	63%	324d											
260	BM300135	Updated Assembly Drawing - Building 3 Area	0d			0d	14-May-16 A	21-Oct-16 A	100%												
261	BM300140	Assembly Drawing - Drawing Update (After Comments by IC & ER)	0d			18d	18-Apr-16 A	08-Dec-16	76%	-25d											
262	Isometric Drawing and BOQ																				
263			0d			18d	25-Apr-16 A	08-Dec-16		8d											
264	BM400115	Updated Isometric Drawing and BOQ - Building 1 Area	0d			7d	14-May-16 A	25-Nov-16	68%	8d											
265	BM400135	Updated Isometric Drawing and BOQ - Building 3 Area	0d			0d	28-May-16 A	21-Oct-16 A	100%												
266	BM400140	Isometric Drawing Drawing Update (After Comments by IC & ER)	0d			18d	25-Apr-16 A	08-Dec-16	68%	-25d											
267	BM400150	Isometric Drawing and BOQ - Wastewater Treatment Plant (WWTP)	0d			13d	01-Sep-16 A	02-Dec-16	69.05%	13d											
268	PROCUREMENT, MANUFACTURING, F.A.T., SHIPMENT AND DELIVERY OF E																				
269	Waste Receiving, Storage and Feeding System																				
270	General																				
271			215d	09-Mar-15	18-Jan-16	50d	20-Mar-15 A	02-Feb-17		226d	-257d										
272	PR110110	Issue orders & receive shop drawings from Waste Receiving, Storage and Feeding System suppliers	20d	09-Mar-15	08-Apr-15	8d	20-Mar-15 A	29-Nov-16	95%	268d	-410d										
273	PR200100	Weighbridge Platform	103d	09-Jul-15	03-Dec-15	21d	04-Dec-15 A	16-Dec-16	96%	20d	-258d										
274	PR200120	Weighbridge Computer System	61d	22-Oct-15	18-Jan-16	21d	04-Dec-15 A	16-Dec-16	96%	37d	-228d										
275	PR210105	Bin Handling Machine 1	0d			21d	31-May-16 A	16-Dec-16	92%	47d											
276	PR210108	Bin Handling Machine 2	0d			21d	08-Jul-16 A	16-Dec-16	86%	48d											
277	PR210110	High Jet Water Spray Gun System	0d			22d	29-Nov-16*	30-Dec-16	0%	12d											
278	PR210130	Vehicle Wash Plant 5th Bay	0d			45d	25-Nov-16*	02-Feb-17	0%	4d											
279	Pre-Treatment System																				
280	General																				
281			205d	19-Mar-15	14-Jan-16	56d	30-Jun-15 A	10-Feb-17		220d	-265d										
282	PR110100	Issue orders & receive shop drawings from Pre-treatment suppliers	20d	19-Mar-15	20-Apr-15	10d	30-Jun-15 A	01-Dec-16	97%	266d	-404d										
283	PR110202	Screw Conveyors	0d			11d	21-Mar-16 A	02-Dec-16	96%	8d											
284	PR110205	Metal Separator	0d			19d	16-Jul-16 A	14-Dec-16	90%	10d											
285	PR110240	Central Sump Pump	64d	09-Oct-15	11-Jan-16	0d	21-Mar-16 A	28-Oct-16 A	100%	-198d											
286	PR110260	Overhead Travelling Crane	123d	21-Jul-15	14-Jan-16	16d	16-Jul-16 A	09-Dec-16	89%	-10d	-225d										
287	PR110270	Monorail	0d			21d	16-Jul-16 A	16-Dec-16	88%	-10d											
288	PR110360	Bollfilter	0d			1d	05-Feb-16 A	18-Nov-16	100%	46d											
289	PR110380	Centrifugal Pumps	0d			3d	21-Mar-16 A	22-Nov-16	99%	45d											
290	PR110395	Int. Suspension Buffer Tank Jet Mixer	0d			3d	13-Feb-16 A	22-Nov-16	99%	44d											
291	PR110400	Vertical Mixer	0d			29d	29-Jul-16 A	30-Dec-16	66%	5d											
292	PR110420	Belt Conveyor	0d			19d	16-Jul-16 A	14-Dec-16	82%	7d											

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017				
												Nov	Dec	Jan	Feb	Nov	Dec	Jan	Feb	
293	PR110440	Platform (Pre-treatment)	0d			28d	09-Dec-16*	20-Jan-17	0%	-10d										
294	PR110460	Control Panels (Pre-treatment)	0d			56d	08-Sep-16A	10-Feb-17	25%	-19d										
295	Anaerobic Digestion (AD) Treatment System		191d	20-Apr-15	21-Jan-16	41d	15-Apr-15 A	18-Jan-17		235d	-245d									
296	General		191d	20-Apr-15	21-Jan-16	41d	15-Apr-15 A	18-Jan-17		235d	-245d									
297	General		191d	20-Apr-15	21-Jan-16	41d	15-Apr-15 A	18-Jan-17		235d	-245d									
298	PR120100	Issue orders & receive shop drawings from AD suppliers	20d	20-Apr-15	18-May-15	1d	15-Apr-15 A	18-Nov-16	99%	275d	-376d									
299	PR120150	Safety Relief Valve	0d			19d	27-Jun-16 A	14-Dec-16	88%	14d										
300	PR120170	Hot Water Pumps	0d			9d	13-Jun-16 A	30-Nov-16	90%	28d										
301	PR120190	Overflow Tank	0d			41d	18-Nov-16*	18-Jan-17	0%	-14d										
302	PR120200	Intermediate Digestate Tanks	64d	22-Oct-15	21-Jan-16	27d	18-Nov-16*	28-Dec-16	0%	16d	-231d									
303	PR120220	Monorail (Suspension Buffer Pump Room)	0d			21d	11-Jul-16 A	16-Dec-16	80%	20d										
304	Biogas Cleaning, Storage and Distribution System		219d	08-Apr-15	23-Feb-16	29d	20-May-15 A	30-Dec-16		247d	-213d									
305	Biogas Cleaning and Storage System		219d	08-Apr-15	23-Feb-16	29d	20-May-15 A	30-Dec-16		247d	-213d									
306	Biogas Cleaning and Storage System		219d	08-Apr-15	23-Feb-16	29d	20-May-15 A	30-Dec-16		247d	-213d									
307	PR130100	Issue orders & receive shop drawings from Biogas suppliers	17d	08-Apr-15	30-Apr-15	8d	20-May-15 A	29-Nov-16	96%	268d	-394d									
308	PR130130	Condensate Pumps	0d			11d	13-Jul-16 A	02-Dec-16	92%	18d										
309	PR130135	Condensate Pots	0d			16d	28-Jun-16 A	09-Dec-16	88%	11d										
310	PR130140	Biogas Storage Tank Holder	64d	19-Nov-15	23-Feb-16	14d	16-Mar-16 A	07-Dec-16	92%	5d	-198d									
311	PR130150	Biogas Storage Tank Holder Steel Casing	0d			29d	16-Mar-16 A	30-Dec-16	88%	-9d										
312	Combined Heat Recovery and Power (CHP) Generation System		13d	15-Mar-15	30-Mar-15	44d	14-May-15 A	11-Jan-17		287d	-529d									
313	Combined Heat Recovery and Power (CHP) Generation System		13d	15-Mar-15	30-Mar-15	44d	14-May-15 A	11-Jan-17		287d	-529d									
314	Combined Heat Recovery and Power (CHP) Generation System		13d	15-Mar-15	30-Mar-15	44d	14-May-15 A	11-Jan-17		287d	-529d									
315	PR140100	Issue orders & receive shop drawings from CHP suppliers	16d	15-Mar-15	30-Mar-15	25d	14-May-15 A	12-Dec-16	97.2%	384d	-623d									
316	PR140170	CHP Stack (Insulation and Platform)	0d			31d	25-Nov-16*	11-Jan-17	0%	-3d										
317	Digestate Dewatering System		315d	12-Feb-15	25-May-16	29d	20-May-15 A	30-Dec-16		247d	-151d									
318	General		315d	12-Feb-15	25-May-16	29d	20-May-15 A	30-Dec-16		247d	-151d									
319	General		315d	12-Feb-15	25-May-16	29d	20-May-15 A	30-Dec-16		247d	-151d									
320	PR170110	Issue orders & receive shop drawings from Digestate Dewatering suppliers	18d	12-Feb-15	11-Mar-15	3d	20-May-15 A	22-Nov-16	99%	273d	-422d									
321	PR170170	Centrate Tank	0d			21d	18-Oct-16 A	16-Dec-16	52%	5d										
322	PR170171	Platform at Dewatering Area	0d			29d	18-Nov-16*	30-Dec-16	0%	9d										
323	PR170172	Bollfilter	0d			1d	05-Feb-16 A	18-Nov-16	100%	85d										
324	PR170174	Polymer Storage Tank	0d			29d	30-Jun-16 A	30-Dec-16	68%	16d										
325	PR170175	Centrate Discharge Pumps	0d			0d	21-Mar-16 A	28-Oct-16 A	100%											
326	PR170177	Break Tank	0d			21d	18-Nov-16*	16-Dec-16	0%	42d										
327	PR170180	Polymer Dosing System	143d	27-Oct-15	25-May-16	29d	30-Jun-16 A	30-Dec-16	78%	104d	-151d									
328	PR170210	Sieve Fine Plastic	0d			0d	26-May-16 A	04-Nov-16 A	100%											
329	PR170230	Anti-Foaming and Anti-Scalant Station	0d			29d	30-Jun-16 A	30-Dec-16	66%	46d										
330	PR170250	Monorail (Dewatering)	0d			21d	11-Jul-16 A	16-Dec-16	75%	36d										
331	Composting System (Composting Tunnel, Maturation Area and Structurant Reception)		315d	12-Feb-15	25-May-16	51d	30-Nov-15 A	03-Feb-17		221d	-173d									
332	General		315d	12-Feb-15	25-May-16	51d	30-Nov-15 A	03-Feb-17		221d	-173d									
333	General		315d	12-Feb-15	25-May-16	51d	30-Nov-15 A	03-Feb-17		221d	-173d									
334	PR170100	Issue orders & receive shop drawings from Composting suppliers	18d	12-Feb-15	11-Mar-15	0d	30-Nov-15 A	02-Nov-16 A	100%		-408d									
335	PR170140	Mixing Unit	143d	09-Sep-15	11-Apr-16	51d	20-May-16 A	03-Feb-17	72%	79d	-204d									
336	PR170190	Leachate Treatment, Pump & Sump Pump	143d	27-Oct-15	25-May-16	0d	21-Mar-16 A	28-Oct-16 A	100%		-108d									
337	PR170200	Compost Bagging Machine	103d	09-Sep-15	05-Feb-16	12d	19-Sep-16 A	05-Dec-16	82%	260d	-205d									
338	PR170240	Heat Exchangers	103d	09-Sep-15	05-Feb-16	14d	05-Apr-16 A	07-Dec-16	90%	66d	-207d									
339	PR170260	Hot Water Circulation Pumps	103d	09-Sep-15	05-Feb-16	9d	13-Jun-16 A	30-Nov-16	96%	71d	-202d									
340	PR170280	Tunnel Doors	103d	09-Sep-15	05-Feb-16	38d	02-Nov-16 A	13-Jan-17	15%	43d	-231d									
341	Wastewater Treatment System (WWTS)		235d	16-Mar-15	25-Feb-16	68d	08-Jul-15 A	28-Feb-17		208d	-250d									
342	General		235d	16-Mar-15	25-Feb-16	68d	08-Jul-15 A	28-Feb-17		208d	-250d									
343	General		235d	16-Mar-15	25-Feb-16	68d	08-Jul-15 A	28-Feb-17		208d	-250d									
344	PR150100	Issue orders & receive shop drawings from WWTS suppliers	17d	16-Mar-15	10-Apr-15	25d	08-Jul-15 A	22-Dec-16	98%	251d	-425d									
345	PR150120	Wastewater Treatment Plant (General)	103d	24-Sep-15	25-Feb-16	42d	11-Dec-15 A	19-Jan-17	90%	7d	-224d									
346	PR150130	Wastewater Treatment Plant (Chemical Dosing System)	0d			23d	23-Dec-16*	27-Jan-17	0%	-8d										
347	PR150160	Primary Sedimentation Tank (Conical Tank)	0d			0d	17-Jun-16 A	09-Nov-16 A	100%											
348	PR150170	GRP Tank	0d			68d	17-Jun-16 A	28-Feb-17	63%	-28d										
349	PR150200	Air Blowers	0d			29d	16-Aug-16 A	30-Dec-16	72%	21d										

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017				
												Nov	Dec	Jan	Feb	Nov	Dec	Jan	Feb	
350	PR150220	Air Compressor	0d			29d	23-Jun-16 A	30-Dec-16	74%	21d										
351	PR150240	ASP Stack (Insulation and Platform)	0d			31d	25-Nov-16*	11-Jan-17	0%	-3d										
352	PR150260	Diesel Tank (ASP)	0d			18d	23-Dec-16*	20-Jan-17	0%	-17d										
353	Centralized Air Pollution Control (CAPC) System			236d	12-Feb-15	26-Jan-16	61d	30-May-15 A	17-Feb-17		215d	-262d								
354	General			236d	12-Feb-15	26-Jan-16	61d	30-May-15 A	17-Feb-17		215d	-262d								
355	Issue orders & receive shop drawings from CAPC suppliers			236d	12-Feb-15	26-Jan-16	61d	30-May-15 A	17-Feb-17		215d	-262d								
356	PR180100	Issue orders & receive shop drawings from CAPC suppliers	18d	12-Feb-15	11-Jan-16	6d	30-May-15 A	25-Nov-16	98%	270d	-425d									
357	PR180120	CAPC System Equipment (General)	103d	28-Aug-15	26-Jan-16	39d	14-Jan-16 A	16-Jan-17	94%	-21d	-240d									
358	PR180140	GRP Tanks	0d			61d	02-Sep-16 A	17-Feb-17	0%	-38d										
359	PR180152	GRP Ductworks (Batch 2)	0d			43d	24-Jun-16 A	20-Jan-17	72%	-33d										
360	PR180154	GRP Ductworks (Batch 3)	0d			44d	12-Dec-16*	16-Feb-17	0%	-24d										
361	PR180200	Chemical Scrubber	0d			29d	14-Jan-16 A	30-Dec-16	95%	0d										
362	PR180215	Inline Fans	0d			46d	05-Dec-16*	13-Feb-17	0%	-14d										
363	Bulk Material			352d	09-Mar-15	18-May-16	129d	16-Sep-15 A	28-Apr-17		201d	-281d								
364	General			352d	09-Mar-15	18-May-16	129d	16-Sep-15 A	28-Apr-17		201d	-281d								
365	Issue orders & receive shop drawings from Mechanical Equipment suppliers			352d	09-Mar-15	18-May-16	129d	16-Sep-15 A	28-Apr-17		201d	-281d								
366	PR220050	Issue orders & receive shop drawings from Mechanical Equipment suppliers	20d	09-Mar-15	08-Apr-15	15d	16-Sep-15 A	08-Dec-16	95%	261d	-417d									
367	PR220055	Pipework (SS316) for Building 1 Waste Receiving & Pre-treatment	0d			21d	30-Nov-16*	30-Dec-16	0%	4d										
368	PR220056	Pipework (SS316) for Building 1 (Others)	0d			29d	15-Dec-16*	27-Jan-17	0%	-15d										
369	PR220057	Pipework (SS316) for Building 2	0d			25d	24-Nov-16*	30-Dec-16	0%	4d										
370	PR220058	Pipework (SS316) for AD Pipe Racks	0d			26d	18-Nov-16*	23-Dec-16	0%	7d										
371	PR220059	Pipework (SS316) for AD (Others)	0d			20d	28-Nov-16*	23-Dec-16	0%	7d										
372	PR220060	Pipework (SS316) for Biogas Area	0d			25d	24-Nov-16*	30-Dec-16	0%	4d										
373	PR220061	Pipework (SS316) for Hot Water Room	0d			25d	24-Nov-16*	30-Dec-16	0%	4d										
374	PR220065	Pipework (DI)	0d			24d	19-Jan-16 A	21-Dec-16	92%	9d										
375	PR220095	Mechanical Equipment - Penstock	0d			16d	23-Jun-16 A	09-Dec-16	86%	17d										
376	PR220100	Pipework (uPVC)	105d	21-Jul-15	17-Dec-15	20d	19-Jan-16 A	15-Dec-16	95%	-23d	-247d									
377	PR220102	Issue orders & receive shop drawings from Roller Shutter suppliers	0d			0d	16-Sep-15 A	27-Oct-16 A	100%											
378	PR220104	Roller Shutters (Local)	0d			10d	30-Jul-16 A	29-Nov-16	90%	30d										
379	PR220105	Roller Shutters (UK)	0d			35d	27-Oct-16 A	10-Jan-17	0%	-2d										
380	PR220108	Lifting Appliance	0d			29d	11-Jul-16 A	30-Dec-16	81%	-3d										
381	PR220110	Issue orders & receive shop drawings from Platforms, Handrails & Ladders suppliers	20d	17-Jun-15	15-Jul-15	34d	23-Nov-15 A	09-Jan-17	95%	242d	-369d									
382	PR220120	Platforms, Handrails and Ladders	90d	05-Nov-15	16-Mar-16	50d	09-Jan-17*	21-Mar-17	0%	-39d	-251d									
383	PR220130	Issue orders & receive shop drawings from Mobile Plants suppliers	40d	22-Sep-15	19-Nov-15	20d	09-Dec-16*	10-Jan-17	0%	13d	-282d									
384	PR220140	Mobile Plants	120d	20-Nov-15	18-May-16	51d	14-Feb-17	28-Apr-17	0%	13d	-235d									
385	PR220150	Issue orders & receive shop drawings from Laboratory Equipment Suppliers	0d			33d	18-Nov-16*	06-Jan-17	0%	2d										
386	PR220190	Laboratory Equipment	0d			51d	10-Feb-17	26-Apr-17	0%	2d										
387	Valves			0d			79d	08-Jun-16 A	24-Feb-17		127d									
388	General			0d			79d	08-Jun-16 A	24-Feb-17		127d									
389	PR220101	3-Way Valve	0d			16d	27-Sep-16 A	09-Dec-16	66%	17d										
390	PR220160	Ball Float Valve	0d			21d	25-Nov-16*	23-Dec-16	0%	146d										
391	PR220170	Ball Valve	0d			25d	09-Dec-16*	17-Jan-17	0%	132d										
392	PR220180	Butterfly Valve	0d			24d	27-Jun-16 A	21-Dec-16	92%	148d										
393	PR220210	Knife Gate Valve	0d			14d	08-Jun-16 A	07-Dec-16	85%	158d										
394	PR220220	Non-Return Valve	0d			30d	09-Dec-16*	16-Jan-17	0%	158d										
395	PR220230	Pressure Regulating Valve	0d			51d	09-Dec-16*	24-Feb-17	0%	106d										
396	PR220240	Pressure Relief Valve	0d			51d	09-Dec-16*	24-Feb-17	0%	106d										
397	PR220250	Solenoid Valve	0d			28d	09-Dec-16*	20-Jan-17	0%	129d										
398	PR220270	Electric Actuator for Ball Valve and Gate Valve	0d			38d	27-Jun-16 A	13-Jan-17	92%	134d										
399	Electrical System & Accessories			273d	15-May-15	15-Apr-16	90d	27-May-15 A	09-Mar-17		241d	-268d								
400	General			208d	15-May-15	15-Mar-16	42d	27-May-15 A	19-Jan-17		234d	-211d								
401	Issue orders & receive shop drawings from Electrical suppliers			208d	15-May-15	15-Mar-16	42d	27-May-15 A	19-Jan-17		234d	-211d								
402	PR230100	Issue orders & receive shop drawings from Electrical suppliers	12d	15-May-15	02-Jun-15	16d	27-May-15 A	09-Dec-16	86%	260d	-381d									
403	PR230125	MCC and Electrical Accessories System (Pre-treatment)	0d			29d	03-Aug-16 A	30-Dec-16	56%	-21d										
404	PR230135	MCC and Electrical Accessories System (CAPCS)	0d			29d	03-Aug-16 A	30-Dec-16	64%	-2d										

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017		
												Nov	Dec	Jan	Feb	Jan	Feb	
405	PR230145	MCC and Electrical Accessories System (Composting and Dewatering)	0d			23d	15-Jul-16 A	20-Dec-16	73%	33d								
406	PR230155	MCC and Electrical Accessories System (WWTP)	0d			29d	03-Aug-16 A	30-Dec-16	69%	-21d								
407	PR230165	MCC and Electrical Accessories System (AD)	0d			29d	15-Jul-16 A	30-Dec-16	62%	-3d								
408	PR230175	MCC and Electrical Accessories System (Biogas Cleaning & Storage)	0d			29d	15-Jul-16 A	30-Dec-16	62%	-16d								
409	PR230178	MCC and Electrical Accessories System (Heat Recovery & Power Generation)	0d			29d	03-Aug-16 A	30-Dec-16	68%	-16d								
410	PR230180	Cables (HV & LV) and Accessories, Cable Containment System	61d	19-Oct-15	14-Jan-16	20d	11-Jul-16 A	03-Jan-17	78%	-33d	-238d							
411	PR230185	FAT of MCC (1st batch - Composting and Dewatering)	0d			5d	21-Nov-16	25-Nov-16	0%	50d								
412	PR230190	FAT of MCC (2nd batch - Remaining)	0d			5d	19-Dec-16	23-Dec-16	0%	-18d								
413	PR230200	Earthing and Lightning	40d	19-Oct-15	14-Dec-15	15d	27-May-15 A	08-Dec-16	98.23%	29d	-245d							
414	PR230220	Emergency Generator	101d	19-Oct-15	15-Mar-16	42d	19-Aug-16 A	19-Jan-17	53%	-4d	-211d							
415	PR230240	Diesel Tank (Genset)	0d			39d	18-Nov-16*	16-Jan-17	0%	-17d								
416	11kV / 380V Stepdown Transformers		0d			90d	17-Nov-15 A	09-Mar-17		241d								
417			0d			90d	17-Nov-15 A	09-Mar-17		241d								
418	PR230230	Issue orders & receive shop drawings from Transformer supplier	0d			5d	17-Nov-15 A	23-Nov-16	98%	326d								
419	PR230250	11kV / 380V Transformers, Earthing Transformer	0d			5d	28-May-16 A	23-Nov-16	96%	-51d								
420	PR230280	Phasor Measurement Units (PMU) by CLP	0d			72d	09-Dec-16*	09-Mar-17	0%	-21d								
421	Main HV Switch Board (11kV)		0d			5d	17-Nov-15 A	23-Nov-16		326d								
422			0d			5d	17-Nov-15 A	23-Nov-16		326d								
423	PR230300	Issue orders & receive shop drawings from HV Switch Board supplier	0d			5d	17-Nov-15 A	23-Nov-16	98%	326d								
424	PR230320	HV Switch Board, switchgear and Instrumentation	0d			5d	28-May-16 A	23-Nov-16	99%	-51d								
425	PR230340	FAT of HV Switch Board	0d			0d	19-Oct-16 A	20-Oct-16 A	100%									
426	Main LV Switch Board		273d	15-May-15	15-Apr-16	28d	23-Nov-15 A	20-Dec-16		302d	-206d							
427			273d	15-May-15	15-Apr-16	28d	23-Nov-15 A	20-Dec-16		302d	-206d							
428	PR230130	Issue orders & receive shop drawings from LV Switch Board suppliers	12d	15-May-15	02-Jun-15	20d	23-Nov-15 A	15-Dec-16	94%	256d	-385d							
429	PR230140	Main LV Switch Board, switchgear and Instrumentation	121d	19-Oct-15	15-Apr-16	23d	14-Jul-16 A	20-Dec-16	86%	-43d	-172d							
430	PR230160	FAT of Main LV Switch Board	5d	01-Apr-16	08-Apr-16	4d	28-Nov-16*	01-Dec-16	0%	-36d	-196d							
431	SCADA /PLC System		222d	27-May-15	22-Feb-16	78d	01-Mar-15 A	23-Feb-17		253d	-298d							
432	General		222d	27-May-15	22-Feb-16	78d	01-Mar-15 A	23-Feb-17		253d	-298d							
433			222d	27-May-15	22-Feb-16	78d	01-Mar-15 A	23-Feb-17		253d	-298d							
434	PR240100	Issue orders & receive shop drawings from SCADA/PLC suppliers	20d	27-May-15	23-Jun-15	8d	01-Mar-15 A	29-Nov-16	96%	268d	-358d							
435	PR240120	SCADA/PLC System and component (Batch 1)	83d	22-Oct-15	22-Feb-16	20d	08-Jul-16 A	15-Dec-16	88%	-23d	-205d							
436	PR240140	FAT of SCADA/PLC System (Batch 1)	2d	29-Jan-16	01-Feb-16	0d	21-Sep-16 A	11-Nov-16 A	100%		-230d							
437	PR240160	SCADA/PLC System and component (Batch 2)	0d			39d	19-Aug-16 A	16-Jan-17	55%	5d								
438	PR240180	FAT of SCADA/PLC System (Batch 2)	0d			35d	16-Nov-16 A	30-Dec-16	0%	296d								
439	PR240200	SCADA/PLC System and component (Batch 3)	0d			42d	21-Dec-16*	23-Feb-17	0%	-11d								
440	PR240220	FAT of SCADA/PLC System (Batch 3)	0d			24d	14-Jan-17	14-Feb-17	0%	261d								
441	Building Services Equipment (Including Lift & Renewable Energy System)		260d	12-Feb-15	03-Mar-16	58d	17-Aug-15 A	14-Feb-17		218d	-235d							
442	General		252d	12-Feb-15	22-Feb-16	42d	17-Aug-15 A	19-Jan-17		234d	-227d							
443			252d	12-Feb-15	22-Feb-16	42d	17-Aug-15 A	19-Jan-17		234d	-227d							
444	PR250100	Issue orders & receive shop drawings from BS suppliers	20d	12-Feb-15	13-Mar-15	9d	17-Aug-15 A	30-Nov-16	98%	267d	-426d							
445	PR250120	Firemen Lift	83d	22-Oct-15	22-Feb-16	9d	21-Jun-16 A	30-Nov-16	95%	-31d	-194d							
446	PR250130	Lifting Platform	0d			30d	06-Dec-16*	19-Jan-17	0%	-24d								
447	BS - Electrical		81d	05-Nov-15	03-Mar-16	44d	08-Jun-16 A	23-Jan-17		13d	-221d							
448			81d	05-Nov-15	03-Mar-16	44d	08-Jun-16 A	23-Jan-17		13d	-221d							
449	PR250225	BS - Light Fittings	0d			14d	03-Jan-17	20-Jan-17	0%	-34d								
450	PR250230	ELV System Equipment	81d	05-Nov-15	03-Mar-16	44d	08-Jun-16 A	23-Jan-17	82%	13d	-221d							
451	BS - Fire Services		81d	05-Nov-15	03-Mar-16	39d	15-Dec-16	14-Feb-17		-29d	-235d							
452			81d	05-Nov-15	03-Mar-16	39d	15-Dec-16	14-Feb-17		-29d	-235d							
453	PR250210	Fire Services System Equipment (Fire Damper)	81d	05-Nov-15	03-Mar-16	30d	30-Dec-16*	14-Feb-17	0%	-36d	-235d							
454	PR250212	Fire Services System Equipment (FM200)	0d			30d	15-Dec-16*	01-Feb-17	0%	-20d								
455	PR250214	Fire Services System Equipment (AFA)	0d			30d	15-Dec-16*	01-Feb-17	0%	-40d								
456	BS - Plumbing & Drainage		81d	05-Nov-15	03-Mar-16	18d	05-Jan-17	01-Feb-17		1d	-226d							
457			81d	05-Nov-15	03-Mar-16	18d	05-Jan-17	01-Feb-17		1d	-226d							
458	PR250220	Plumbing and Drainage System Equipment (Electric Heater)	81d	05-Nov-15	03-Mar-16	18d	05-Jan-17*	01-Feb-17	0%	1d	-226d							
459	BS - MVAC		137d	14-Aug-15	03-Mar-16	50d	10-Jun-16 A	02-Feb-17		-10d	-227d							
460			137d	14-Aug-15	03-Mar-16	50d	10-Jun-16 A	02-Feb-17		-10d	-227d							
461	PR250140	Absorption Chiller	83d	14-Aug-15	11-Dec-15	32d	10-Jun-16 A	05-Jan-17	84%	-9d	-263d							
462	PR250160	Electrical Chiller	81d	05-Nov-15	03-Mar-16	32d	15-Jun-16 A	05-Jan-17	88%	8d	-209d							

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												Nov	Dec	Jan	Feb	Nov	Dec	Jan	Feb	
463	PR250170	Cooling Tower	81d	05-Nov-15	03-Mar-16	50d	04-Nov-16 A	02-Feb-17	12%	-10d	-227d									
464	PR250180	Chilled Water Circulation Pumps	83d	14-Aug-15	11-Dec-15	46d	07-Sep-16 A	25-Jan-17	45%	-22d	-277d									
465	PR250200	Air Handling Units	83d	14-Aug-15	11-Dec-15	49d	13-Oct-16 A	01-Feb-17	35%	-31d	-280d									
466	PR250240	Fan Coil Units	0d			35d	16-Nov-16 A	10-Jan-17	3%	-7d										
467	Process Utilities (Compressed Air, Process Water, Process Clean Water)			0d		63d	30-Jun-16 A	21-Feb-17		-39d										
468	General			0d		63d	30-Jun-16 A	21-Feb-17		-39d										
469				0d		63d	30-Jun-16 A	21-Feb-17		-39d										
470	PR260100	Compressed Air System	0d			29d	30-Jun-16 A	30-Dec-16	72%	-8d										
471	PR260120	Process Water System	0d			25d	08-Dec-16*	16-Jan-17	0%	-42d										
472	PR260140	Process Clean Water System	0d			35d	30-Dec-16*	21-Feb-17	0%	-39d										
473	Hot Water System			64d	06-Jul-15	05-Oct-15	65d	13-Jun-16 A	23-Feb-17		-35d	-344d								
474	Hot Water System			64d	06-Jul-15	05-Oct-15	65d	13-Jun-16 A	23-Feb-17		-35d	-344d								
475				64d	06-Jul-15	05-Oct-15	65d	13-Jun-16 A	23-Feb-17		-35d	-344d								
476	PR140160	Electric Water Heater	0d			0d	13-Jun-16 A	04-Nov-16 A	100%		-270d									
477	PR140200	Hot Water Circulation Pumps	64d	06-Jul-15	05-Oct-15	16d	13-Jun-16 A	09-Dec-16	95%	-15d	-295d									
478	PR140220	Insulation and Cladding	0d			55d	02-Dec-16*	23-Feb-17	0%	-35d										
479	PR140240	Break Tank	0d			16d	02-Sep-16 A	09-Dec-16	82%	1d										
480	PR140260	Magnetic Filter	0d			23d	17-Aug-16 A	20-Dec-16	68%	-2d										
481	PR140280	Softener	0d			23d	17-Aug-16 A	20-Dec-16	68%	-2d										
482	CIVIL AND STRUCTURAL WORKS			374d	08-Jul-15	07-Oct-16	132d	13-Nov-15 A	04-May-17		199d	-166d								
483	General			0d		11d	07-Jan-17	19-Jan-17		4d										
484				0d		11d	07-Jan-17	19-Jan-17		4d										
485				0d		11d	07-Jan-17	19-Jan-17		4d										
486	PR100030	Dismantle of Tower Crane	0d			11d	07-Jan-17	19-Jan-17	0%	4d										
487	Waste Receiving, Pre-treatment & Administration Building #1 (Zone #1)			225d	05-Oct-15	09-Jul-16	132d	16-Aug-16 A	04-May-17		199d	-241d								
488	Substructure at Grid 6-15/H-K.5 - Part A (Adm. Building)			0d		15d	20-Jan-17	09-Feb-17		4d										
489				0d		15d	20-Jan-17	09-Feb-17		4d										
490	CC100130	Bay J Footing - Tower Crane Area	0d			15d	20-Jan-17	09-Feb-17	0%	4d										
491	Superstructure at Grid 6-10/L-Q - Part B (WWTP)			0d		101d	17-Oct-16 A	22-Mar-17		91d										
492	G/F to 1/F @+13.500			0d		18d	17-Oct-16 A	08-Dec-16		174d										
493	CC112100	Underground Drainage Work (Part B)	0d			18d	18-Nov-16	08-Dec-16	0%	174d										
494	CC112205	Bay A3 - Parapet Wall to +14.900	0d			0d	17-Oct-16 A	03-Nov-16 A	100%											
495	ABWF Works			0d		101d	04-Nov-16 A	22-Mar-17		-5d										
496	CC112210	Clearance of Internal Area of G/F (Part B)	0d			6d	04-Nov-16 A	24-Nov-16	52%	-31d										
497	CC112220	Erect bamboo working platform at Internal Area of G/F (Part B)	0d			12d	25-Nov-16	08-Dec-16	0%	-31d										
498	CC112230	ABWF Works at G/F (Part B)	0d			40d	25-Nov-16	13-Jan-17	0%	-31d										
499	CC112270	Removal of Scaffolding and Working Platform (Part B)	0d			0d		13-Jan-17	0%	24d										
500	CC112280	External and Remaining ABWF Works (Part B)	0d			85d	07-Dec-16	22-Mar-17	0%	-5d										
501	Handover of Works to E&M			0d		4d	14-Jan-17	19-Jan-17		33d										
502	CC112290	Handover G/F to E&M Works (Zone #1.1.2 Part B - Building 1 - Conical Tank Area)	0d			0d	14-Jan-17		0%	37d										
503	CC112300	Handover G/F to E&M Works (Zone #1.1.5 Part B - Building 1 - WWTP Area - Grid L-P/7-11)	0d			0d	19-Jan-17		0%	-31d										
504	Superstructure at Grid 6-15/H-K.5 - Part A (Adm. Building, Workshop & F.S. Pump Rm.)			15d	05-Oct-15	22-Oct-15	95d	16-Aug-16 A	15-Mar-17		1d	-414d								
505	G/F to 1/F @+14.200			15d	05-Oct-15	22-Oct-15	86d	18-Nov-16	04-Mar-17		4d	-405d								
506	CC100140	Underground Drainage Work (Grid 6-15 / H-K.5 - Part A)	15d	05-Oct-15	22-Oct-15	15d	18-Nov-16	05-Dec-16	0%	-11d	-334d									
507	CC100605	Bay J - Structure at Tower Crane Area	0d			20d	10-Feb-17	04-Mar-17	0%	4d										
508	G/F to M/F @+11.950			0d		0d	16-Aug-16 A	20-Oct-16 A												
509	CC100720	Bay K1 - Staircase	0d			0d	16-Aug-16 A	20-Oct-16 A	100%											
510	M/F to 1/F @+17.200			0d		16d	08-Sep-16 A	06-Dec-16		-45d										
511	CC100560	Bay C3 - M/F to 1/F Roof @+17.200	0d			16d	08-Sep-16 A	06-Dec-16	68%	-45d										
512	CC100565	Bay K2 - Staircase	0d			0d	21-Oct-16 A	31-Oct-16 A	100%											
513	1/F to Roof 2+22.500			0d		16d	01-Nov-16 A	06-Dec-16		11d										
514	CC100600	Bay K3 - Staircase to Roof	0d			16d	01-Nov-16 A	06-Dec-16	35%	11d										
515	CAPCS Stack			0d		77d	18-Nov-16	22-Feb-17		-8d										
516	CC100725	Fabricate & Deliver CAPCS Structural Steelwork	0d			53d	18-Nov-16*	21-Jan-17	0%	-8d										
517	CC100730	CAPCS Stack to +32.000 (Structural Steelwork)	0d			24d	23-Jan-17	22-Feb-17	0%	-8d										
518	ABWF Works			0d		85d	30-Nov-16	15-Mar-17		1d										
519	CC100610	Clearance of Internal Area of G/F (Part A)	0d			12d	07-Dec-16	20-Dec-16	0%	-40d										
520	CC100620	Erect bamboo working platform at Internal Area of G/F (Part A)	0d			12d	07-Dec-16	20-Dec-16	0%	-40d										
521	CC100630	ABWF Works at G/F (Part A)	0d			56d	07-Dec-16	16-Feb-17	0%	-40d										

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017				
												Nov	Dec	Jan	Feb	Nov	Dec	Jan	Feb	
522	CC100640	Clearance of Internal Area of Mezz Lev. & 1/F (Part A)	0d			9d	07-Dec-16	16-Dec-16	0%	-45d										
523	CC100650	Erect bamboo working platform at Internal Area of Mess Lev. & 1/F (Part A)	0d			12d	17-Dec-16	03-Jan-17	0%	-45d										
524	CC100660	ABWF Works at M/F, 1/F to R/F (Part A)	0d			30d	17-Dec-16	24-Jan-17	0%	-45d										
525	CC100670	Removal of Scaffolding and Working Platform (Part A)	0d			0d		24-Jan-17	0%	15d										
526	CC100680	External and Remaining ABWF Works (Part A)	0d			85d	30-Nov-16	15-Mar-17	0%	1d										
527	Handover of Works to E&M			0d		45d	10-Dec-16	08-Feb-17		-7d										
528	CC100690	Handover G/F to E&M Works (Zone #1.1.3 Part A - Building 1 Workshop)	0d			0d	10-Dec-16		0%	38d										
529	CC100691	Handover G/F to E&M Works (Zone #1.1.3 Part A - Building 1 F.S.Pump Rm.)	0d			0d	17-Jan-17		0%	9d										
530	CC100692	Handover G/F to E&M Works (Zone #1.1.4 Part A - Building 1 WWTP MCC Room) excl. ABWF	0d			0d	19-Jan-17		0%	-40d										
531	CC100700	Handover to E&M Works (Zone #1.2.1 Part A - Building 1 Adm. Bldg. Firemen Lift Shaft)	0d			0d	10-Dec-16		0%	-45d										
532	CC100830	Handover G/F to E&M Works (Zone #1.2.2 Part A - Building 1 Adm. Bldg. Grid H-L/10-15)	0d			0d	23-Dec-16		0%	-33d										
533	CC100840	Handover M/F to E&M Works (Zone #1.2.3 Part A - Building 1 Adm. Bldg. Grid H-L/10-15)	0d			0d	08-Feb-17		0%	-31d										
534	Superstructure at Grid 10-15/K.5-Q - Part C (Bunker & Influence Zone)			155d	29-Dec-15	09-Jul-16	132d	12-Sep-16 A	04-May-17		199d	-241d								
535	G/F to M/F @+11.950			18d	30-Dec-15	20-Jan-16	18d	18-Nov-16	08-Dec-16		-8d	-263d								
536	CC102100	Underground Drainage Work (Part C)	18d	30-Dec-15	20-Jan-16	18d	18-Nov-16	08-Dec-16	0%	-8d	-263d									
537	M/F to 1/F @+17.200			0d			29d	22-Nov-16	24-Dec-16		64d									
538	CC102210	Construct Roof at Temporary Opening at +17.20mP.D.	0d			29d	22-Nov-16	24-Dec-16	0%	64d										
539	Roof and Parapet			12d	10-Mar-16	23-Mar-16	34d	11-Oct-16 A	29-Dec-16		-23d	-228d								
540	CC102240	Bay D3 Roof to Parapet @+22.150	12d	10-Mar-16	23-Mar-16	34d	18-Nov-16*	29-Dec-16	0%	-23d	-228d									
541	CC102250	Bay E3 Roof to +20.350	0d			12d	18-Nov-16*	01-Dec-16	0%	-1d										
542	CC102270	Bay G3 Pre-Treatment and CAPCS MCC Room Roof @+22.150	0d			13d	11-Oct-16 A	02-Dec-16	56.67%	-2d										
543	ABWF Works			155d	29-Dec-15	09-Jul-16	132d	12-Sep-16 A	04-May-17		-36d	-241d								
544	CC102260	Clearance of Internal Area of G/F (Part C)	6d	29-Dec-15	05-Jan-16	3d	12-Sep-16 A	21-Nov-16	90%	-43d	-261d									
545	CC102280	Erect bamboo working platform at Internal Area of G/F (Part C)	12d	06-Jan-16	19-Jan-16	12d	18-Nov-16	01-Dec-16	0%	-13d	-258d									
546	CC102300	ABWF Works at G/F (Part C)	24d	20-Jan-16	19-Feb-16	42d	18-Nov-16	09-Jan-17	0%	-43d	-264d									
547	CC102320	Clearance of Internal Area of Mezz Lev. & 1/F (Part C)	9d	01-Mar-16	10-Mar-16	15d	18-Nov-16	05-Dec-16	0%	-18d	-220d									
548	CC102340	Erect bamboo working platform at Internal Area of Mess Lev. & 1/F (Part C)	12d	11-Mar-16	24-Mar-16	12d	29-Nov-16	12-Dec-16	0%	-18d	-214d									
549	CC102360	ABWF Works at M/F, 1/F and R/F (Part C)	40d	29-Mar-16	17-May-16	67d	06-Jan-17	28-Mar-17	0%	-48d	-259d									
550	CC102380	External and Remaining ABWF Works (Part C)	85d	24-Mar-16	09-Jul-16	85d	16-Jan-17	04-May-17	0%	-36d	-241d									
551	Handover of Works to E&M			0d	04-Feb-16	04-Feb-16	56d	24-Oct-16 A	08-Feb-17		267d	-297d								
552	CC101801	Handover G/F to E&M Works (Zone #1.1.1 Part C - SBT Pump Room)	0d			0d	15-Dec-16*		0%	-43d										
553	CC101802	Handover G/F to E&M Works (Zone #1.1.6 Part C - Building 1 - Pre-treat. Area Grid K-Q/11-15) - in stages	0d			0d	15-Dec-16*		0%	-26d										
554	CC101803	Handover G/F to E&M Works (Zone #1.1.7 Part C - Building 1 - Area E without ABWF)	0d			0d	08-Nov-16 A		100%											
555	CC101804	Handover G/F to E&M Works (Zone #1.1.7 Part C - Building 1 - Area E)	0d			0d	28-Nov-16		0%	323d										
556	CC101805	Handover G/F to E&M Works (Zone #1.1.8 Part C - Building 1 - Area D without ABWF)	0d			0d	24-Oct-16 A		100%											
557	CC102400	Handover G/F to E&M Works (Zone #1.1.9 Part C - Building 1 - Area G)	0d	04-Feb-16		0d	28-Dec-16		0%	-35d	-265d									
558	CC102410	Handover 1/F to E&M Works (Zone #1.2.5 Part C - Building 1 - CAPCS Area - Grid L-Q/12-15, +17.350)	0d			0d	08-Feb-17		0%	-48d										
559	CC102411	Handover 1/F to E&M Works (Zone #1.2.5 Part C - Building 1 - Pretreatment MCC Room, +17.350)	0d			0d	14-Jan-17		0%	-36d										
560	CC102415	Handover 1/F to E&M Works (Zone #1.2.6 Part C - Building 1 - Chiller Plant Room Area)	0d			0d	07-Feb-17		0%	-15d										
561	Steel Roof & Covered Walkway			112d	24-Oct-15	09-Mar-16	62d	13-Dec-16	01-Mar-17		-37d	-289d								
562	Steel Roof and Covered Walkway			112d	24-Oct-15	09-Mar-16	62d	13-Dec-16	01-Mar-17		-37d	-289d								
563	CC102225	Fabricate & Deliver Roof & Covered Walkway Structural Steelwork	77d	24-Oct-15	25-Jan-16	35d	13-Dec-16	25-Jan-17	0%	-37d	-297d									
564	CC102230	Erect Roof Steelwork	6d	03-Mar-16	09-Mar-16	27d	26-Jan-17	01-Mar-17	0%	-37d	-289d									
565	CC102290	Erect Covered Walkway	0d			19d	26-Jan-17	20-Feb-17	0%	-29d										
566	Composting Building & Facilities - Zone #2			262d	08-Jul-15	25-May-16	102d	10-Jun-16 A	23-Mar-17		229d	-248d								
567	Composting Building #2 (Zone #2.1)			260d	08-Jul-15	23-May-16	102d	10-Jun-16 A	23-Mar-17		229d	-250d								
568	For Location at Grid 1-5/A-C			15d	08-Jul-15	24-Jul-15	15d	04-Jul-16 A	05-Dec-16		316d	-408d								
569	CC103160	Underground Drainage Work	15d	08-Jul-15	24-Jul-15	15d	04-Jul-16 A	05-Dec-16	95%	316d	-408d									
570	For Location at Grid 1-5/C-G			15d	19-Aug-15	04-Sep-15	15d	10-Jun-16 A	05-Dec-16		316d	-372d								
571	CC103220	Underground Drainage Work	15d	19-Aug-15	04-Sep-15	15d	10-Jun-16 A	05-Dec-16	95%	316d	-372d									
572	General			111d	05-Jan-16	23-May-16	102d	13-Jul-16 A	23-Mar-17		90d	-250d								
573	CC103310	Erect Steelwork for Building #2 Covered Walkway	0d			0d	20-Oct-16 A	11-Nov-16 A	100%											
574	CC103312	Erect Cladding for Building #2 Covered Walkway	0d			36d	12-Nov-16 A	31-Dec-16	0%	138d										
575	CC103315	Fabricate & deliver Structural Steelwork for Building #2 Steel Roof	0d			13d	19-Sep-16 A	02-Dec-16	78.33%	50d										
576	CC103318	Erect Steelwork for Building #2 Steel Roof	0d			16d	03-Dec-16	21-Dec-16	0%	50d										

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017				
												Nov	Dec	Jan	Feb	Nov	Dec	Jan	Feb	
577	CC103319	Erect Cladding for Building #2 Steel Roof	0d			24d	22-Dec-16	21-Jan-17	0%	115d	-202d									
578	CC103360	Internal Finishing Works	39d	10-Mar-16	28-Apr-16	35d	22-Jul-16 A	30-Dec-16	88.29%	10d	-202d									
579	CC103400	External Finishing Works	43d	24-Mar-16	19-May-16	36d	26-Sep-16 A	31-Dec-16	16.28%	1d	-187d									
580	CC103420	ABWF Work	40d	05-Jan-16	23-Feb-16	31d	13-Jul-16 A	23-Dec-16	68%	6d	-250d									
581	CC103440	Remaining ABWF Work	71d	24-Feb-16	23-May-16	71d	24-Dec-16	23-Mar-17	0%	90d	-250d									
582	Handover of Works to E&M		0d	23-May-16	23-May-16	3d	10-Nov-16 A	30-Dec-16		10d	-183d									
583	CC100815	Handover to E&M Works (Zone #2.1.8 - Building 2 Composting Tunnel)	0d			0d		10-Nov-16 A	100%											
584	CC100820	Handover to E&M Works (Zone #2.1.9 - Dewatering Area - 1/F)	0d			0d		24-Dec-16*	0%	-1d										
585	CC103460	Handover to E&M Works (Zone #2.1.10 - Building 2 Other Remaining Area)	0d		23-May-16	0d		30-Dec-16*	0%	10d	-183d									
586	Link Bridge (Zone #2.2)		166d	31-Oct-15	25-May-16	84d	24-Sep-16 A	02-Mar-17		21d	-230d									
587	Link Bridge (Zone #2.2)		166d	31-Oct-15	25-May-16	84d	24-Sep-16 A	02-Mar-17		21d	-230d									
588	CC104100	Fabricate & deliver Structural Steelwork	103d	31-Oct-15	05-Mar-16	30d	24-Sep-16 A	22-Dec-16	50%	21d	-239d									
589	CC104120	Installation of Bearing Support for Link Bridge at Bldg 1 & 2	12d	03-Mar-16	16-Mar-16	3d	10-Dec-16	13-Dec-16	0%	29d	-222d									
590	CC104140	Erect Steelwork for Link Bridge	18d	17-Mar-16	11-Apr-16	18d	23-Dec-16	16-Jan-17	0%	21d	-230d									
591	CC104160	ABWF Works at Link Bridge	36d	12-Apr-16	25-May-16	36d	17-Jan-17	02-Mar-17	0%	21d	-230d									
592	Handover of Works to E&M		0d	25-May-16	25-May-16	0d	26-Jan-17	26-Jan-17		21d	-203d									
593	CC104180	Handover to E&M Works at Link Bridge (Zone #2.2 - Link Bridge)	0d		25-May-16	0d		26-Jan-17	0%	21d	-203d									
594	Auxiliary Buildings & Facilities (Zone #3)		326d	02-Sep-15	07-Oct-16	109d	13-Nov-15 A	31-Mar-17		222d	-143d									
595	Energy Centre (Building #3/Zone #3.1)		66d	11-Dec-15	03-Mar-16	58d	29-Aug-16 A	27-Jan-17		273d	-269d									
596	Energy Centre (Building #3/Zone #3.1)		66d	11-Dec-15	03-Mar-16	58d	29-Aug-16 A	27-Jan-17		273d	-269d									
597	CC105140	Foul Drainage Connections	11d	11-Dec-15	23-Dec-15	13d	18-Nov-16	02-Dec-16	0%	318d	-279d									
598	CC105260	Dog House (+18.6mPD)	5d	05-Feb-16	13-Feb-16	0d	15-Oct-16 A	24-Oct-16 A	100%		-206d									
599	CC105300	Concrete Plinths / Walls / Trenches / Raised Floor	12d	29-Jan-16	15-Feb-16	13d	29-Aug-16 A	02-Dec-16	85%	-46d	-239d									
600	CC105320	ABWF Works	16d	15-Feb-16	03-Mar-16	58d	30-Aug-16 A	27-Jan-17	11%	-46d	-269d									
601	Handover of Works to E&M		0d	03-Mar-16	03-Mar-16	53d	23-Nov-16	27-Jan-17		-36d	-269d									
602	CC105334	Handover to E&M Works (Bldg #3/Zone #3.1.3 - Energy Centre Roof)	0d			0d		27-Jan-17	0%	-36d										
603	CC105335	Handover to E&M Works (Bldg #3 - Energy Centre 3nos. MCC Rooms and Lower Roof)	0d			0d		31-Dec-16	0%	-14d										
604	CC105336	Handover to E&M Works (Bldg #3/Zone #3.1.4 - Energy Centre G/F)	0d			0d		12-Dec-16*	0%	-20d										
605	CC105337	Handover to E&M Works (Bldg #3/Zone #3.1.4 - Energy Centre G/F Transformer Room)	0d			0d		23-Nov-16*	0%	-51d										
606	CC105338	Handover to E&M Works (Bldg #3/Zone #3.1.4 - Energy Centre G/F Main LV Switch Room)	0d			0d		19-Dec-16*	0%	-51d										
607	CC105340	Handover to E&M Works (Bldg #3/Zone #3.1.5 - Energy Centre Other Remaining Area)	0d		03-Mar-16	0d		27-Jan-17	0%	-42d	-269d									
608	Anaerobic Digestion Tanks (Zone #3.2)		18d	19-Feb-16	10-Mar-16	13d	05-Sep-16 A	02-Dec-16		-3d	-218d									
609	General		18d	19-Feb-16	10-Mar-16	13d	05-Sep-16 A	02-Dec-16		-20d	-218d									
610	CC106320	ABWF for Pump Buildings	18d	19-Feb-16	10-Mar-16	13d	05-Sep-16 A	02-Dec-16	80%	-20d	-218d									
611	Handover of Works to E&M		0d			4d	28-Nov-16	02-Dec-16		-3d										
612	CC106460	Handover to E&M Works (Zone #3.2.3 - Jet Mixing Pump Rooms & Centriguge Feed Pump Room)	0d			0d		28-Nov-16*	0%	-29d										
613	CC106470	Handover to E&M Works (Zone #3.2.4 - Heat & Forward Pump Room 1 & 2)	0d			0d		02-Dec-16*	0%	-3d										
614	CAPCS Stack (inside Building 1)		18d	26-Nov-15	16-Dec-15	30d	23-Jan-17	01-Mar-17		-8d	-355d									
615	CAPCS Stack (inside Building 1)		18d	26-Nov-15	16-Dec-15	30d	23-Jan-17	01-Mar-17		-8d	-355d									
616	CC108220	Erect structural steel support for CAPCS duct (Refer to Building 1)	18d	26-Nov-15	16-Dec-15	30d	23-Jan-17	01-Mar-17	0%	-8d	-355d									
617	Biogas Cleaning & Storage Tank (Zone #3.5)		88d	08-Oct-15	22-Jan-16	38d	27-Jun-16 A	04-Jan-17		293d	-281d									
618	Intermediate Digestate Tank		12d	08-Oct-15	22-Oct-15	12d	18-Nov-16	01-Dec-16		319d	-331d									
619	CC109140	Foul Drainage Connections	12d	08-Oct-15	22-Oct-15	12d	18-Nov-16*	01-Dec-16	0%	319d	-331d									
620	Biogas Holder / Biogas Plant		70d	30-Oct-15	22-Jan-16	38d	27-Jun-16 A	04-Jan-17		22d	-281d									
621	CC109220	Raft Foundations	6d	30-Oct-15	05-Nov-15	30d	27-Jun-16 A	22-Dec-16	95%	-13d	-337d									
622	CC109240	Underground Drainage Work	6d	06-Nov-15	12-Nov-15	6d	23-Dec-16	31-Dec-16	0%	22d	-337d									
623	CC109280	Clearance	4d	18-Dec-15	22-Dec-15	35d	12-Sep-16 A	31-Dec-16	80%	-13d	-303d									
624	CC109300	ABWF Works	24d	23-Dec-15	22-Jan-16	37d	19-Sep-16 A	04-Jan-17	80%	22d	-281d									
625	Handover of Works to E&M		0d	22-Jan-16	22-Jan-16	2d	31-Dec-16	04-Jan-17		30d	-281d									
626	CC109380	Handover to E&M Works (Zone #3.5.1 - Biogas Cleaning & Storage Tank)	0d		22-Jan-16	0d		31-Dec-16	0%	-13d	-279d									
627	CC109400	Handover to E&M Works (Zone #3.5.3 - Biogas Dehumidifier)	0d			0d		04-Jan-17	0%	30d										
628	Weighbridge (Zone #3.6)		106d	20-Nov-15	01-Apr-16	86d	02-Dec-16	18-Mar-17		-33d	-287d									
629	Weighbridge (Zone #3.6)		106d	20-Nov-15	01-Apr-16	86d	02-Dec-16	18-Mar-17		-33d	-287d									
630	CC110100	Excavation	12d	20-Nov-15	03-Dec-15	6d	02-Dec-16	08-Dec-16	0%	-36d	-301d									
631	CC110120	Control Room Footing	9d	04-Dec-15	14-Dec-15	9d	09-Dec-16	19-Dec-16	0%	-36d	-301d									
632	CC110140	Wall, Floor Slab and Stair	15d	15-Dec-15	04-Jan-16	15d	20-Dec-16	09-Jan-17	0%	-36d	-301d									
633	CC110160	Wall and Roof Slab	15d	05-Jan-16	21-Jan-16	15d	10-Jan-17	26-Jan-17	0%	-36d	-301d									
634	CC110180	Parapet	6d	22-Jan-16	28-Jan-16	6d	27-Jan-17	06-Feb-17	0%	-36d	-301d									

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017			
												Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
635	CC110200	Backfill and Formation	6d	29-Jan-16	04-Feb-16	6d	07-Feb-17	13-Feb-17	0%	-36d	-301d								
636	CC110220	Concrete Structure for Weighbridge	17d	05-Feb-16	27-Feb-16	17d	14-Feb-17	04-Mar-17	0%	-36d	-301d								
637	CC110240	ABWF Work	26d	29-Feb-16	01-Apr-16	30d	13-Feb-17	18-Mar-17	0%	-33d	-287d								
638	Miscellaneous Works (Zone #4)		326d	02-Sep-15	07-Oct-16	109d	13-Nov-15 A	31-Mar-17		222d	-143d								
639	3m High Boundary Wall (Type 2)		101d	08-Mar-16	12-Jul-16	58d	05-Apr-16 A	27-Jan-17		-3d	-165d								
640	CC111140	Footing and Wall	75d	08-Mar-16	10-Jun-16	32d	05-Apr-16 A	24-Dec-16	82%	-3d	-165d								
641	CC111160	Backfilling	26d	11-Jun-16	12-Jul-16	26d	28-Dec-16	27-Jan-17	0%	-3d	-165d								
642	Summary		268d	02-Sep-15	29-Jul-16	109d	13-Nov-15 A	31-Mar-17		23d	-201d								
643	CC111220	Boundary Fence (Summary)	48d	02-Jun-16	29-Jul-16	58d	10-Jun-16 A	27-Jan-17	28.4%	74d	-150d								
644	CC111280	Sitewide Drainage (Summary)	146d	17-Sep-15	15-Mar-16	57d	13-Nov-15 A	26-Jan-17	12%	-35d	-258d								
645	CC111300	Sitewide Sewage (Summary)	149d	02-Sep-15	03-Mar-16	57d	13-Nov-15 A	26-Jan-17	15%	-35d	-268d								
646	CC111320	Sitewide Pipe Ducts, Trenches, Drawpits and Utilities (Summary)	142d	05-Dec-15	01-Jun-16	71d	10-Aug-16 A	15-Feb-17	0%	-52d	-211d								
647	CC111340	Site Roadworks (Summary)	47d	02-Jun-16	28-Jul-16	70d	06-Jan-17	31-Mar-17	0%	-32d	-202d								
648	Location Near Building 2 (Part 1)		0d			74d	13-Nov-15 A	18-Feb-17		58d									
649	CC113100	Boundary Fence - Type1, 2 & 3 (Part 1)	0d			41d	18-Nov-16*	07-Jan-17	0%	91d									
650	CC113150	Excavate for Drainage and Sewage (Part 1)	0d			16d	13-Nov-15 A	06-Dec-16	88%	-27d									
651	CC113200	Install Pipes and Construct Manholes for Drainage and Sewage (Part 1)	0d			24d	05-Dec-15 A	16-Dec-16	80.6%	-27d									
652	CC113250	Testing of Drainage and Sewage (Part 1)	0d			27d	05-Apr-16 A	19-Dec-16	75%	-40d									
653	CC113300	Backfilling of Drainage and Sewage (Part 1)	0d			31d	11-Apr-16 A	24-Dec-16	62%	-40d									
654	CC113350	Complete M/H STM-1 & Connect to Existing 500mm Trapezoidal Channel	0d			60d	03-Dec-16	17-Feb-17	0%	55d									
655	CC113500	Sitewide Pipe Ducts, Trenches, Drawpits and Utilities (Part 1)	0d			12d	10-Aug-16 A	04-Jan-17	55.6%	-40d									
656	CC113550	Site Roadworks (Part 1)	0d			35d	06-Jan-17	18-Feb-17	0%	-37d									
657	Location Near Building 1 Fence Wall (Part 2)		0d			86d	20-Apr-16 A	04-Mar-17		245d									
658	CC114100	Boundary Fence - Type1 (part 2)	0d			48d	30-Nov-16	27-Jan-17	0%	74d									
659	CC114150	Excavate for Drainage and Sewage (Part 2)	0d			13d	20-Apr-16 A	06-Dec-16	68%	315d									
660	CC114200	Install Pipes and Construct Manholes for Drainage and Sewage (Part 2)	0d			22d	25-Apr-16 A	13-Dec-16	61%	309d									
661	CC114250	Testing of Drainage and Sewage (Part 2)	0d			28d	18-Jul-16 A	20-Dec-16	55%	303d									
662	CC114300	Backfilling of Drainage and Sewage (Part 2)	0d			32d	05-Sep-16 A	24-Dec-16	30%	-42d									
663	CC114350	Sitewide Pipe Ducts, Trenches, Drawpits and Utilities (Part 2)	0d			36d	26-Sep-16 A	31-Dec-16	22.2%	-17d									
664	CC114400	Site Roadworks (Part 2)	0d			47d	06-Jan-17	04-Mar-17	0%	-49d									
665	Location between Building 1 & AD Farm (Part 3)		0d			109d	16-Aug-16 A	31-Mar-17		83d									
666	CC115100	Excavate for Drainage and Sewage (Part 3)	0d			35d	16-Aug-16 A	30-Dec-16	38%	157d									
667	CC115150	Install Pipes and Construct Manholes for Drainage and Sewage (Part 3)	0d			45d	18-Aug-16 A	12-Jan-17	22.5%	-44d									
668	CC115200	Testing of Drainage and Sewage (Part 3)	0d			45d	05-Sep-16 A	19-Jan-17	18%	-44d									
669	CC115250	Backfilling of Drainage and Sewage (Part 3)	0d			40d	08-Dec-16	26-Jan-17	0%	-44d									
670	CC115300	Sitewide Pipe Ducts, Trenches, Drawpits and Utilities (Part 3)	0d			40d	24-Dec-16	15-Feb-17	0%	-52d									
671	CC115350	Site Roadworks (Part 3)	0d			70d	06-Jan-17	31-Mar-17	0%	-32d									
672	Location between Building 1 & Building 3 (Part 4)		43d	16-Mar-16	10-May-16	94d	15-Apr-16 A	14-Mar-17		80d	-252d								
673	CC111240	Gate House	43d	16-Mar-16	10-May-16	43d	31-Dec-16	23-Feb-17	0%	-25d	-236d								
674	CC116100	Boundary Fence - Type 1 & 4 (Part 4)	0d			38d	10-Jun-16 A	27-Jan-17	60%	116d									
675	CC116150	Excavate for Drainage and Sewage (Part 4)	0d			20d	15-Apr-16 A	10-Dec-16	82%	-13d									
676	CC116200	Install Pipes and Construct Manholes for Drainage and Sewage (Part 4)	0d			25d	05-May-16 A	16-Dec-16	69.3%	-15d									
677	CC116210	Complete M/H STM-2 & Connect to Existing 3m Trapezoidal Channel	0d			25d	12-Aug-16 A	16-Dec-16	80%	-15d									
678	CC116250	Complete Terminal Foulwater M/H and Connect to Existing 225mm Tapping Sewer	0d			22d	08-Jul-16 A	13-Dec-16	85%	-12d									
679	CC116300	Testing of Drainage and Sewage (Part 4)	0d			28d	16-May-16 A	23-Dec-16	75%	-15d									
680	CC116350	Backfilling of Drainage and Sewage (Part 4)	0d			20d	20-Jun-16 A	03-Jan-17	82%	-15d									
681	CC116400	Sitewide Pipe Ducts, Trenches, Drawpits and Utilities (Part 4)	0d			35d	25-Jul-16 A	09-Jan-17	47.7%	-32d									
682	CC116500	Water Meter Cabinet Construction	0d			30d	09-Dec-16*	16-Jan-17	0%	-16d									
683	CC116550	Site Roadworks (Part 4)	0d			55d	06-Jan-17	14-Mar-17	0%	-17d									
684	Location at Natural Terrain (Speworks)		24d	23-Nov-15	19-Dec-15	24d	31-Dec-16	01-Feb-17		73d	-328d								
685	CC111110	Tree felling and transplanting (Natural Terrain - if any)	24d	23-Nov-15	19-Dec-15	24d	31-Dec-16	01-Feb-17	0%	73d	-328d								
686	Roadworks at Portion 2		145d	15-Apr-16	07-Oct-16	46d	04-Jul-16 A	13-Jan-17		285d	-80d								
687	CC111435	Portion 2 Works - Temp. Traffic Management (in Stages) - Summary	0d			46d	04-Jul-16 A	13-Jan-17	71.43%	31d									
688	CC111440	Utilities Diversion - Summary	86d	15-Apr-16	28-Jul-16	12d	04-Jul-16 A	01-Dec-16	92.36%	319d	-105d								

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017			
												Nov	Dec	Jan	Feb	Nov	Dec	Jan	Feb
689	CC111460	Road Construction - Summary	102d	07-Jun-16	07-Oct-16	46d	25-Aug-16 A	13-Jan-17	100%	31d	-80d								
690	CC111520	Connection of FS Main, Fresh Water Main & Flushing Water Main by Authority or Others	0d			8d	23-Nov-16*	01-Dec-16	0%	319d									
691	CC111540	Realign Kerbs for Pavement	0d			0d	25-Aug-16 A	17-Nov-16 A	100%										
692	CC111560	Construct of New Concrete Footpath Pavement and Reinstatement of Verge	0d			7d	02-Dec-16*	09-Dec-16	0%	52d									
693	CC111580	Bitument Pavement Reconstruction	0d			35d	01-Dec-16*	13-Jan-17	0%	31d									
694	CC111620	Relocation of Fire Hydrant and Street Lamp by Authority or Others	0d			8d	23-Nov-16	01-Dec-16	0%	65d									
695	STATUTORY AND UTILITIES WORKS			147d	08-Apr-16	03-Oct-16	119d	02-Nov-16 A	16-Apr-17	41d	-157d								
696	Electricity Supply and Energization - CLP			91d	08-Apr-16	27-Jul-16	50d	02-Nov-16 A	18-Jan-17	-51d	-144d								
697			91d	08-Apr-16	27-Jul-16	50d	02-Nov-16 A	18-Jan-17	-51d	-144d									
698			91d	08-Apr-16	27-Jul-16	50d	02-Nov-16 A	18-Jan-17	-51d	-144d									
699	SW250160	CLP to install HV Switch Boards	90d	22-Apr-16	20-Jul-16	47d	02-Nov-16 A	03-Jan-17	6%	-63d	-167d								
700	SW250175	CLP to install Lead-in Cables	0d			18d	09-Dec-16*	31-Dec-16	0%	-49d									
701	SW250200	CLP to install HV cables	26d	08-Apr-16	09-May-16	5d	24-Dec-16*	31-Dec-16	0%	-49d	-195d								
702	SW250220	Submit WR1 to CLP and CLP inspection	6d	10-May-16	17-May-16	6d	05-Jan-17	11-Jan-17	0%	-51d	-197d								
703	SW250240	CLP install energy meter and energize power	6d	21-Jul-16	27-Jul-16	6d	12-Jan-17	18-Jan-17	0%	-51d	-144d								
704	Plumbing - WSD			26d	30-Jun-16	01-Aug-16	49d	17-Jan-17	17-Mar-17	-20d	-187d								
705			26d	30-Jun-16	01-Aug-16	49d	17-Jan-17	17-Mar-17	-20d	-187d									
706			26d	30-Jun-16	01-Aug-16	49d	17-Jan-17	17-Mar-17	-20d	-187d									
707	SW251990	WSD Connection to Water Meter Cabinet	0d			60d	17-Jan-17	17-Mar-17	0%	-23d									
708	SW252100	Submit Form WW046 Part IV - Request for Inspection (Fresh Water Supply)	0d		30-Jun-16	0d		14-Feb-17	0%	-40d	-155d								
709	SW252120	WSD inspection and reinspection (Fresh Water Supply)	21d	04-Jul-16	01-Aug-16	15d	15-Feb-17	07-Mar-17	0%	-40d	-149d								
710	Drainage - DSD			0d			60d	16-Feb-17	16-Apr-17	52d									
711			0d			60d	16-Feb-17	16-Apr-17	52d										
712			0d			60d	16-Feb-17	16-Apr-17	52d										
713	SW254100	Connection by DSD to Terminal Foulwater MH	0d			60d	16-Feb-17	16-Apr-17	0%	52d									
714	Others			76d	16-Jun-16	03-Oct-16	54d	28-Dec-16	16-Mar-17	11d	-112d								
715			76d	16-Jun-16	03-Oct-16	54d	28-Dec-16	16-Mar-17	11d	-112d									
716			76d	16-Jun-16	03-Oct-16	54d	28-Dec-16	16-Mar-17	11d	-112d									
717	SW260100	Registration of Pressure Vessels (Compressed Air / ASP)	20d	05-Sep-16	03-Oct-16	20d	06-Jan-17	06-Feb-17	0%	39d	-84d								
718	SW260120	Approval for installation of furnaces, ovens or chimneys	20d	24-Jun-16	22-Jul-16	20d	28-Dec-16*	25-Jan-17	0%	-35d	-128d								
719	SW260162	Chemical Waste Producer Registration (Plant)	20d	16-Jun-16	14-Jul-16	20d	17-Feb-17	16-Mar-17	0%	-41d	-168d								
720	METHOD STATEMENT (M.S.) OF E & M INSTALLATION WORKS (INCL. RE-SU)			0d			75d	13-May-16 A	31-Jan-17	279d									
721	Electrical & Control Systems			0d			71d	08-Jul-16 A	27-Jan-17	20d									
722			0d			71d	08-Jul-16 A	27-Jan-17	20d										
723			0d			71d	08-Jul-16 A	27-Jan-17	20d										
724	MS601100	Submit M.S. for Installation of HV Switchboard, HV/LV Transformer and Earthing Transformer	0d			0d		02-Dec-16*	0%	-57d									
725	MS601200	IC Certifies M.S. for Installation of HV Switchboard, HV/LV Transformer and Earthing Transformer	0d			46d	03-Dec-16	17-Jan-17	0%	-57d									
726	MS601400	Submit M.S. for Installation of LV Switchboard and MCC	0d			0d		02-Dec-16*	0%	-59d									
727	MS601500	IC Certifies M.S. for Installation of LV Switchboard and MCC	0d			46d	03-Dec-16	17-Jan-17	0%	-59d									
728	MS602100	IC Certifies M.S. for Installation of Emergency Genset	0d			27d	08-Jul-16 A	14-Dec-16	41.3%	11d									
729	MS602700	IC Certifies M.S. for Installation of Cable	0d			24d	27-Aug-16 A	11-Dec-16	47.83%	-60d									
730	MS603200	Submit M.S. for Installation of Control system (SCADA Panel/LCP)	0d			0d		02-Dec-16*	0%	-64d									
731	MS603300	IC Certifies M.S. for Installation of Control system (SCADA Panel/LCP)	0d			46d	03-Dec-16	17-Jan-17	0%	-64d									
732	MS603500	Submit M.S. for Installation of ELV System	0d			0d		09-Dec-16*	0%	20d									
733	MS603600	IC Certifies M.S. for Installation of ELV System	0d			46d	10-Dec-16	24-Jan-17	0%	20d									
734	MS603900	IC Certifies M.S. for Termination of Fiber Optic Cable	0d			35d	07-Sep-16 A	22-Dec-16	23.91%	32d									
735	MS604700	Submit M.S. for Installation of Earthing System	0d			0d		12-Dec-16*	0%	20d									
736	MS604800	IC Certifies M.S. for Installation of Earthing System	0d			46d	13-Dec-16	27-Jan-17	0%	20d									
737	MS619200	Submit M.S. for Installation of Instrument	0d			0d		12-Dec-16*	0%	-62d									
738	MS619300	IC Certifies M.S. for Installation of Instrument	0d			46d	13-Dec-16	27-Jan-17	0%	-62d									
739	Mechanical and Piping			0d			75d	25-Jun-16 A	31-Jan-17	279d									
740			0d			75d	25-Jun-16 A	31-Jan-17	279d										
741			0d			75d	25-Jun-16 A	31-Jan-17	279d										
742	MS611400	Submit M.S. for Installation of Biogas Storage Tank	0d			0d		07-Dec-16*	0%	-13d									
743	MS611500	IC Certifies M.S. for Installation of Biogas Storage Tank	0d			20d	08-Dec-16	27-Dec-16	0%	-13d									
744	MS612000	Submit M.S. for Installation of Weighbridge	0d			0d		07-Dec-16*	0%	10d									
745	MS612100	IC Certifies M.S. for Installation of Weighbridge	0d			20d	08-Dec-16	27-Dec-16	0%	10d									

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017				
												Nov	Dec	Jan	Feb	Nov	Dec	Jan	Feb	
746	MS612300	Submit M.S. for Installation of Vehicle Washing System	0d			0d		25-Nov-16*	0%	3d										
747	MS612400	IC Certifies M.S. for Installation of Vehicle Washing System	0d			32d	26-Nov-16	27-Dec-16	0%	3d										
748	MS612750	Submit M.S. for Installation of Pipe Racks and Supports	0d			0d		30-Nov-16*	0%	-46d										
749	MS612800	IC Certifies M.S. for Installation of Pipe Racks and Supports	0d			20d	01-Dec-16	20-Dec-16	0%	-46d										
750	MS612802	Submit M.S. for Installation of Pipe Bridge	0d			0d		30-Nov-16*	0%	314d										
751	MS612804	IC Certifies M.S. for Installation of Pipe Bridge	0d			20d	01-Dec-16	20-Dec-16	0%	314d										
752	MS613180	IC Certifies M.S. for Installation of Composting System (Star Screen)	0d			0d	20-Sep-16A	17-Oct-16A	100%											
753	MS614800	IC Certifies M.S. for Installation of Pipeline	0d			20d	02-Aug-16A	07-Dec-16	56.52%	-48d										
754	MS615100	IC Certifies M.S. for Installation of Pumpset and Rotating Equipment	0d			27d	25-Jun-16A	14-Dec-16	41.3%	-56d										
755	MS616500	Submit M.S. for Installation of Mechanical Support and Structure	0d			0d		09-Dec-16*	0%	302d										
756	MS616600	IC Certifies M.S. for Installation of Mechanical Support and Structure	0d			30d	10-Dec-16	08-Jan-17	0%	302d										
757	MS618110	Submit M.S. for Installation of Electric Heater	0d			0d		07-Dec-16*	0%	20d										
758	MS618120	IC Certifies M.S. for Installation of Electric Heater	0d			17d	08-Dec-16	24-Dec-16	0%	20d										
759	MS618520	Submit M.S. for Installation of CHP & ASP Stack	0d			0d		07-Dec-16*	0%	15d										
760	MS618540	IC Certifies M.S. for Installation of CHP & ASP Stack	0d			15d	08-Dec-16	22-Dec-16	0%	15d										
761	MS618740	IC Certifies M.S. for Installation of Wastewater Treatment Plant (WWTP)	0d			53d	26-Aug-16A	09-Jan-17	0%	-31d										
762	MS618900	Submit M.S. for Installation of Lifting Appliance	0d			0d		16-Dec-16*	0%	-25d										
763	MS619000	IC Certifies M.S. for Installation of Lifting Appliance	0d			46d	17-Dec-16	31-Jan-17	0%	-25d										
764	MS619500	Submit M.S. for Installation of Tank	0d			0d		16-Dec-16*	0%	-43d										
765	MS619600	IC Certifies M.S. for Installation of Tank	0d			46d	17-Dec-16	31-Jan-17	0%	-43d										
766	MS619800	Submit M.S. for Labeling of Equipment, Valve and Instrument	0d			0d		30-Dec-16*	0%	-47d										
767	MS619900	IC Certifies M.S. for Labeling of Equipment, Valve and Instrument	0d			30d	31-Dec-16	29-Jan-17	0%	-47d										
768	Building Services		0d			71d	13-May-16A	27-Jan-17		-22d										
769			0d			71d	13-May-16A	27-Jan-17		-22d										
770			0d			71d	13-May-16A	27-Jan-17		-22d										
771	MSS25400	Submit M.S. for Installation of MVAC System	0d			0d		02-Dec-16*	0%	-12d										
772	MSS25500	IC Certifies M.S. for Installation of MVAC System	0d			46d	03-Dec-16	17-Jan-17	0%	-12d										
773	MSS26400	IC Certifies M.S. for Installation of Lift	0d			15d	13-May-16A	02-Dec-16	67.39%	-45d										
774	MSS26500	Submit M.S. for Installation of Lifting Platform	0d			0d		12-Dec-16*	0%	-45d										
775	MSS26600	IC Certifies M.S. for Installation of Lifting Platform	0d			46d	13-Dec-16	27-Jan-17	0%	-45d										
776	E & M INSTALLATION WORKS		285d	15-Dec-15	30-Nov-16	142d	31-Aug-16A	16-May-17		189d	-131d									
777	Waste Receiving, Storage and Feeding System		120d	04-Feb-16	05-Jul-16	135d	04-Jul-16A	08-May-17		-35d	-248d									
778			120d	04-Feb-16	05-Jul-16	135d	04-Jul-16A	08-May-17		-35d	-248d									
779			120d	04-Feb-16	05-Jul-16	135d	04-Jul-16A	08-May-17		-35d	-248d									
780	EM100050	Runway support manufacturing and delivery	0d			0d	04-Jul-16A	27-Oct-16A	100%											
781	EM100100	Installation of Overhead Grabbing System (with Temp. Opening on slab)	24d	18-Apr-16	17-May-16	3d	03-Nov-16A	21-Nov-16	100%	-2d	-156d									
782	EM180250	Cable Tray Laying Works	18d	12-May-16	02-Jun-16	90d	03-Jan-17	25-Apr-17	0%	-35d	-265d									
783	EM180260	Local Control Panel / Switch	0d			75d	20-Jan-17	25-Apr-17	0%	-35d										
784	EM180300	Cabling Works	26d	03-Jun-16	05-Jul-16	75d	03-Feb-17	08-May-17	0%	-35d	-248d									
785	EM190100	Vehicle Washing System	50d	04-Feb-16	09-Apr-16	44d	03-Jan-17	25-Feb-17	0%	-1d	-263d									
786	EM190110	Bin Handling Machine	0d			50d	28-Dec-16	28-Feb-17	0%	15d										
787	EM190120	High Jet Water Spray Gun System	0d			50d	31-Dec-16	03-Mar-17	0%	15d										
788	EM190170	Waste Receiving System Pipework (with Supports)	0d			53d	05-Jan-17	10-Mar-17	0%	9d										
789	Pre-Treatment System		155d	04-Feb-16	15-Aug-16	108d	22-Nov-16	03-Apr-17		220d	-189d									
790			155d	04-Feb-16	15-Aug-16	108d	22-Nov-16	03-Apr-17		220d	-189d									
791			155d	04-Feb-16	15-Aug-16	108d	22-Nov-16	03-Apr-17		220d	-189d									
792	EM100150	Installation of Reception Hopper 1 and Screw Conveyors 1	18d	18-Apr-16	09-May-16	5d	24-Nov-16	29-Nov-16	0%	43d	-169d									
793	EM100200	Installation of Crusher No.1	12d	10-May-16	24-May-16	4d	22-Nov-16	25-Nov-16	0%	43d	-154d									
794	EM100250	Installation of Reception Hopper 2 and Screw Conveyors 2	12d	10-May-16	24-May-16	4d	28-Nov-16	01-Dec-16	0%	43d	-159d									
795	EM100300	Installation of Crusher No.2	18d	25-May-16	15-Jun-16	4d	24-Nov-16*	28-Nov-16	0%	51d	-138d									
796	EM100301	Installation of Piston Pump No.1	0d			4d	05-Dec-16	08-Dec-16	0%	46d										
797	EM100302	Installation of Piston Pump No.2	0d			3d	05-Dec-16	07-Dec-16	0%	43d										
798	EM100350	Installation of Central Sump Pump	18d	16-Jun-16	07-Jul-16	18d	05-Jan-17	25-Jan-17	0%	8d	-167d									
799	EM100351	Installation of Lobe Pump	0d			8d	09-Jan-17	17-Jan-17	0%	15d										

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017		
												Nov	Dec	Jan	Feb	Jan	Feb	
800	EM100352	Installation of Macerators	0d			7d	10-Jan-17*	17-Jan-17	0%	15d								
801	EM100353	Installation of Int. Suspension Buffer Tank Jet Mixer	0d			7d	10-Jan-17*	17-Jan-17	0%	15d								
802	EM100354	Installation of Bollfilter	0d			7d	10-Jan-17*	17-Jan-17	0%	15d								
803	EM100356	Installation of Centrifuge Pumps	0d			6d	11-Jan-17	17-Jan-17	0%	15d								
804	EM100358	Installation of Vertical Mixer	0d			18d	07-Jan-17*	27-Jan-17	0%	6d								
805	EM100362	Installation of Platform (Pre-treatment)	0d			24d	21-Jan-17	21-Feb-17	0%	-12d								
806	EM100364	Installation of Control Panels (Pre-treatment)	0d			19d	11-Feb-17	04-Mar-17	0%	-22d								
807	EM100370	Installation of Mixing Tank No.1	0d			5d	07-Dec-16*	12-Dec-16	0%	-1d								
808	EM100400	Installation of Sieve Drum No.1	28d	04-Feb-16	10-Mar-16	8d	07-Dec-16	15-Dec-16	0%	-1d	-229d							
809	EM100420	Installation of Mixing Tank No.2	0d			5d	07-Dec-16*	12-Dec-16	0%	306d								
810	EM100450	Installation of Sieve Drum No.2	28d	11-Mar-16	16-Apr-16	8d	07-Dec-16	15-Dec-16	0%	16d	-201d							
811	EM100500	Installation of Sand Grit Trap No 1	12d	18-Apr-16	30-Apr-16	8d	08-Dec-16	16-Dec-16	0%	10d	-190d							
812	EM100550	Installation of Sand Grit Trap No 2	12d	03-May-16	17-May-16	8d	08-Dec-16	16-Dec-16	0%	306d	-178d							
813	EM100600	Installation of Heavy/ Light Fraction Screw No 1	12d	18-May-16	31-May-16	7d	16-Dec-16	23-Dec-16	0%	-1d	-172d							
814	EM100650	Installation of Heavy/ Light Fraction Screw No 2	12d	01-Jun-16	15-Jun-16	8d	29-Dec-16	07-Jan-17	0%	-1d	-170d							
815	EM100660	Installation of Belt Conveyor	0d			8d	05-Jan-17	13-Jan-17	0%	-6d								
816	EM100670	Metal Separator No.1	0d			9d	09-Jan-17	18-Jan-17	0%	-6d								
817	EM100680	Metal Separator No.2	0d			9d	09-Jan-17	18-Jan-17	0%	-6d								
818	EM100700	Installation of Overhead Travelling Crane	18d	18-Apr-16	09-May-16	10d	20-Dec-16	03-Jan-17	0%	9d	-196d							
819	EM100720	Installation of Monorail (Crusher Area)	0d			8d	14-Jan-17*	23-Jan-17	0%	10d								
820	EM100780	Pre-treatment System Pipework (with Supports and Racks)	0d			27d	29-Dec-16*	02-Feb-17	0%	4d								
821	EM100781	Pre-treatment System Instrumentation and Control	0d			14d	14-Jan-17	02-Feb-17	0%	4d								
822	EM100782	Installation of Skip Rail Guide	0d			76d	22-Nov-16*	24-Feb-17	0%	-15d								
823	EM100800	Cable Tray Laying Work	92d	04-Feb-16	31-May-16	50d	16-Dec-16	18-Feb-17	0%	-47d	-215d							
824	EM100810	Local Control Panel / Switch	0d			25d	18-Jan-17	18-Feb-17	0%	-47d								
825	EM100850	Cabling Works	100d	16-Mar-16	19-Jul-16	50d	18-Jan-17	20-Mar-17	0%	-47d	-200d							
826	EM10095B	Remaining Cabling and Building Services Works on 1/F	75d	18-May-16	15-Aug-16	51d	03-Feb-17	03-Apr-17	0%	-47d	-189d							
827	Installation of Control Panels			41d	18-Apr-16	06-Jun-16	23d	14-Jan-17	13-Feb-17		-11d	-205d						
828	Installation of Control Panels			41d	18-Apr-16	06-Jun-16	23d	14-Jan-17	13-Feb-17		-11d	-205d						
829	EM101040	Installation of MCC Panels at Pre-treatment MCC Room	0d			18d	14-Jan-17	07-Feb-17	0%	-36d								
830	EM101050	Installation of Control and Package Panels at Pre-treatment MCC Room	41d	18-Apr-16	06-Jun-16	23d	14-Jan-17	13-Feb-17	0%	-11d	-205d							
831	Anaerobic Digestion Treatment System			179d	04-Feb-16	12-Sep-16	119d	11-May-16 A	13-Apr-17		-39d	-173d						
832	Anaerobic Digestion Treatment System			179d	04-Feb-16	12-Sep-16	119d	11-May-16 A	13-Apr-17		-39d	-173d						
833	Anaerobic Digestion Treatment System			179d	04-Feb-16	12-Sep-16	119d	11-May-16 A	13-Apr-17		-39d	-173d						
834	EM100750	Installation of Suspension buffer tank & Testing	32d	04-Feb-16	15-Mar-16	21d	01-Aug-16 A	12-Dec-16	87.21%	16d	-222d							
835	EM100760	Installation of Suspension buffer tank Insulation & Cladding	0d			27d	13-Dec-16*	16-Jan-17	0%	16d								
836	EM110100	Installation of Digester Tank No.1 & Testing	87d	29-Mar-16	13-Jul-16	0d	11-May-16 A	17-Oct-16 A	100%		-79d							
837	EM110110	Installation of Digester Tank No.1 Insulation & Cladding	0d			14d	18-Oct-16 A	03-Dec-16	0%	-47d								
838	EM110150	Installation of Digester Tank No.2 & Testing	87d	14-Apr-16	28-Jul-16	0d	11-May-16 A	14-Nov-16 A	100%		-90d							
839	EM110160	Installation of Digester Tank No.2 Insulation & Cladding	0d			46d	05-Dec-16*	02-Feb-17	0%	-47d								
840	EM110200	Installation of Digester Tank No.3 & Testing	87d	29-Apr-16	12-Aug-16	19d	25-Jul-16 A	09-Dec-16	81%	-38d	-99d							
841	EM110205	Installation of Digester Tank No.3 Insulation & Cladding	0d			46d	10-Dec-16*	08-Feb-17	0%	-38d								
842	EM110300	Installation of Pumping and Jet Mixing System	18d	03-Aug-16	23-Aug-16	79d	15-Dec-16	23-Mar-17	0%	-43d	-173d							
843	EM110310	Installation of Heat Exchangers	0d			53d	15-Dec-16*	21-Feb-17	0%	-43d								
844	EM110320	Installation of Overflow Tanks	0d			22d	19-Jan-17	16-Feb-17	0%	-17d								
845	EM110330	Installation of Pressure Relief Valves	0d			30d	15-Dec-16*	21-Jan-17	0%	17d								
846	EM110350	Installation of Odour Extraction Ductworks	39d	29-Jul-16	12-Sep-16	39d	03-Dec-16	20-Jan-17	0%	-3d	-106d							
847	EM110400	Installation of Intermediate Digestate Tank	12d	24-Aug-16	06-Sep-16	12d	01-Feb-17	14-Feb-17	0%	-5d	-129d							
848	EM110405	Installation of Racks and Supports (AD Area - Pipe Rack 1,3,4)	0d			85d	21-Dec-16	06-Apr-17	0%	-39d								
849	EM110408	Installation of Monorail (Suspension Buffer Pump Room)	0d			30d	01-Feb-17	07-Mar-17	0%	-8d								
850	EM110410	Anaerobic Digestion Treatment System Pipework	0d			90d	22-Dec-16	13-Apr-17	0%	-43d								
851	EM110420	Cable Tray Laying Work	92d	06-Apr-16	26-Jul-16	55d	08-Feb-17	13-Apr-17	0%	-43d	-214d							
852	Installation of Control Panels			39d	29-Mar-16	16-May-16	23d	03-Jan-17	01-Feb-17		21d	-213d						

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016		2017	
												Nov	Dec	Jan	Feb
853			39d	29-Mar-16	16-May-16	23d	03-Jan-17	01-Feb-17		21d	-213d				
854	EM110490	Installation of MCC Panels at AD MCC Room	0d			18d	03-Jan-17	23-Jan-17	0%						Installation of MCC Panels at AD MCC Room
855	EM110500	Installation of Control and Package Panels at AD MCC Room	39d	29-Mar-16	16-May-16	23d	03-Jan-17	01-Feb-17	0%	21d	-213d				Installation of Control and
856	Heat Recovery and Power Generation System		126d	04-Jul-16	30-Nov-16	113d	14-Sep-16 A	06-Apr-17		14d	-102d				
857			126d	04-Jul-16	30-Nov-16	113d	14-Sep-16 A	06-Apr-17		14d	-102d				
858			126d	04-Jul-16	30-Nov-16	113d	14-Sep-16 A	06-Apr-17		14d	-102d				
859	EM120100	Installation of Combine Heat Power System no 1 (Summary)	39d	04-Jul-16	17-Aug-16	35d	14-Sep-16 A	30-Dec-16	53.33%	5d	-111d				Installation of Combine Heat Power System no 1 (Summary)
860	EM120150	Installation of Combine Heat Power System no 2 (Summary)	40d	18-Aug-16	05-Oct-16	35d	14-Sep-16 A	30-Dec-16	53.33%	5d	-71d				Installation of Combine Heat Power System no 2 (Summary)
861	EM120200	Installation of Combine Heat Power System no 3 (Summary)	40d	06-Oct-16	22-Nov-16	35d	14-Sep-16 A	30-Dec-16	53.33%	5d	-31d				Installation of Combine Heat Power System no 3 (Summary)
862	EM120220	Installation of Combine Heat Power System Accessories no. 1 to 3	0d			26d	29-Nov-16*	30-Dec-16	0%	5d					Installation of Combine Heat Power System Accessories no. 1 to 3
863	EM120260	Installation of CHP Stack	0d			26d	12-Jan-17	14-Feb-17	0%	-4d					Installation of CHP Stack
864	EM120320	Heat Recovery and Power Generation System Pipework	0d			78d	31-Dec-16	06-Apr-17	0%	14d					Heat Recovery and Power Generation System Pipework
865	EM120350	Installation of Continuous Emissions Monitoring System (CEMS)	26d	01-Nov-16	30-Nov-16	26d	18-Jan-17	20-Feb-17	0%	31d	-64d				Installation of Continuous Emissions Monitoring System (CEMS)
866	EM120400	Cable Tray Laying Works	26d	01-Nov-16	30-Nov-16	14d	12-Dec-16*	29-Dec-16	0%	31d	-23d				Cable Tray Laying Works
867	EM120410	Local Control Panel / Switch	0d			15d	30-Dec-16	17-Jan-17	0%	31d					Local Control Panel / Switch
868	EM120450	Cabling Works	39d	17-Oct-16	30-Nov-16	20d	18-Jan-17	13-Feb-17	0%	31d	-58d				Cabling Works
869	Installation of Control Panels		0d			23d	18-Jan-17	16-Feb-17		16d					
870			0d			23d	18-Jan-17	16-Feb-17		16d					
871	EM19011H	Installation of MCC Panels at Heat Recovery & CHP MCC Rooms	0d			18d	18-Jan-17	10-Feb-17	0%	-33d					Installation of MCC Panels at Heat Recovery & CHP MCC Rooms
872	EM19021H	Installation of Control and Package Panels at Heat Recovery & CHP MCC Rooms	0d			23d	18-Jan-17	16-Feb-17	0%	16d					Installation of Control and Package Panels at Heat Recovery & CHP MCC Rooms
873	Biogas Cleaning and Storage System		95d	02-Jul-16	24-Oct-16	119d	22-Sep-16 A	13-Apr-17		-7d	-140d				
874			95d	02-Jul-16	24-Oct-16	119d	22-Sep-16 A	13-Apr-17		-7d	-140d				
875			95d	02-Jul-16	24-Oct-16	119d	22-Sep-16 A	13-Apr-17		-7d	-140d				
876	EM130100	Installation of Bio Gas Cleaning System no.1 (Desulphurisation)	26d	02-Jul-16	01-Aug-16	31d	22-Sep-16 A	23-Dec-16	70%	34d	-121d				Installation of Bio Gas Cleaning System no.1 (Desulphurisation)
877	EM130150	Installation of Bio Gas Cleaning System no.2 (Desulphurisation)	26d	02-Aug-16	31-Aug-16	31d	22-Sep-16 A	23-Dec-16	70%	23d	-95d				Installation of Bio Gas Cleaning System no.2 (Desulphurisation)
878	EM130200	Installation of Bio Gas Storage Tank	26d	01-Sep-16	03-Oct-16	27d	03-Jan-17	06-Feb-17	0%	-13d	-101d				Installation of Bio Gas Storage Tank
879	EM130350	Biogas Cleaning and Storage System Pipework	31d	15-Sep-16	24-Oct-16	66d	23-Jan-17	13-Apr-17	0%	-19d	-140d				Biogas Cleaning and Storage System Pipework
880	EM130400	Cable Tray Laying Works	39d	01-Sep-16	19-Oct-16	60d	31-Dec-16	16-Mar-17	0%	17d	-120d				Cable Tray Laying Works
881	EM130410	Local Control Panel / Switch	0d			25d	10-Feb-17	10-Mar-17	0%	17d					Local Control Panel / Switch
882	Biogas Distribution System		57d	02-Jul-16	06-Sep-16	112d	21-Sep-16 A	04-Apr-17		-3d	-171d				
883			57d	02-Jul-16	06-Sep-16	112d	21-Sep-16 A	04-Apr-17		-3d	-171d				
884			57d	02-Jul-16	06-Sep-16	112d	21-Sep-16 A	04-Apr-17		-3d	-171d				
885	EM130250	Installation of Standby Flaring Gas Unit	18d	02-Jul-16	22-Jul-16	10d	21-Sep-16 A	29-Nov-16	90%	-10d	-108d				Installation of Standby Flaring Gas Unit
886	EM130260	Installation of Biogas Blowers	18d	02-Jul-16	22-Jul-16	10d	26-Sep-16 A	29-Nov-16	90%	68d	-108d				Installation of Biogas Blowers
887	EM130270	Installation of Biogas Cooling and Condensate Removal System	18d	02-Jul-16	22-Jul-16	30d	05-Jan-17	11-Feb-17	0%	30d	-166d				Installation of Biogas Cooling and Condensate Removal System
888	EM130272	Installation of Racks and Supports (Biogas Area - Pipe Rack 2)	0d			72d	30-Dec-16	28-Mar-17	0%	-15d					Installation of Racks and Supports (Biogas Area - Pipe Rack 2)
889	EM130275	Biogas Distribution System Pipework	0d			50d	06-Feb-17	04-Apr-17	0%	-12d					Biogas Distribution System Pipework
890	EM130278	Carbon Filters	0d			28d	23-Sep-16 A	20-Dec-16	80%	81d					Carbon Filters
891	EM130280	Cable Tray Laying Works	39d	23-Jul-16	06-Sep-16	30d	06-Feb-17	11-Mar-17	0%	6d	-151d				Cable Tray Laying Works
892	Installation of Control Panels		0d			23d	01-Feb-17	27-Feb-17		11d					
893			0d			23d	01-Feb-17	27-Feb-17		11d					
894	EM19011G	Installation of MCC Panels at Biogas MCC Rooms	0d			18d	01-Feb-17	21-Feb-17	0%	-42d					Installation of MCC Panels at Biogas MCC Rooms
895	EM19021G	Installation of Control and Package Panels at Biogas MCC Rooms	0d			23d	01-Feb-17	27-Feb-17	0%	11d					Installation of Control and Package Panels at Biogas MCC Rooms
896	Wastewater Treatment System		104d	04-Feb-16	15-Jun-16	130d	23-Sep-16 A	29-Apr-17		-27d	-259d				
897			88d	26-Feb-16	15-Jun-16	130d	23-Sep-16 A	29-Apr-17		-27d	-259d				
898			88d	26-Feb-16	15-Jun-16	130d	23-Sep-16 A	29-Apr-17		-27d	-259d				
899	EM140100	Installation of Pumping System and associated pipework	40d	26-Feb-16	16-Apr-16	40d	19-Jan-17	09-Mar-17	0%	-31d	-267d				Installation of Pumping System and associated pipework
900	EM140300	Installation of Ammonia Stripping Plant	51d	14-Apr-16	15-Jun-16	52d	23-Sep-16 A	20-Jan-17	7.86%	-26d	-181d				Installation of Ammonia Stripping Plant
901	EM140330	Wastewater Treatment System Pipework	0d			74d	26-Jan-17	29-Apr-17	0%	-30d					Wastewater Treatment System Pipework
902	EM140340	Primary Sedimentation Tank (Conical Tank)	0d			20d	01-Feb-17*	23-Feb-17	0%	25d					Primary Sedimentation Tank (Conical Tank)
903	EM140345	Installation of ASP Stack	0d			26d	21-Jan-17	23-Feb-17	0%	-12d					Installation of ASP Stack
904	EM140348	Diesel Tank Installation (ASP)	0d			23d	21-Jan-17	20-Feb-17	0%	-20d					Diesel Tank Installation (ASP)
905	EM140350	Cable Tray Laying Works	21d	18-Apr-16	12-May-16	60d	06-Feb-17	20-Apr-17	0%	-31d	-278d				Cable Tray Laying Works
906	Installation of Control Panels		41d	04-Feb-16	29-Mar-16	24d	19-Jan-17	18-Feb-17		-8d	-266d				
907			41d	04-Feb-16	29-Mar-16	24d	19-Jan-17	18-Feb-17		-8d	-266d				
908	EM170240	Installation of MCC Panels at WWTP MCC Room	0d			18d	19-Jan-17	11-Feb-17	0%	-40d					Installation of MCC Panels at WWTP MCC Room
909	EM170250	Installation of Control and Package Panels at WWTP MCC Room	41d	04-Feb-16	29-Mar-16	24d	19-Jan-17	18-Feb-17	0%	-8d	-266d				Installation of Control and Package Panels at WWTP MCC Room
910	Composting System		144d	24-May-16	12-Nov-16	104d	23-Sep-16 A	25-Mar-17		227d	-108d				
911	Installation of Tunnel Composting 1 to 6		51d	22-Aug-16	22-Oct-16	71d	23-Sep-16 A	15-Feb-17		51d	-93d				Installation of Tunnel Composting 1 to 6

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017			
												Nov	Dec	Jan	Feb	Nov	Dec	Jan	Feb
912	EM160120	Installation of Tiles	51d	22-Aug-16	22-Oct-16	71d	23-Sep-16 A	15-Feb-17	65%	51d	-93d								
913	EM160150	Installation of Water Spraying System / Pipework	51d	22-Aug-16	22-Oct-16	42d	22-Dec-16*	15-Feb-17	0%	51d	-93d								
914	EM160160	Installation of Composting Pipework Instrumentation and Control	0d			22d	18-Jan-17	15-Feb-17	0%	51d									
915	EM160201	Installation of Tunnel Doors	0d			24d	16-Jan-17*	15-Feb-17	0%	51d									
916	EM160203	Installation of Heat Exchanger, High Pressure Fans, Hot Water Pumps	0d			26d	08-Dec-16	10-Jan-17	0%	79d									
917	EM160203	Installation of Heat Exchanger, High Pressure Fans, Hot Water Pumps	0d			26d	08-Dec-16	10-Jan-17	0%	79d									
918	Installation of Leachate Treatment System			18d	24-Oct-16	12-Nov-16	60d	29-Dec-16	13-Mar-17	29d	-97d								
919	EM160200	Installation of Leachate Treatment System / Pipework	18d	24-Oct-16	12-Nov-16	60d	29-Dec-16	13-Mar-17	0%	29d	-97d								
920	EM160210	Leachate Pump Chamber, Pump Installation	0d			45d	05-Jan-17	01-Mar-17	0%	39d									
921	EM160210	Leachate Pump Chamber, Pump Installation	0d			45d	05-Jan-17	01-Mar-17	0%	39d									
922	Installation of Maturation Area			102d	24-May-16	22-Sep-16	96d	28-Sep-16 A	16-Mar-17	235d	-142d								
923	EM160250	Installation of Air Extraction System / Ductwork (Maturation Area)	18d	22-Aug-16	10-Sep-16	66d	12-Dec-16	04-Mar-17	0%	245d	-141d								
924	EM160300	Installation of Star Screen Unit	9d	12-Sep-16	22-Sep-16	7d	14-Nov-16 A	25-Nov-16	63.16%	157d	-53d								
925	EM160400	Installation of Mixing Unit	2d	24-May-16	25-May-16	25d	16-Feb-17*	16-Mar-17	0%	86d	-242d								
926	EM160450	Cable Tray Laying Works	9d	26-May-16	04-Jun-16	59d	28-Sep-16 A	01-Feb-17	1.67%	63d	-196d								
927	EM160460	Local Control Panel / Switch	0d			20d	06-Jan-17	01-Feb-17	0%	63d									
928	EM160500	Cabling Works	12d	06-Jun-16	20-Jun-16	45d	05-Dec-16	01-Feb-17	0%	63d	-184d								
929	EM160500	Cabling Works	12d	06-Jun-16	20-Jun-16	45d	05-Dec-16	01-Feb-17	0%	63d	-184d								
930	Installation of Structurant Storage Area			38d	24-May-16	08-Jul-16	66d	28-Dec-16	18-Mar-17	18d	-208d								
931	EM160550	Installation of Air Extraction System / Ductwork (Structurant Storage Area)	26d	24-May-16	23-Jun-16	66d	28-Dec-16*	18-Mar-17	0%	18d	-220d								
932	EM160650	Cable Tray Laying Works	12d	24-Jun-16	08-Jul-16	36d	26-Jan-17	13-Mar-17	0%	18d	-202d								
933	EM160650	Cable Tray Laying Works	12d	24-Jun-16	08-Jul-16	36d	26-Jan-17	13-Mar-17	0%	18d	-202d								
934	Installation of Digestate Dewatering System			60d	16-Jul-16	24-Sep-16	104d	28-Sep-16 A	25-Mar-17	18d	-148d								
935	EM160620	Installation of Monorail (Dewatering)	0d			10d	28-Dec-16	09-Jan-17	0%	37d									
936	EM160750	Installation of Centrifuges	9d	16-Jul-16	26-Jul-16	10d	30-Dec-16*	11-Jan-17	0%	11d	-139d								
937	EM160754	Installation of Platform (Dewatering Area)	0d			25d	19-Jan-17	20-Feb-17	0%	-1d									
938	EM160760	Installation of Polymer Storage Tank	0d			18d	31-Dec-16	21-Jan-17	0%	20d									
939	EM160764	Installation of Polymer Feed Pumps	0d			18d	23-Jan-17	15-Feb-17	0%	2d									
940	EM160900	Installation of Centrate Tank	4d	17-Aug-16	20-Aug-16	18d	28-Dec-16	18-Jan-17	0%	-1d	-123d								
941	EM160970	Digestate Dewatering System Pipework (with Supports)	0d			45d	26-Jan-17	22-Mar-17	0%	-1d									
942	EM161000	Cable Tray Laying Work	43d	22-Jul-16	09-Sep-16	59d	28-Sep-16 A	01-Feb-17	1.67%	63d	-115d								
943	EM161010	Local Control Panel / Switch	0d			20d	06-Jan-17	01-Feb-17	0%	63d									
944	EM161050	Cabling Works	43d	05-Aug-16	24-Sep-16	45d	02-Feb-17	25-Mar-17	0%	18d	-148d								
945	EM161050	Cabling Works	43d	05-Aug-16	24-Sep-16	45d	02-Feb-17	25-Mar-17	0%	18d	-148d								
946	Installation of Control Panels			39d	24-May-16	09-Jul-16	24d	21-Dec-16	20-Jan-17	70d	-161d								
947	EM161140	Installation of MCC Panels at Composting MCC Rooms	0d			18d	21-Dec-16	13-Jan-17	0%	58d									
948	EM161150	Installation of Control and Package Panels at Composting MCC Rooms	39d	24-May-16	09-Jul-16	24d	21-Dec-16	20-Jan-17	0%	70d	-161d								
949	EM161155	Installation of MCC Panels at Dewatering MCC Rooms	0d			18d	21-Dec-16	13-Jan-17	0%	40d									
950	EM161160	Installation of Control and Package Panels at Dewatering MCC Rooms	0d			24d	21-Dec-16	20-Jan-17	0%	70d									
951	EM161160	Installation of Control and Package Panels at Dewatering MCC Rooms	0d			24d	21-Dec-16	20-Jan-17	0%	70d									
952	Centralized Air Pollution Control System			108d	18-Apr-16	25-Aug-16	123d	21-Jul-16 A	21-Apr-17	-39d	-192d								
953	EM150100	Installation of Chemical Scrubber in Building 1	26d	18-Apr-16	19-May-16	26d	20-Dec-16	21-Jan-17	0%	-17d	-204d								
954	EM150150	Installation of Dosing Pumps and associated pipeworks in Building 1	26d	28-Apr-16	30-May-16	20d	08-Feb-17	02-Mar-17	0%	-48d	-226d								
955	EM150200	Installation of Activated Carbon Filter in Building 1	26d	31-May-16	30-Jun-16	26d	20-Dec-16	21-Jan-17	0%	31d	-169d								
956	EM150250	Installation of Odour Extraction Duct Work, Associated Accessories and Stack Unit in Building 1	77d	26-May-16	25-Aug-16	62d	04-Feb-17	21-Apr-17	0%	-39d	-192d								
957	EM150305	Air Extraction Fans in Building 1	0d			35d	20-Dec-16	04-Feb-17	0%	22d									
958	EM150310	Wet Scrubber, Venturi Scrubber, Air Extraction Fans in Building 2	0d			25d	21-Jul-16 A	16-Dec-16	72.22%	1d									
959	EM150315	Installation of Odour Extraction Duct Work & Associated Accessories in Building 2	0d			66d	12-Dec-16*	04-Mar-17	0%	-2d									
960	EM150317	Installation of CAPCS Instrumentation and Control in Building 2	0d			22d	08-Feb-17	04-Mar-17	0%	-2d									
961	EM150320	Installation of Odour Extraction Duct Work & Associated Accessories in AD Tank Area	0d			40d	17-Feb-17	04-Apr-17	0%	-28d									
962	EM150350	Cable Tray Laying Works	34d	20-May-16	29-Jun-16	35d	23-Dec-16	08-Feb-17	0%	7d	-182d								
963	EM150360	Local Control Panel / Switch	0d			25d	07-Jan-17	08-Feb-17	0%	13d									
964	EM150400	Cabling Works	26d	30-Jun-16	30-Jul-16	35d	10-Jan-17	22-Feb-17	0%	7d	-168d								
965	EM150400	Cabling Works	26d	30-Jun-16	30-Jul-16	35d	10-Jan-17	22-Feb-17	0%	7d	-168d								
966	EM150400	Cabling Works	26d	30-Jun-16	30-Jul-16	35d	10-Jan-17	22-Feb-17	0%	7d	-168d								
967	Process Utilities (Compressed Air, Process Water, Process Clean Water)			0d			72d	31-Dec-16	29-Mar-17	4d									

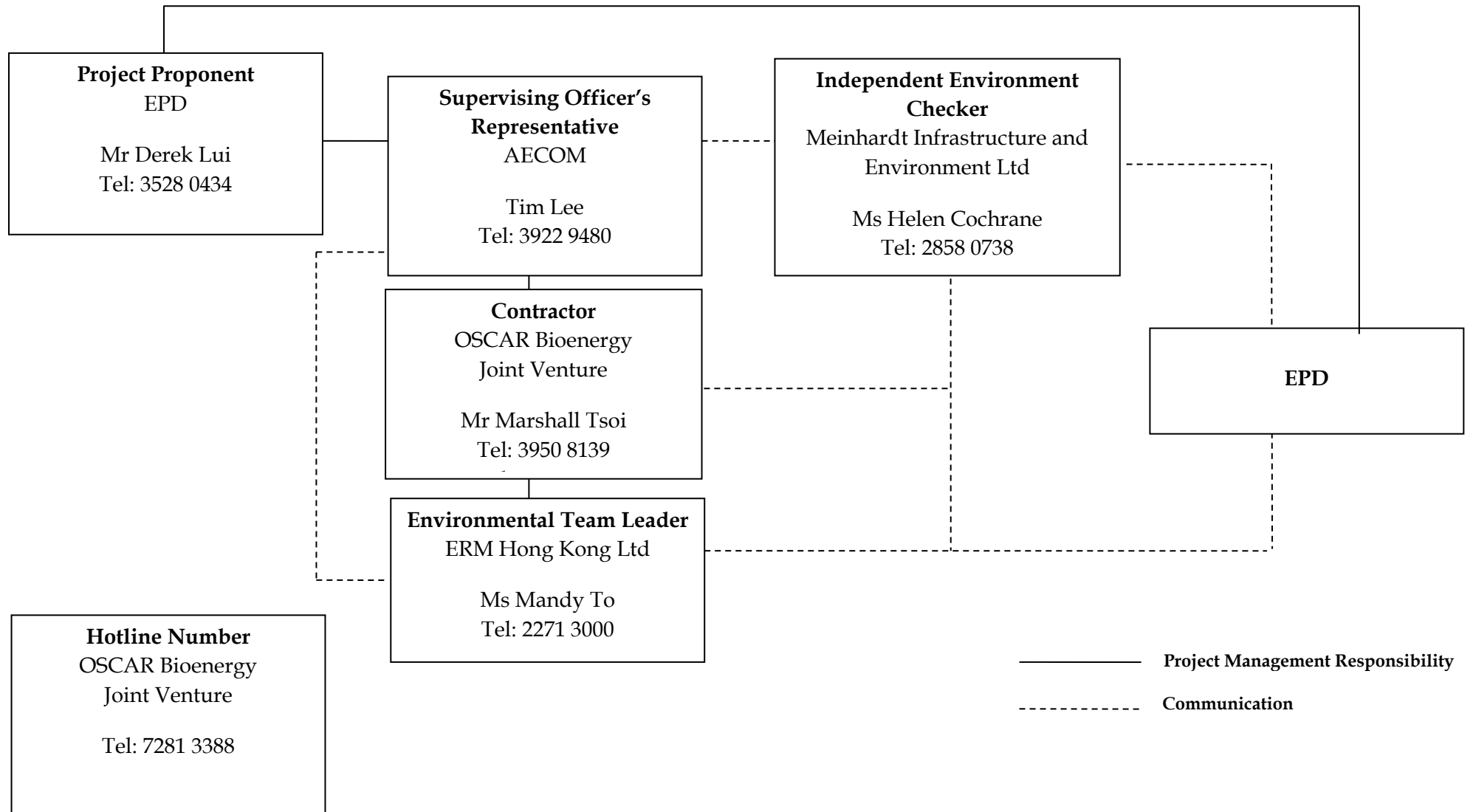
#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017	
												Nov	Dec	Jan	Feb	Jan	Feb
968			0d			72d	31-Dec-16	29-Mar-17		4d							
969			0d			72d	31-Dec-16	29-Mar-17		4d							
970	EM210150	Installation of Compressed Air System	0d			54d	31-Dec-16	08-Mar-17	0%	-10d							
971	EM210160	Air Compressor Installation in Building 1	0d			22d	24-Jan-17	21-Feb-17	0%	-29d							
972	EM210170	Compressed Air Pipework (All Buildings)	0d			45d	24-Jan-17	20-Mar-17	0%	-19d							
973	EM210200	Installation of Process Water System	0d			16d	17-Jan-17	07-Feb-17	0%	-51d							
974	EM210210	Process Water Pump Installation in Building 1 Pre-treatment Plant	0d			20d	05-Jan-17	27-Jan-17	0%	-45d							
975	EM210220	Process Water Pipework Installation (All Buildings)	0d			35d	05-Jan-17	17-Feb-17	0%	-44d							
976	EM210230	Process Water Instrumentation and Control Installation (All Buildings)	0d			15d	01-Feb-17	17-Feb-17	0%	-44d							
977	EM210260	Process Clean Water Pump Installation in Building 1	0d			24d	15-Feb-17	14-Mar-17	0%	-47d							
978	EM210270	Process Clean Water Pipework Installation (All Buildings)	0d			45d	18-Jan-17	14-Mar-17	0%	-47d							
979	EM210300	Cable Tray Laying Works	0d			50d	20-Jan-17	22-Mar-17	0%	4d							
980	EM210350	Cabling Works	0d			40d	11-Feb-17	29-Mar-17	0%	4d							
981	Hot Water System			39d	29-Aug-16	15-Oct-16	74d	21-Dec-16	23-Mar-17	-29d	-130d						
982			39d	29-Aug-16	15-Oct-16	74d	21-Dec-16	23-Mar-17	-29d	-130d							
983			39d	29-Aug-16	15-Oct-16	74d	21-Dec-16	23-Mar-17	-29d	-130d							
984	EM120300	Installation of Electric Boiler / Heater	39d	29-Aug-16	15-Oct-16	15d	28-Dec-16*	14-Jan-17	0%	14d	-75d						
985	EM210100	Installation of Hot Water Pumps	0d			22d	10-Jan-17	07-Feb-17	0%	-41d							
986	EM210105	Installation of Hot Water Piping	0d			48d	24-Jan-17	23-Mar-17	0%	-41d							
987	EM210115	Installation of Break Tank	0d			40d	10-Jan-17	28-Feb-17	0%	-21d							
988	EM210120	Installation of Magnetic Filter	0d			28d	24-Jan-17	28-Feb-17	0%	-29d							
989	EM210130	Installation of Soft Water System	0d			48d	21-Dec-16*	21-Feb-17	0%	-3d							
990	Building Services Installation			90d	18-Apr-16	04-Aug-16	142d	24-Jun-16 A	16-May-17	-13d	-229d						
991	Building #1 (Waste Receiving, Pre-treatment & Admin. Building)			0d			110d	28-Dec-16	16-May-17	-40d							
992			0d			110d	28-Dec-16	16-May-17	-40d								
993	EMBS1100	Building #1 MVAC System	0d			67d	28-Dec-16	20-Mar-17	0%	-22d							
994	EMBS1150	Building #1 Fire Services System	0d			80d	28-Dec-16	04-Apr-17	0%	-35d							
995	EMBS1200	Building #1 Plumbing & Drainage System / Solar Hot Water System	0d			45d	28-Dec-16	22-Feb-17	0%	-17d							
996	EMBS1250	Building #1 BS Installation of Central Control Room at M/F Grid 11-13/M-N	0d			60d	31-Dec-16	15-Mar-17	0%	-37d							
997	EMBS1300	Building #1 Lighting and Electrical Installation	0d			90d	21-Jan-17	16-May-17	0%	-40d							
998	Building #1 (Administration Offices & Visitor Areas)			90d	18-Apr-16	04-Aug-16	94d	26-Oct-16 A	06-Apr-17	-36d	-200d						
999			90d	18-Apr-16	04-Aug-16	94d	26-Oct-16 A	06-Apr-17	-36d	-200d							
1000	EM17010B	Building Service Installation of Administration Offices	37d	18-Apr-16	01-Jun-16	53d	26-Oct-16 A	10-Mar-17	0%	-34d	-231d						
1001	EM17012B	Lift Installation of Administration Offices	60d	25-May-16	04-Aug-16	80d	10-Dec-16	20-Mar-17	0%	-45d	-186d						
1002	EM17013B	Lifting Platform Installation	0d			55d	01-Feb-17	06-Apr-17	0%	-36d							
1003	Building #2 (Composting & Maturation Building)			0d			112d	24-Jun-16 A	04-Apr-17	-41d							
1004			0d			112d	24-Jun-16 A	04-Apr-17	-41d								
1005	EMBS2000	Building #2 MVAC System	0d			46d	08-Aug-16 A	09-Feb-17	16.94%	-9d							
1006	EMBS2050	Building #2 Fire Services System	0d			44d	24-Jun-16 A	22-Feb-17	50.58%	-43d							
1007	EMBS2100	Building #2 Plumbing & Drainage System	0d			60d	26-Jul-16 A	02-Feb-17	20.45%	-3d							
1008	EMBS2150	Building #2 Lighting and Electrical Installation	0d			60d	21-Jan-17	04-Apr-17	0%	-41d							
1009	Building #3 (Energy Centre)			0d			70d	20-Sep-16 A	28-Feb-17	15d							
1010			0d			70d	20-Sep-16 A	28-Feb-17	15d								
1011	EMBS3000	Building #3 MVAC System	0d			23d	21-Sep-16 A	14-Feb-17	1.47%	-20d							
1012	EMBS3050	Building #3 Fire Services System	0d			60d	20-Sep-16 A	22-Feb-17	0.79%	-43d							
1013	EMBS3100	Building #3 Plumbing & Drainage System	0d			60d	13-Dec-16	27-Feb-17	0%	-15d							
1014	EMBS3150	Building #3 Lighting and Electrical Installation	0d			70d	02-Dec-16	28-Feb-17	0%	15d							
1015	Anaerobic Digesters Area			0d			68d	30-Dec-16	23-Mar-17	-25d							
1016			0d			68d	30-Dec-16	23-Mar-17	-25d								
1017	EMBS4000	Anaerobic Digesters Area MVAC System	0d			45d	16-Jan-17	11-Mar-17	0%	-31d							
1018	EMBS4050	Anaerobic Digesters Area Fire Services System	0d			45d	04-Jan-17	28-Feb-17	0%	-5d							
1019	EMBS4100	Anaerobic Digesters Area Plumbing & Drainage System	0d			50d	30-Dec-16	02-Mar-17	0%	-24d							
1020	EMBS6060	Anaerobic Digesters Area Lighting & Electrical System	0d			50d	21-Jan-17	23-Mar-17	0%	-36d							
1021	Biogas Cleaning & Storage Tank, Desulphurization/Biogas Plant Rm., Desulphurization Tank			0d			57d	21-Jan-17	31-Mar-17	20d							
1022			0d			57d	21-Jan-17	31-Mar-17	20d								
1023	EMBS5000	Biogas Area MVAC System	0d			30d	02-Feb-17	08-Mar-17	0%	-12d							
1024	EMBS5050	Biogas Area Fire Services System	0d			21d	21-Jan-17	17-Feb-17	0%	-48d							

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	Activity % Complete	Total Float	Variance - BL Project Finish Date	2016				2017	
												Nov	Dec	Jan	Feb	Jan	Feb
1025	EMBS5100	Biogas Area Plumbing & Drainage System	0d			21d	21-Jan-17	17-Feb-17	0%	-48d							
1026	EMBS6070	Biogas Area Lighting & Electrical System	0d			50d	02-Feb-17	31-Mar-17	0%	20d							
1027	General		212d	15-Dec-15	02-Sep-16	119d	31-Aug-15 A	13-Apr-17		10d	-181d						
1028	Transformer Room (by OSCAR)		0d			44d	24-Nov-16	17-Jan-17		-51d							
1029	EM190600	Building services installation in Transformer Room	0d			44d	24-Nov-16	17-Jan-17		-51d							
1030	EM190620	Install 11kV / 380V Transformers and cables	0d			37d	24-Nov-16	09-Jan-17	0%	-51d							
1031	EM190640	11kV Switchgear and cables Installation	0d			44d	24-Nov-16	17-Jan-17	0%	-51d							
1032	Electrical, Instrumentation & Control		212d	15-Dec-15	02-Sep-16	119d	31-Aug-15 A	13-Apr-17		10d	-181d						
1033	EM190150	Instrumentation, Control & Monitoring System (SCADA/PLC)	103d	18-Apr-16	19-Aug-16	70d	18-Jan-17	13-Apr-17	0%	-52d	-193d						
1034	EM19021B	Installation of Main LV Switch Board	100d	18-Apr-16	16-Aug-16	32d	21-Dec-16	02-Feb-17	0%	-52d	-137d						
1035	EM190220	Cabling works (from Main LVSB to MCC)	0d			45d	19-Jan-17	15-Mar-17	0%	-52d							
1036	EM19022B	Cables and Accessories, Cable Containment System Installation	115d	18-Apr-16	02-Sep-16	96d	13-Dec-16	11-Apr-17	0%	-52d	-179d						
1037	EM19023B	Earthing and Lightning System Installation	210d	15-Dec-15	31-Aug-16	90d	31-Aug-15 A	09-Mar-17	73%	8d	-154d						
1038	EM19024D	Diesel Tank Installation (Genset)	0d			20d	01-Feb-17	23-Feb-17	0%	-31d							
1039	EM19030B	ELV System Installation	60d	22-Jun-16	31-Aug-16	60d	01-Feb-17	12-Apr-17	0%	11d	-182d						
1040	General		0d			108d	30-Nov-16	12-Apr-17		-33d							
1041	EM19065B	Pipe Bridge (AD Link to Building 1 & 2 - Pipe Crossing 1 & 2)	0d			47d	16-Feb-17	12-Apr-17	0%	-47d							
1042	EM200060	Lifting Appliances, Monorail	0d			45d	01-Feb-17	24-Mar-17	0%	-18d							
1043	EM200070	Roller Shutters (Local)	0d			45d	30-Nov-16	24-Jan-17	0%	30d							
1044	EM200080	Roller Shutters (UK)	0d			45d	11-Jan-17	07-Mar-17	0%	-3d							
1045	Energisation of Switchboards		1d	28-Jul-16	28-Jul-16	35d	03-Feb-17	15-Mar-17		27d	-188d						
1046	EN100050	Energisation of Switchboard (Transformer Room)	0d			1d	03-Feb-17	03-Feb-17	0%	-52d							
1047	EN100100	Energisation of Switchboard (Main LV Switchroom)	1d	28-Jul-16	28-Jul-16	1d	08-Feb-17	08-Feb-17	0%	-42d	-158d						
1048	EN100150	Energisation of MCC (For Anaerobic Digestion System)	1d	28-Jul-16	28-Jul-16	12d	08-Feb-17	21-Feb-17	0%	-20d	-169d						
1049	EN100250	Energisation of MCC (For Composting System)	1d	28-Jul-16	28-Jul-16	24d	16-Feb-17	15-Mar-17	0%	27d	-188d						
1050	EN100280	Energisation of MCC (For Dewatering System)	0d			24d	16-Feb-17	15-Mar-17	0%	9d							
1051	EN100400	Energisation of MCC (For Heat Recovery and Power Generation System)	0d			12d	08-Feb-17	21-Feb-17	0%	-36d							
1052	EN100450	Energisation of MCC (For Biogas Storage and Cleaning System)	0d			12d	15-Feb-17	28-Feb-17	0%	-42d							
1053	TESTING AND COMMISSIONING		0d			16d	08-Feb-17	25-Feb-17		-51d							
1054	Site Acceptance Test (SAT) - incl. hydraulic testing & pipe pressure testing (with ER)		0d			16d	08-Feb-17	25-Feb-17		-51d							
1055	TC100320	SAT of Process Water + Recycling	0d			16d	08-Feb-17	25-Feb-17	0%	-51d							

Annex D

Project Organization Chart with Contact Details

Project Organization During Construction Phase (with contact details)



Annex E

Implementation Schedule of Mitigation Measures

Annex E Summary of Mitigation Measures Implementation Schedule

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
<i>Summary of Environmental Mitigation Measures in the EIA and EM&A Manual</i>				
A. Air Quality				
3.73	2.5	<p><u>Air Pollution Control (Construction Dust) Regulation & Good Site Practices</u></p> <ul style="list-style-type: none"> • Use of regular watering, with complete coverage, to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather. • Use of frequent watering for particularly dusty construction areas and areas close to ASRs. • Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering should be applied to aggregate fines. • Open stockpiles should be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs. • Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. • Establishment and use of vehicle wheel and body washing facilities at the exit points of the site. • Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading points, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods. • Imposition of speed controls for vehicles on unpaved site roads. 8 kilometers per hour is the recommended limit. • Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs. • Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides. • Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed. • Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system. 	Construction Site / During Construction Period	<>
B. Hazard to Life				
4.102	3.3	<p><u>Construction Phase</u></p> <ul style="list-style-type: none"> • The number of workers on site during construction stage should be kept at the same level as 	Construction Site / During Construction Period	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		<p>the assessment.</p> <ul style="list-style-type: none"> • Construction works should be suspended when delivery of chlorine takes place. • 3m high fence should be constructed along the boundary facing the SHWWTW. • Emergency evacuation procedures should be formulated and the Contractor should ensure all workers on site should be familiar with these procedures as well as the route to escape in case of gas release incident. Relevant Departments, such as Fire Services Department (FSD), should be consulted during the development of Emergency procedures. Diagram showing the escape routes to a safe place should be posted in the site notice boards and at the entrance/exit of site. A copy of the latest version emergency procedures should be dispatched to Tung Chung Fire Station for reference once available. • The emergency procedures should specify means of providing a rapid and direct warning (e.g. Siren and Flashing Light) to construction workers in the event of chlorine gas release in the SHWWTW. • The Contractor should establish a communication channel with the SHWWTW operation personnel and FSD during construction stage. In case of any hazardous incidents in the treatment works, operation personnel of SHWWTW should advise the Contractor to inform construction workers to proceed with emergency procedure. The Contractor should appoint a Liaison Officer to communicate with FSD Incident Commander on site in case of emergency. • Introduction training should be provided to any staff before carryout construction works at the Project site. • Periodic drills should be coordinated and conducted to ensure all construction personnel are familiar with the emergency procedures. Upon completion of the drills, a review on every step taken should be conducted to identify area of improvement. Prior notice of periodic drills should be given to Station Commander of Tung Chung Fire Station. Joint operational exercise with FSD and SHWWTW is recommended. 		
<i>C. Water Quality</i>				
5.44	4.5	<p><u>Construction site run-off and general construction activities:</u> The mitigation measures as outlined in the ProPECC PN 1/94 Construction Site Drainage should be adopted where applicable.</p>	Construction Site / During Construction Period	<>
5.45	4.5	<p><u>Excavation of Soil Materials</u> The construction programme should be properly planned to minimise soil excavation, if any, in rainy seasons. This prevents soil erosion from exposed soil surfaces. Any exposed soil surfaces should also be properly protected to minimise dust emission. In areas where a large amount of exposed soils exist, earth bunds or sand bags should be provided. Exposed stockpiles should be covered with tarpaulin or impervious sheets at all times. The stockpiles of</p>	Construction Site / During Construction Period	<>

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		materials should be placed at locations away from any stream courses so as to avoid releasing materials into the water bodies. Final surfaces of earthworks should be compacted and protected by permanent work.		
5.46	4.5	<u>Accidental spillage of chemicals:</u> Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	Construction Site / During Construction Period	√
5.47	4.5	Maintenance of vehicles and equipments involving activities with potential for leakage and spillage should only be undertaken within the areas which appropriately equipped to control these discharges.	Construction Site / During Construction Period	√
5.48	4.5	Oils and fuels should only be used and stored in designated areas which have pollution prevention facilities. All fuel tanks and storage areas should be sited on sealed areas in order to prevent spillage of fuels and solvents to the nearby watercourses. All waste oils and fuels should be collected in designated tanks prior to disposal.	Construction Site / During Construction Period	<>
5.49	4.5	Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows: <ul style="list-style-type: none"> • Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport. • Chemical waste containers should be suitably labeled, to notify and warn the personnel who are handling the wastes, to avoid accidents. • Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area. 	Construction Site / During Construction Period	<>
5.50		Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid entering to the nearby watercourses. Stockpiles of cement and other construction materials should be kept covered when not being used. Rubbish and litter from construction sites should also be collected to prevent spreading of rubbish and litter from the site area. It is recommended to clean the construction sites on a regular basis.	Construction Site / During Construction Period	<>
5.51	4.5	<u>Sewage Effluent</u>	Work site/During the	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		The presence of construction workers generates sewage. It is recommended to provide sufficient chemical toilets in the works areas. The toilet facilities should be more than 30m from any watercourse. A licensed waste collector should be deployed to clean the chemical toilets on a regular basis.	construction period	
5.52	4.5	Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the project. Regular environmental audit on the construction site can provide an effective control of any malpractices and can achieve continual improvement of environmental performance on site.	Work Site / During Construction Period	√
5.53	4.5	<p><u>Nullah Decking</u></p> <p>To minimize the potential water quality impacts from the nullah reconstruction works, the practices outlined below should be adopted where applicable:</p> <ul style="list-style-type: none"> • The proposed works should be carried out within the dry season between October and March when the flow in the open nullah is low. • The use of less or smaller construction plants may be specified to reduce the disturbance to the nullah bed. • Temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction materials should be located well away from the nullah and any water courses during carrying out of the construction works. • Stockpiling of construction materials and dusty materials should be covered and located away from the nullah any water courses. • Construction debris and spoil should be covered up and/or disposed of as soon as possible to avoid being washed into the nullah and nearby water receivers. • Construction activities, which generate large amount of wastewater, should be carried out in a distance away from the nullah, where practicable. • Construction effluent, site run-off and sewage should be properly collected and/or treated. • Any works site inside the nullah should be temporarily isolated, such as by placing of sandbags or silt curtains with lead edge at bottom and properly supported props to prevent adverse impact on the water quality. • Proper shoring may need to be erected in order to prevent soil/mud from slipping into the nullah and nearby watercourse. • Supervisory staff should be assigned to station 	Work Site / During Construction Period	N/A
<i>D. Waste Management</i>				
6.41	5.4	<u>Good Site Practices</u>	Work Site / During	<>

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		<p>Recommendations for good site practices during the construction phase would include:</p> <ul style="list-style-type: none"> • Obtain relevant waste disposal permits from appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354) and subsidiary Regulations and the Land (Miscellaneous Provisions) Ordinance (Cap. 28); • Provide staff training for proper waste management and chemical handling procedures; • Provide sufficient waste disposal points and regular waste collection; • Provide appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; • Carry out regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; • Separate chemical wastes for special handling and disposed of to licensed facility for treatment; and • Employ licensed waste collector to collect waste. 	Construction Period	
6.42	5.5	<p><u>Waste Reduction Measures</u></p> <p>Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include:</p> <ul style="list-style-type: none"> • Design foundation works that could minimise the amount of excavated material to be generated; • Provide training to workers on the importance of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling; • Sort out demolition debris and excavated materials from demolition works to recover reusable/ recyclable portions (i.e. soil, broken concrete, metal etc.); • Segregate and store different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal; • Encourage the collection of aluminium cans by providing separate labelled bins to enable this waste to be segregated from other general refuse generated by the workforce; and • Plan and stock construction materials carefully to minimize the amount of waste to be generated and to avoid unnecessary generation of waste. 	Work Site/ During Design & Construction Period	<>
6.44	5.7	<p><u>Excavated and C&D Materials</u></p> <p>In order to minimise the impact resulting from collection and transportation of C&D material for off-site disposal, the excavated material arising from site formation and foundation works should be reused on-site as backfilling material and for landscaping works as far as practicable. Other mitigation requirements are listed below:</p> <ul style="list-style-type: none"> • A WMP, which becomes part of the Environmental Management Plan (EMP), should be prepared in accordance with ETWB TCW No.19/2005; 	Work Site/ During Design & Construction Period	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		<ul style="list-style-type: none"> • A recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites) should be adopted for easy tracking; and • In order to monitor the disposal of excavated and C&D material at public filling facilities and landfills and to control fly-tipping, a trip-ticket system should be adopted (refer to ETWB TCW No. 31/2004). 		
6.45 – 6.46	5.8 – 5.9	<p>An EMP should be prepared and implemented in accordance with ETWB TCW No. 19/2005 which describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different categories of waste to be generated from construction activities. The EMP should be submitted to the Supervising Officer (SO) and Supervising Officer's Representative (SOR) for approval. The EMP should be reviewed regularly and updated, preferably on a monthly basis.</p> <p>A system should be devised to work for on-site sorting of excavated and C&D materials and promptly removing all sorted and process materials arising from the construction activities to minimize temporary stockpiling on-site. The system should be included in the EMP identifying the source of generation, estimated quantity, arrangement for on-site sorting, collection, temporary storage areas and frequency of collection by recycling Contractors or frequency of removal off-site.</p>	Work Site/During Design & Construction Period	√
6.47	5.10	<p><u>Chemical Waste</u></p> <p>Should chemical wastes be produced at the construction site, the Contractor would be required to register with EPD as a Chemical Waste Producer and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste (such as explosive, flammable, oxidizing, irritant, toxic, harmful, or corrosive). The Contractor should employ a licensed collector to transport and dispose of the chemical wastes, to either the CWTC in Tsing Yi, or any other licensed facilities, in accordance with the Waste Disposal (Chemical Waste) General Regulation.</p>	Work Site / During Construction Period	<>
6.48	5.11	<p><u>General Refuse</u></p> <p>General refuse should be stored in enclosed bins or compaction units separated from C&D material. A licensed waste collector should be employed by the contractor to remove general refuse from the site, separately from C&D material. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.</p>	Work Site / During Construction Period	<>
<i>E. Landscape and Visual</i>				
7.99 & Table 7.7	Table 6.1	<p><u>Construction Phase</u></p> <ul style="list-style-type: none"> • Topsoil, where identified, should be stripped and stored for re-use in the construction of the 	Work site/During Design & Construction Stages	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		soft landscape works, where practical <ul style="list-style-type: none"> • Compensatory tree planting should be provided to compensate for felled trees. <ul style="list-style-type: none"> - Compensation tree species shall be chosen from both indigenous and ornamental species - Compensatory tree planting quantities shall be as per DLO approved requirement. • Control of night-time lighting • Erection of decorative screen hoarding compatible with the surrounding setting 		
<i>F. Noise</i>				
8.25	7.3	Good Site Practice: <ul style="list-style-type: none"> • Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program; • Mobile plant, if any, should be sited as far from noise sensitive receivers (NSRs) as possible; • Machines and plant (such as trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; • Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs; and • Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities. 	Work site/During Design & Construction Stages	√

Remark:

- √ Compliance of Mitigation Measures
- <> Compliance of Mitigation but need improvement
- x Non-compliance of Mitigation Measures
- ▲ Non-compliance of Mitigation Measures but rectified by OSCAR Bioenergy JV
- Δ Deficiency of Mitigation Measures but rectified by OSCAR Bioenergy JV
- N/A Not Applicable in Reporting Period

Annex F

Waste Flow Table

**No. EP/SP/61/10 of Organic Waste Treatment Facilities Phase I
Monthly Summary Waste Flow Table**

Month	Actual Quantities of Inert C&D Materials Generated					Actual Quantities of Non-inert C&D Materials (Construction Waste) Generated				
	Total Quantity Generated	Reused in the Contract	Reused in other Projects	Hard Rocks & Large Broken Concrete	Disposed as Public Fill	Metals (see Note 1)	Paper/ cardboard packaging (see Note 1)	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse (see Note 3)
	tonne	tonne	tonne	tonne	tonne	kilogram	kilogram	kilogram	Litre	tonne
May 2015	29.58	0.00	0.00	0.00	29.58	0.00	0.00	0.00	0.00	0.00
June 2015	2226.90	0.00	0.00	0.00	2226.90	0.00	0.00	0.00	0.00	9.66
July 2015	2832.27	0.00	0.00	0.00	2832.27	0.00	0.00	0.00	0.00	33.68
August 2015	6657.25	0.00	0.00	0.00	6657.25	0.00	20.00	0.00	0.00	55.06
September 2015	5467.05	0.00	0.00	0.00	5467.05	3480.00	0.00	0.00	0.00	83.81
October 2015	5419.04	0.00	0.00	0.00	5419.04	18710.00	0.00	0.00	0.00	20.45
November 2015	1375.26	0.00	0.00	0.00	1375.26	21610.00	0.00	0.00	0.00	17.38
December 2015	2199.56	75.28	0.00	0.00	2124.28	0.00	41.00	0.00	0.00	21.83
January 2016	4601.43	0.00	0.00	0.00	4601.43	18140.00	50.00	0.00	640.00	20.86
February 2016	4167.01	0.00	0.00	0.00	4167.01	510.00	79.00	0.00	0.00	16.57
March 2016	299.92	41.28	0.00	0.00	258.64	22320.00	75.00	0.00	0.00	22.69
April 2016	3186.37	98.37	0.00	0.00	3088.00	60690.00	77.00	0.00	255.00	37.63
May 2016	1612.33	63.41	0.00	0.00	1548.92	13490.00	35000.00	0.00	0.00	40.76
June 2016	1144.73	30.43	0.00	0.00	1114.30	14600.00	120.00	0.00	0.00	58.34
July 2016	662.76	0.00	0.00	0.00	662.76	13370.00	0.00	0.00	0.00	40.48
August 2016	391.88	0.00	0.00	0.00	391.88	18660.00	84.00	0.00	0.00	61.91
September 2016	324.35	0.00	0.00	0.00	324.35	56800.00	2780.00	0.00	0.00	138.25
October	1561.82	0.00	39.00	0.00	1522.82	40000	9300.00	0.00	700.00	114.47
November	897.23 (See Note 4)	507.94	00.00	0.00	389.76	0.00	123000.00	0.00	0.00	154.22

Total	45074.12	816.24	39.00	0.00	44218.88	302380.00	170626.00	0.00	1595.00	948.05
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- Notes:
- (1) Metal and paper/cardboard packaging were collected by recycler for recycling.
 - (2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material collected by recycler for recycling.
 - (3) General refuse was disposed of at NENT by subcontractors.
 - (4) In total, 897.23 tonnes of inert C&D material were generated from the Project, of which the 389.76 tonnes were disposed as public fill to Fill Bank at Tuen Mun Area 38 in reporting period.

Annex G

Environmental Complaint,
Environmental Summons
and Persecution Log

Annex G Cumulative Complaint and Summons/Prosecutions Log

Reporting Month	Number of Complaints in Reporting Month	Number of Summons/Prosecutions in Reporting Month
May 2015	0	0
June 2015	0	0
July 2015	0	0
August 2015	0	0
September 2015	0	0
October 2015	0	0
November 2015	0	0
December 2015	0	0
January 2016	0	0
February 2016	0	0
March 2016	0	0
April 2016	0	0
May 2016	0	0
June 2016	0	0
July 2016	0	0
August 2016	0	0
September 2016	0	0
October 2016	0	0

Reporting Month	Number of Complaints in Reporting Month	Number of Summons/Prosecutions in Reporting Month
November 2016	0	0
Overall Total	0	0

Annex H

Investigation Report of Environmental Non- Compliance

OSCAR Bioenergy Joint Venture

Contract No. EP/SP/61/10
Organic Waste Treatment Facilities
Phase 1:
Non-Compliance Investigation Report

27 September 2016

Environmental Resources Management

16/F, Berkshire House,
25 Westlands Road,
Quarry Bay, Hong Kong
Telephone: (852) 2271 3000
Facsimile: (852) 2723 5660
E-mail: post.hk@erm.com
<http://www.erm.com>

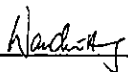


INVESTIGATION REPORT

OSCAR Bioenergy Joint Venture

Contract No. EP/SP/61/10
Organic Waste Treatment Facilities
Phase 1:
Non-Compliance Investigation Report

27 September 2016

Reference 0279222

For and on behalf of ERM-Hong Kong, Limited	
Approved by:	Frank Wan
Signed:	
Position:	Partner
Certified by:	 (Environmental Team Leader - Mandy To)
Certified by:	 (Independent Environmental Checker - Helen Cochrane)
Date:	27 September 2016

Investigation Report of Environmental Non-Compliance

Date	25 Aug 2016
Time	09:45 a.m.
Monitoring Location	Temporary waste water treatment facilities at P1 of the Site (Detailed location and photos shown on the marked drawing DR-PSC-00-0CN-1005 attached as Appendix A)
Weather	Fine
Parameter	Water (WPCO Effluent Discharge License attached as Appendix B)
Incident Description	<ol style="list-style-type: none"> 1. Po Shing is OSCAR's civil work subcontractor who is responsible to construct, operate and maintain the site waste water treatment facilities. 2. In mid-August 2016, OSCAR requested Po Shing to replace the honeycomb filter of a sedimentation tank in order to ensure the site waste water treatment facilities can maintain its performance. 3. On 25 August 2016, Po Shing assigned a worker to carry out some preparation works for filter replacement by using some water to clean the sedimentation tank (Cleaning procedure attached as Appendix C). 4. During the cleaning process, the labour mistakenly disconnected the piping between the sedimentation tank and the subsequent waste water treatment tank. 5. The washing water flowed out through the overflow pipe to the ground. 6. Some of excess washing water eventually split into the Nullah for about 5 minutes. 7. Sand bag were provided along the edge of Nullah since March 2016 to avoid surface runoff entering the Nullah from P1 (Photos attached as Appendix D). During the incident period, the sand bags were still placed there.
Action Taken / Action to be Taken	<ol style="list-style-type: none"> 1. Upon becoming aware of this incident, OSCAR immediately stopped the cleansing process and all operations relating to the waste water treatment tank in the morning of 25 August 2016. 2. Two water samples had been taken under the supervision of EPD's and ER's representatives. The first water sample was taken at the discharge point on 25 August

	<p>2016 and failed to pass the standards stipulated in the WPCO Effluent Discharge License. A second water sample was taken on 9 September 2016 which complied with the standards in the WPCO Effluent Discharge License. (The laboratory testing reports were attached as Appendix E).</p> <ol style="list-style-type: none"> 3. During the period where the wastewater treatment plant was not in operation, effluent was firstly collected in a sump pit for participation and soak away before pumping to the sedimentation tank. 4. Cleaning process will be resumed once training is provided. During cleaning, all works will be carried out under close supervision of the assigned competent persons. 5. Contractor will use concrete to properly cover all the sand bags and stabilize the sands dropped from broken sand bags to avoid the sands washed into the Nullah by surface runoff.
<p>Remedial Works and Follow-up Actions</p>	<p>After the event, OSCAR immediately enforce the following actions to prevent the recurrence of the similar incident:</p> <ol style="list-style-type: none"> 1. In-House Rule A set of in-house rules to govern the procedures of operation and maintenance for the waste water treatment system will be prepared and strictly imposed on site, which include the designation of competent person and the correct method of cleaning the tanks. 2. Training Training has been provided to the site personnel for the operation and maintenance of the waste water treatment system, particularly during maintenance and dismantling any part of the waste water treatment system (Training record is attached as Appendix F). 3. Supervision OSCAR will assign site supervisor to monitor future filter replacement works to ensure that all washing water will be retained in the waste water treatment tank and treated before discharge.

OSCAR Bioenergy Joint Venture
EP/SP/61/10 - Organic Waste Treatment Facilities Phase 1

	Operation of the wastewater treatment plant will be resumed upon notification to the Independent Consultant and the Engineer Representative.
--	--

Prepared by: Leah Pak, ET representative

Date 28-September-2016

Appendix A

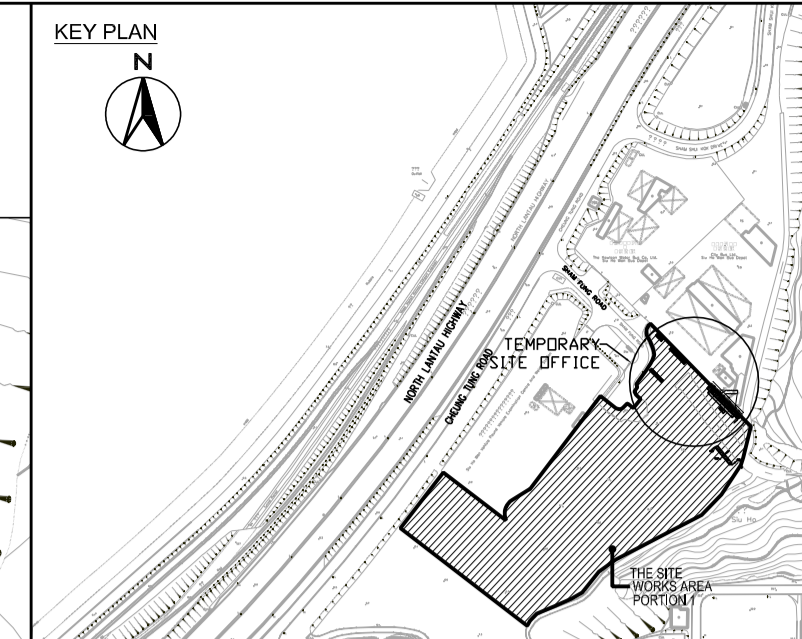
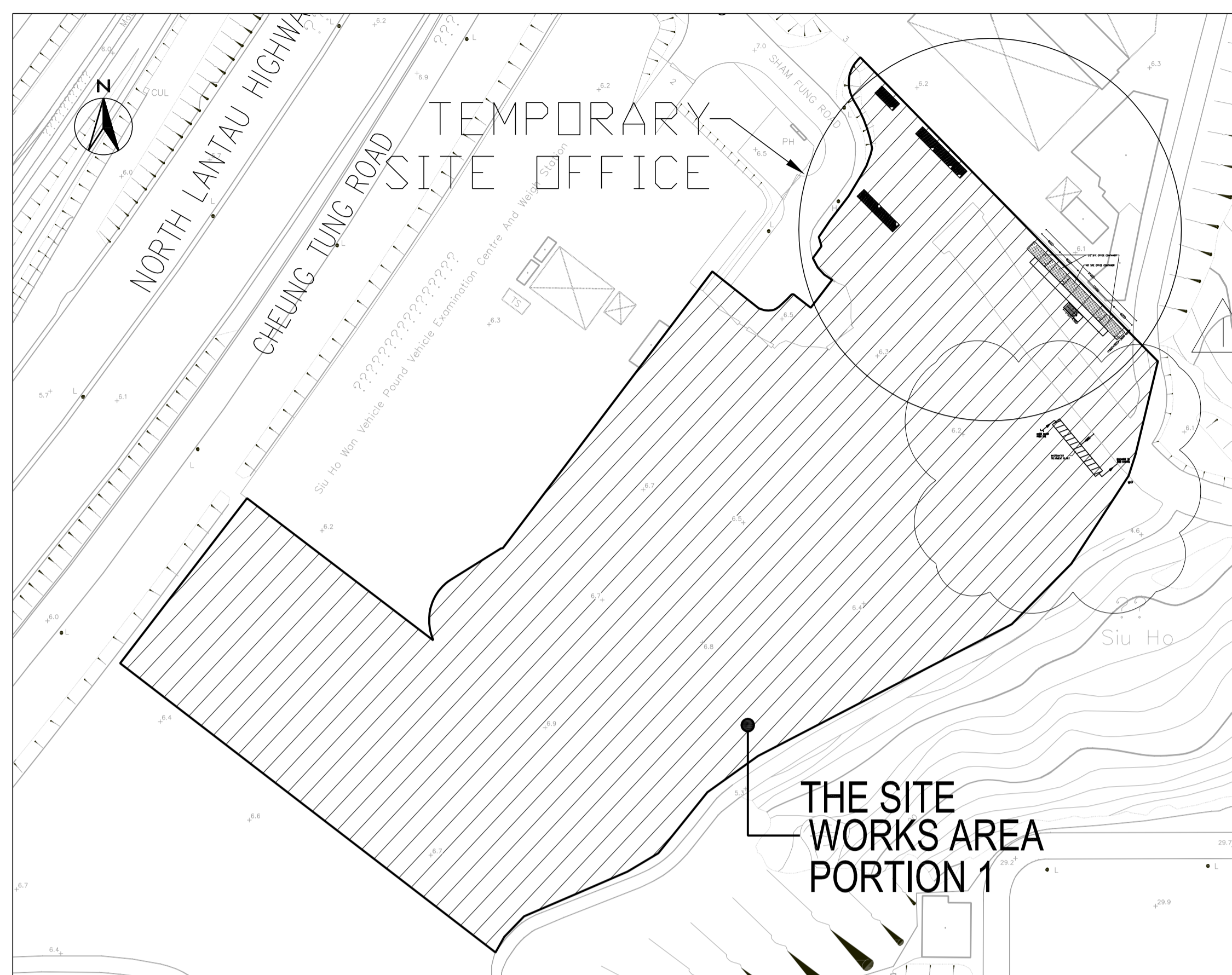
Project Layout



Photo shows the Waste Water Treatment Facility and DSD Nullah

BLOCK PLAN

1:1000 IN A1



- GENERAL NOTES**
ALL DIMENSIONS ARE IN MILLIMETER, UNLESS OTHERWISE SPECIFIED.
- LEGEND**
- 1-STORY SITE OFFICE CONTAINER
 - 2-STORY SITE OFFICE CONTAINER
 - LOT BOUNDARY
 - ACCESS FOR DSD MAINTENANCE
 - TEMPORARY SITE OFFICE TRANSFER RELOCATED AFTER DSD/DL'S APPROVAL OF LAND USE
 - 3000 CLEARANCE ACCESS FOR DSD MAINTENANCE

REV	DATE	BY	APP	DESCRIPTION
I	24 MAR 2015	LL	CL	ADDED WASTEWATER TREATMENT PLANT
H	17 NOV 2015	LL	CL	REVISED LAYOUT
G	29 AUG 2015	LL	CL	RESPOND TO DSD COMMENT
F	26 MAY 2015	LL	CL	RESPOND TO IC COMMENT
E	14 MAY 2015	LL	CL	RESPOND TO IC COMMENT
D	14 APR 2015	KS	CL	REVISED SUBMISSION
C	2 APR 2015	KS	CL	REVISED SUBMISSION

CLIENT
ENVIRONMENTAL PROTECTION DEPARTMENT
GOVERNMENT OF THE HKSAR

CLIENT'S CONSULTANT
AECOM
AECOM ASIA CO. LTD.

CONTRACTOR
SUEZ ATAL RosRoca
OSCAR Bioenergy Joint Venture

LEAD DESIGNER
ARUP
Ove Arup & Partners Hong Kong Limited

ENVIRONMENTAL TEAM
ERM
ERM HONG KONG LIMITED

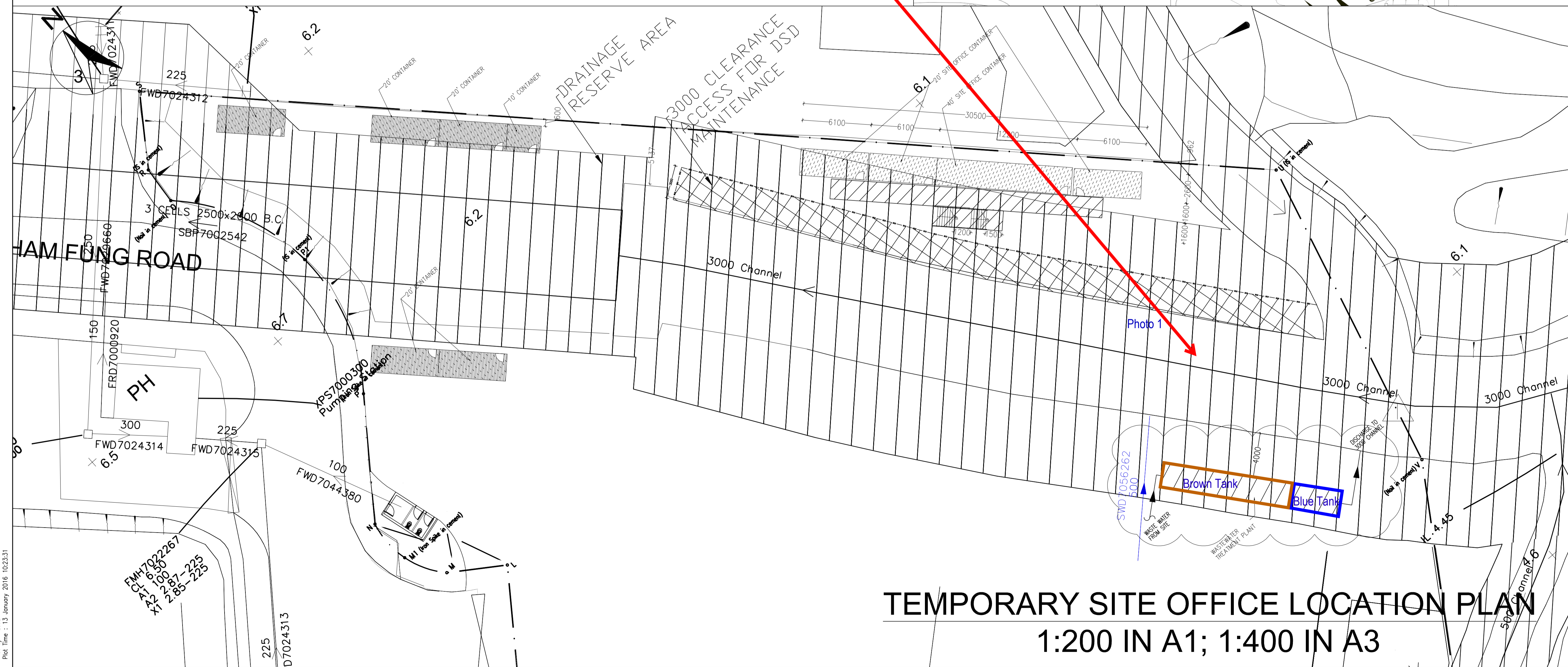
INDEPENDENT CONSULTANTS
MEINHARDT
Meinhardt Infrastructure and Environment Limited
邁進基建環境工程顧問有限公司

PROJECT
ORGANIC WASTE TREATMENT FACILITIES
PHASE I
CONTRACT NO.: EP/SP/61/10

STATUS
ISSUED FOR CONSENT

DRAWING TITLE
LEGEND, GENERAL NOTES
BLOCK PLAN & LOCATION PLAN
OF TEMPORARY SITE OFFICE
AT PORTION 1

DRAWN	CHECKED	APPROVED
LL	CL	CL
SCALE	AS SHOWN	DATE
		13/JAN/2016
JOB NO.	DRAWING NO.	REV.
P00424	DR-PSC-00-0-CN-1005	I



TEMPORARY SITE OFFICE LOCATION PLAN

1:200 IN A1; 1:400 IN A3

Plot by: LisaAM
Plot Time: 13 January 2016 10:23:31

Appendix B

WPCO Effluent Discharge License

本署檔號
Our Ref.: (11) in EP/RW/0000372289
來函檔號
Your Ref.:
電話
Tel. No.: 2417 6064
電子郵件
E-mail:
圖文傳真
Fax. No.: 2411 3073
網址
Homepage: <http://www.epd.gov.hk/>

Environmental Protection Department
Environmental Compliance Division
Regional Office (West)
8/F, Tsuen Wan Government Offices,
38 Sai Lau Kok Road,
Tsuen Wan, New Territories



環境保護署
環保法規管理科
區域辦事處(西)
新界荃灣西樓角路38號
荃灣政府合署8樓

BY REGISTERED POST

OSCAR Bioenergy Joint Venture
2801 Island Place Tower,
510 King's Road,
North Point, Hong Kong

21 MAY 2015

Dear Sir / Madam,

Water Pollution Control Ordinance (WPCO)
Western Buffer Water Control Zone
Issue of Licence

I refer to your application for a licence made under section 19 of the Ordinance for the discharge/deposit from your premises as stated in the licence. Further to your payment of the licence application fee on 14.05.2015, a licence pursuant to Section 20 is enclosed. Your attention is drawn to the details, terms and conditions subject to which the licence is granted. You should note in particular, the stipulated sampling, treatment and disposal requirements and should also read the notes at the back of the licence.

Please note that the granting of this licence to you does not imply that the discharge from your premises is in compliance with the required standards as stipulated in the licence. It is your responsibility to ensure that the terms and conditions of the licence are complied with.

You are reminded that it is an offence to contravene any of the provisions specified in the licence. The offender is liable to a fine of \$200,000 and to imprisonment for 6 months.

If you are aggrieved by any of the terms and conditions of the licence, you may appeal to the Appeal Board by lodging a notice of appeal under Section 29 in the prescribed manner and form within 21 days after receipt of this licence.

Should you have any enquiry, please feel free to contact Mr. Y.H. LAW at 2417 6086.

Yours faithfully,

(LAM Ka-ho)

for Director of Environmental Protection

Encl.: Discharge Licence

本署檔號
Our Ref.: (11) in EP/RW/0000372289
來函檔號
Your Ref.:
電話
Tel. No.: 2417 6064
電子郵件
E-mail:

圖文傳真
Fax. No.: 2411 3073
網址
Homepage: <http://www.epd.gov.hk/>

Environmental Protection Department
Environmental Compliance Division
Regional Office (West)
8/F, Tsuen Wan Government Offices,
38 Sai Lau Kok Road,
Tsuen Wan, New Territories



環境保護署
環保法規管理科
區域辦事處(西)
新界荃灣西樓角路38號
荃灣政府合署8樓

掛號郵件

OSCAR Bioenergy Joint Venture
香港北角英皇道 510 號
港運大廈 2801 室

先生 / 女士：

水污染管制條例 西部緩衝區水質管制區 發出排污牌照事宜

就閣下根據上稱條例第19條及牌照上所述地址所排放污水或沉積物而向本署遞交的牌照申請，本署於二零一五年五月十四日收到有關的牌照申請費用。現寄上根據本條例第20條而簽發的牌照。敬請留意發牌的細則、條件及規定，尤須注意有關取樣、處理及排放等事宜之規定。另請細讀牌照背頁的附註。

獲簽發此牌照並非表示排出的污水或污染物質已達到牌照中所規定的要求標準。閣下必須採取必要措施以確保能符合牌照中的條款。

請注意，任何人違反本牌照的任何條文，即屬犯罪，可處罰款二十萬元及監禁六個月。

假使閣下對牌照內所載條件及規定有所不滿，可於收到本牌照後21天內，按第29條的規定，以指定的方式及表格，向上訴委員會遞交上訴通知及提出上訴。

如有查詢，請致電 2417 6086 與本署的羅銳雄先生聯絡。

環境保護署署長
(林嘉豪 代行)

附件：排污牌照



Licence No.: WT00021482-2015
牌照編號:

This Licence is Valid to: 31/05/2020
本牌照有效期至: 二零二零年五月三十一日

ENVIRONMENTAL PROTECTION DEPARTMENT
環境保護署

WATER POLLUTION CONTROL ORDINANCE (CAP. 358)
水污染管制條例(第358章)

LICENCE PURSUANT TO SECTION 15-20/23A*
按第15-20/23A*條簽發的牌照

The Director of Environmental Protection ("the Authority") grants this licence under the Water Pollution Control Ordinance ("the Ordinance") on the terms and conditions stated below.

環境保護署署長(「監督」)按下列的條款及條件, 根據水污染管制條例(「本條例」)批給此牌照。

21 MAY 2015

Date
日期

(LAM Ka-ho)
For the Authority

監督 (林嘉豪 代行)

PART A 甲部 : GENERAL TERMS 一般條款

Name of Licensee ("the Licensee") 持牌人名稱(「持牌人」)	SITA Waste Services Limited, ATAL Engineering Limited and Ros-Roca, Sociedad Anonima jointly trading as OSCAR Bioenergy Joint Venture 昇達廢料處理有限公司、安樂工程有限公司及Ros-Roca, Sociedad Anonima 聯合經營的OSCAR Bioenergy Joint Venture
Discharge Premises ("the premises") 排放處所(「處所」)	Works Area at Portion 1 and 2 of the Construction Site of Organic Waste Treatment Facilities Phase 1 at Sham Fung Road, Siu Ho Wan, Lantau Island, Hong Kong (Contract No.: EP/SP/61/10) 香港大嶼山小蠔灣深豐路有機資源回收中心第1期的建築地盤工作區的第1和第2部分(合約編號: EP/SP/61/10)
Water Control Zone 水質管制區	North Western 西北部
Discharge Category 排放種類	Discharge of Industrial /-Commercial / Institutional* Trade Effluent 工業/商業/機構* 污水排放
Nature of Discharge and Wastewater Treatment Facilities 排放性質及廢水處理設施	Effluent Arising from Construction Site 由建築地盤所產生的廢水 Sedimentation Tank 沉澱池
Discharge Point(s) 排放點	Communal Storm Drain 公用雨水渠
Sampling Point(s) 取樣點	Discharge Outlet of Sedimentation Tank 沉澱池的出水口

*Delete as appropriate
將不適用者刪去

Reference No. 參考編號 EP/RW/0000372289

PART B 乙部 : SPECIFIC CONDITIONS 特別條件

B1. Limitations on Discharge 排放限制

The quantity and composition of any discharge from the premises shall not exceed the limits stated in the table below^(Note a). All figures are upper limits unless otherwise indicated. All units are expressed as concentration in milligramme per litre unless otherwise stated.

任何源自處所之排放的量和成份不得超過下表所列的限度^(附註 a)。除另予表明外，所有數字均為上限。除另予說明外，所有單位均以毫克/升的濃度表示。

Determinand 測量物	Limit 限度
Flow Rate (m ³ /day) 流量 (立方米 / 日)	40
pH (pH units in range) 酸鹼值 (pH 單位上下限)	6-9
Suspended Solids 懸浮固體	30
Chemical Oxygen Demand 化學需氧量	80

B2. Self-monitoring and Reporting 自行監測及報告

- The Licensee shall perform self-monitoring as and when required by the Authority.
持牌人須在監督要求時進行自行監測。
- The Licensee shall sample the discharge at the Sampling Point(s) and, at his own expense carry out analyses in accordance with the sample type and measurement frequency specified for each determinand named below:-
持牌人須在取樣點為排放抽取樣本，並依照下列指定的測量物、取樣形式及頻率，自資予以分析。

<u>Determinand 測量物</u>	<u>Unit 單位</u>	<u>Sample Type 取樣形式</u>	<u>Frequency 頻率</u>
Suspended Solids 懸浮固體	mg/L 毫克/升	Grab 隨意取集	Quarterly 每三個月

Results of these monitoring shall be summarized in a report on a ~~monthly~~ / ~~bi-monthly~~ / quarterly * basis and shall be submitted to the Authority.

所有監測結果須以摘要形式，每一個月/兩個月/三個月*作出報告，並須呈交監督審閱。

*Delete as appropriate
將不適用者刪去

C 丙部 : STANDARD CONDITIONS 標準條件

1. The Discharge 排放

- C1.1 The discharge shall not contain polychlorinated biphenyls (PCB), polyaromatic hydrocarbon (PAH), fumigant, pesticide or toxicant, chlorinated hydrocarbons, flammable or toxic solvents, calcium carbide; any substance likely to damage the sewer or to interfere with any of the treatment processes, or to be harmful to the health and safety of any personnel engaged in the operation or maintenance of a sewerage system; waste liable to form scum or deposits in any part of the drainage or sewerage system, or the waters of Hong Kong; waste liable to form discolouration in any parts of the waters of Hong Kong; sludge, floatable substances or solids larger than 10 mm; and sludge or solid refuse of any kind.

排放不得含有多氯聯苯、聚芳烴、薰蒸劑、殺蟲劑或毒劑、氯化烴、可燃的或有毒的溶劑、碳化鈣；會損毀污水渠結構或干擾任何處理程序的物質，或有損操作及維修排污系統人員健康及安全的任何物質；足以及在排水或排污系統，或香港水域任何範圍內形成浮渣或沉積物的廢物；足以及在香港水域任何範圍內形成變色的廢物；污泥、漂浮物質或體積超越 10 毫米的固體；及任何種類的污泥或固體垃圾。

- C1.2 No discharge shall bypass the wastewater treatment facilities, the Sampling Point(s) or the Discharge Point(s) unless it is unavoidable to prevent loss of life, personal injury or severe property damage or no feasible alternative exists.

除非避免人命傷亡或嚴重財物損失或無其他可行代替辦法，排放不得繞流不經其廢水處理設施，取樣點或排放點。

- C1.3 Dilution of the discharge to achieve compliance with the limits contained in this licence is prohibited.

不得將排放稀釋，以求達到本牌照內所訂的限度。

C2. Flow Measurement 量度流量

The Licensee shall determine the flow rate of the discharge by installing, operating and maintaining a continuous flow measuring device with an accuracy certified by its manufacturer to be within plus or minus 3 percent of the actual flow, and calibrating the flow measuring device regularly according to manufacturer's recommendations. If no such device is installed, the Licensee shall determine the flow rate through using calculation methods agreed by the Authority, by making reference to the amount of water used in the premises being served by mains supply and other sources, less process consumption and any other losses.

持牌人必須設置、操作及保養一個連續性流量計作為測定排放的流量率之方法，其準確程度須經製造商證實為不超逾或低於真正流量的 3%，並應根據製造商建議的方法，定期校準流量計。如沒有設置該設備，持牌人須依照監督同意的計算方法，根據處所由自來水及其他水源供應的總用水量減去工序耗水量及其他耗水量來測定流量率。

C3. Treatment 處理

- C3.1 The Licensee shall provide necessary wastewater treatment facilities, and shall engage personnel with adequate qualification and experience to properly operate and maintain all wastewater treatment facilities at all times. Standby equipment shall be provided to guard against failure of major treatment equipment.

持牌人須提供必需的廢水處理設施，並須僱用有足夠資格及經驗的人士，時常妥善操作及保養所有廢水處理設施。主要處理設施須配有後備裝置，以應付故障發生。

- C3.2 In the event of loss of efficiency of operation, or failure of all or part of the wastewater treatment facility, the Licensee shall take all reasonable steps to the extent necessary to maintain compliance with this licence. Such steps shall remain until operation of the wastewater treatment facility is restored or an alternative method of treatment is provided.

倘若部份或整個廢水處理設施操作失靈或發生故障，持牌人須採取所有必要的合理措施，以求達到符合本牌照的規定。此等措施須維持至廢水處理設施恢復如常操作或有其他代替的處理方法可供採用為止。

- C3.3 If the wastewater treatment facilities are not properly operated and maintained to the satisfaction of the Authority, the Licensee shall take immediate and effective remedial actions as required by the Authority.

倘若廢水處理設施的操作及保養未能令監督滿意，持牌人須按監督之規定，採取即時及有效的補救行動。

C4. Disposal 棄置

Sludges, screenings, solids, oil and grease, filter backwash, or other pollutants removed in the course of treatment shall be disposed of in a proper manner^(Note b & c).

處理過程中所產生的污泥、隔濾物、固體、油脂、過濾回洗或其他污染物，必須妥善地棄置^(附註 b 及 c)。

C5. Monitoring 監測

- C5.1 The Licensee shall provide and maintain suitable facility such as an inspection chamber, manhole sampling valve at each Sampling Point to enable duly authorized officer(s) of the Authority to take samples of the discharge at any time from the premises.
持牌人須在每一個取樣點提供及保養適當的設施，例如檢查槽，沙井或取樣閥，以確保獲監督授權的人員隨時可在處所內抽取排放樣本。
- C5.2 For self-monitoring, “grab samples” shall be taken during the period when the determinand to be analyzed for is likely to be present in its maximum concentration. “Composite samples” shall include samples taken over daily duration of the discharge.
在自行監測中，「隨意取集樣本」須在測量物的濃度很可能是最高的那段時間內抽取。「綜合樣本」須包含在每日排放期間不同時候所抽取的樣本。
- C5.3 For self-monitoring, all samples shall be analyzed in accordance with the most updated analytical methods used by the Government Chemist ^(Note d).
在自行監測中，所有樣本均須按照政府化驗師所採用的最新分析方法予以分析 ^(附註 d)。

C6. Records and Reporting 紀錄及報告

- C6.1 The Licensee shall keep the following records in the premises for inspection by duly authorized officer(s) of the Authority:
持牌人須在處所內保存下列紀錄，以備獲監督授權的人員隨時查閱：
- (i) records of flow rate, nature and composition of the discharge;
排放流量率、性質及成份的紀錄；
 - (ii) updated records of all monitoring information, including all laboratory analytical results relating to samples taken, all original chart recordings for continuous flow and pH monitoring; and
所有最新監測資料的紀錄，包括所有關於已取樣本的檢驗分析結果、所有連續性流量及酸鹼值監測記錄圖表的正本；及
 - (iii) records of all desludging and degreasing operation, and records of corresponding disposal operation.
所有清除污泥和清理隔油池廢物工序的紀錄，及其棄置工序的紀錄。

Copies of all such records shall be submitted to the Authority upon request.

在監督要求時，須向監督呈交所有該等紀錄的副本。

- C6.2 The Licensee shall notify and explain to the Authority within 24 hours upon the occurrence of an accidental discharge or any emergency bypass or an overflow of untreated effluent or an operation upset which places the discharge in a temporary state of non-compliance with this licence. The Licensee shall within 7 days following the incident, submit to the Authority a detailed report in writing on the cause and duration of the non-compliance and steps taken or to be taken to reduce, eliminate, or prevent recurrence of such non-compliance. Reporting in accordance with this Condition does not relieve the Licensee of any obligations imposed by this licence.

倘若有未經處理的污水意外排放、緊急繞流或溢滿的事件或操作失靈，引至排放出現短暫不符合牌照規定的情況，持牌人須在事發後 24 小時內立即知會監督並予以解釋。持牌人須在事故發生後 7 天內，以書面報告，詳述事件的起因、違反牌照條件的時間及為減少、消除或防止類似事件再次發生所採取或將會採取的措施，送交監督審閱。然而，按照本條件的規定提交報告並不表示持牌人可獲免除承擔本牌照內所載的任何責任。

C7. Operation Manual 操作手冊

The Licensee shall prepare an operation manual which shall include, as a minimum, operating procedures, inspection programme and repair and maintenance programme for the wastewater treatment facilities. The operation manual shall be kept at the aforesaid wastewater treatment facilities and a copy of the manual shall be submitted to the Authority upon request.

持牌人須擬備廢水處理設施的操作手冊。手冊內容須最低限度包括操作程序、檢查、維修及保養工作計劃表。該手冊須保存在上述廢水處理設施內。持牌人須在監督要求時，呈交手冊副本乙份。

C8. Notification of Change 更改通知

The Licensee shall notify the Authority in writing within 14 days of any changes or proposed changes in the processes of manufacture or the nature of the raw materials used or of any other circumstances which may alter the nature and composition of the discharge or may result in the permanent cessation of the discharge.

倘若持牌人更改或擬更改其生產程序、或所用原料的性質、或有其他足以改變其排放的性質及成份或可導致永久性終止排放的事情，必須在 14 日內以書面通知監督。

- (a) For the purposes of determining compliance with the limits stated in Specific Condition B1, samples shall be taken by the duly authorized officer(s) of the Authority at the Sampling Point(s) or any other points from which the samples so taken are regarded by the Authority as being representative of the quality of the discharge. When any single sample analyzed for a determinand is proved not complying with corresponding limit set out in the table, the discharge is deemed to have failed to comply with Specific Condition B1.
為確定排放是否符合特別條件第 B1 項內所列的限度，獲監督授權的人員須在取樣點或在監督認為可以抽取到具代表性的樣本的任何其他位置抽取樣本。只要在任何一個經分析的樣本中，證實任何一個測量物不符合表中所列的相應限度時，排放即被視為不符合特別條件第 B1 項。
- (b) An example of proper disposal method for sludge is sending dewatered sludge to landfill for disposal.
妥善棄置污泥方法中的一個例子是將脫水後的污泥運往堆填區棄置。
- (c) Proper disposal of grease trap waste includes but is not limited to employing any reputable firm or collector who will use the right equipment and dispose of the collected grease trap waste at West Kowloon Transfer Station. The updated list of grease trap waste collectors who are using the disposal service at West Kowloon Transfer Station is maintained in the EPD website and Green Restaurant website.
妥善的隔油池廢物棄置方法包括卻不限於聘用任何信譽良好的公司／收集商使用適當的設備在西九龍廢物轉運站棄置所收集的隔油池廢物。環保署網站及環保食肆網均載有目前使用西九龍廢物轉運站棄置隔油池廢物的收集商最新名單。
- (d) The Licensee may make reference to Annex 1 of the <Technical Memorandum on Effluent Standards> for analytical methods used by the Government Chemist.
持牌人可參照「流出物標準技術備忘錄」附件 1 有關政府化驗師所採用的分析方法。
- (e) The Licensee shall keep this licence in the premises and make it available at all times for inspection by duly authorized officer(s) of the Authority.
持牌人須在處所內保存此牌照，以備獲監督授權的人員隨時查閱。
- (f) (i) The Licensee shall allow duly authorized officer(s) of the Authority to enter the premises for the purposes of inspection, sampling, records examination or any other duties authorized by Section 37 and Section 38 of the Ordinance.
持牌人須准許獲監督授權的人員進入處所內進行檢查、抽取樣本、審查紀錄或執行其他根據本條例第 37 及第 38 條所授權的職務。
(ii) Where the premises has security measures in force which would require proper identification and clearance before entry, the Licensee shall make necessary arrangements such that upon presentation of evidence of identity and of authorization, duly authorized officer(s) will be permitted to enter, without delay, for the purposes of performing duties.
倘若由於處所的保安理由而需先行鑑定來人的身份，持牌人必須作出必要的安排，以便獲授權人員在出示身份證明及授權文件後，即可內進執行其職務而不致受延誤。
- (g) (i) For a licence granted under Section 15 of the Ordinance, the Licensee may, not less than 2 months before expiry of the licence, apply under Section 19 of the Ordinance for a new licence. The Authority may grant the licence or otherwise.
持有根據本條例第 15 條所批給牌照的人士，可於牌照屆滿前不少於 2 個月內，根據本條例第 19 條的規定，申請一面新牌照。監督可批給或拒絕批給牌照。
(ii) For a licence granted under Section 20 or 23A of the Ordinance, the Licensee may, not more than 4 months and not less than 2 months before expiry of the licence, apply under Section 23 or 23A respectively of the Ordinance for renewal of licence. The Authority may renew the licence or otherwise.
持有根據本條例第 20 條或第 23 A 條所批給牌照的人士，可於牌照屆滿前不多於 4 個月及不少於 2 個月內，根據本條例的第 23 或 23 A 條的規定，申請牌照續期。監督可將牌照續期或拒絕將牌照續期。
- (h) Under Section 24 of the Ordinance, the Authority may by notice in writing, impose new or amended terms and conditions on this licence or cancel this licence. Under Section 25, 26 and 27 of the Ordinance, a Licensee whose licence has been so varied or cancelled may be entitled to compensation.
根據本條例第 24 條的規定，監督可以書面通知，向本牌照施加新訂或經修訂的條款及條件，或取消本牌照。根據本條例第 25、26 及 27 條的規定，被更改或取消牌照的持牌人可能會獲得補償。
- (i) Under Section 28 of the Ordinance, the Licensee may apply to the Authority for a variation of this licence.
根據本條例第 28 條的規定，持牌人可向監督申請更改本牌照。
- (j) Under Section 49 of the Ordinance, this licence shall not be construed as a dispensation from the requirements of any other Ordinance except where that other Ordinance so provides.
根據本條例第 49 條的規定，本牌照並不得解釋為豁免符合任何其他條例的規定，除非該其他條例如此訂定。

Appendix C

Cleaning Procedure of Treatment Tank

Cleaning Procedure Treatment Tank 清洗環保缸的程序

update: 18 Jul., 16

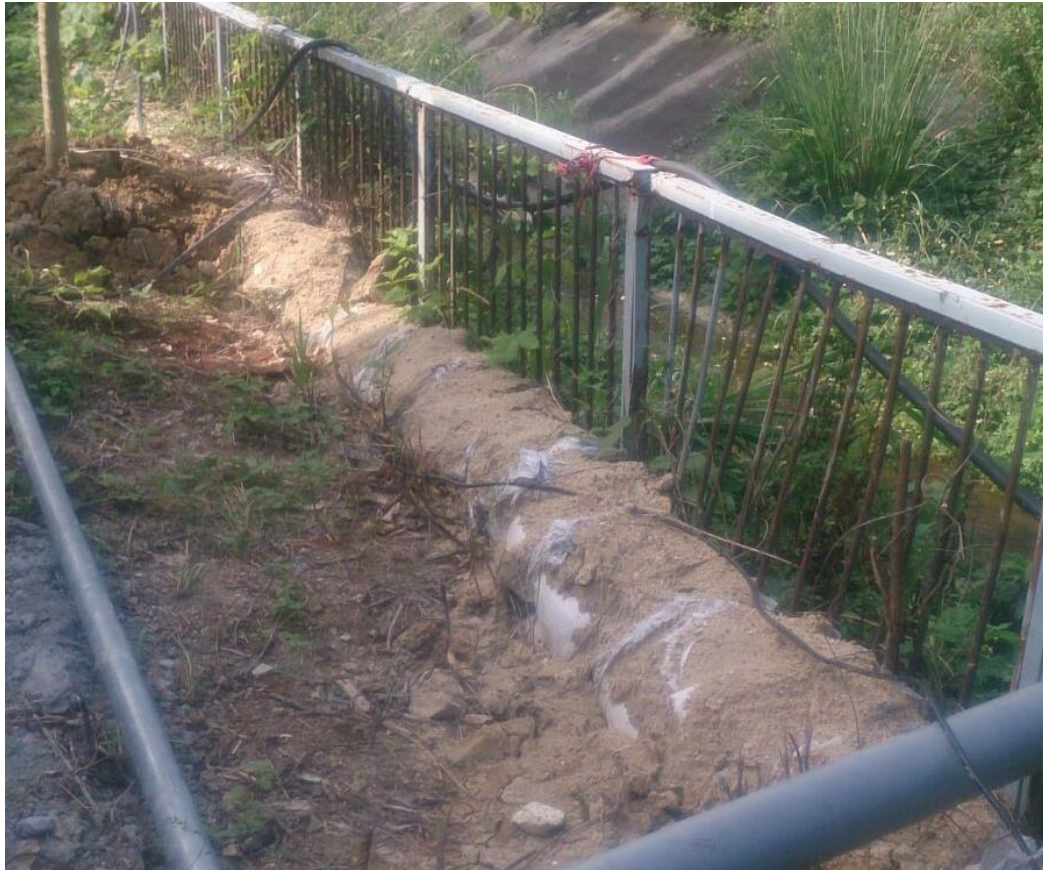
1.	<p>The Treatment Tank will be cleaned thoroughly every three months or when the turbidity of the discharge is not satisfactory. 該處理設施會定期每三個月，或排水過於污濁時進行清洗。</p>
2.	<p>Close all the inlet and outlet valves of the Treatment Tank. 關閉接駁水缸出入水口。</p>
3.	<p>Employ a sewer sucking truck to remove all the residue sludge and water in the tank. 吸漿車放吸喉，開動水泵，進行吸漿。</p>
4.	<p>The sewer sucking truck will dispose the contents of the tank to TKO137 Fill Bank in accordance with the waste disposal regulations. 完成後，該吸漿車會前往將軍澳 137 公眾填料區傾倒。</p>
5.	<p>After the cleaning of the Tank, the first batch of treated waste water will be directed to the sedimentation tank for more than 10mins. (depends on site conditions) 如洗缸後地盤需要排水，排水需經軟喉引流回沉澱缸，排放約 10 分鐘(根據實際情況而定)。</p>
6.	<p>The remaining treated waste water will either be discharged at the discharging point as stated in the “Discharging License”, or return to the sedimentation tank. 處理經過的水缸水，可引流回沉澱缸，或排放出地盤。</p>
7.	<p>Record the time taken for discharging operation and estimate the quantity of discharge. 紀錄排水量、時間。</p>
8.	<p>Repeat item 1. 重覆項目 1。</p>
Note	<p>In case of inclement weather whereas the size of catchment, treatment and storage cannot handle the runoff, the overflows will be collected and circulate to the treatment tank with appropriate piping system. 如遇大雨/過量存水，過量的水會經軟喉引導回啡缸，循環來回。</p>

Appendix D

Sand Bag Photo



March 2016



August 2016



September 2016

Appendix E

Water Sample Laboratory Report



CERTIFICATE OF ANALYSIS

Client	: ATKINS CHINA LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 2
Contact	: MS EVA KEUNG	Contact	: Fung Lim Chee, Richard	Work Order	: HK1634365
Address	: 13/F, WHARF T&T CENTRE, HARBOUR CITY, TSIM SHA TSUI, KOWLOON HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: eva.keung@atkinsglobal.com	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2972 1553	Telephone	: +852 2610 1044		
Facsimile	: +852 2890 6343	Facsimile	: +852 2610 2021		
Project	: ORGANIC WASTE TREATMENT FACILITIES PHASE 1	Quote number	: ----	Date Samples Received	: 25-AUG-2016
Order number	: ----			Issue Date	: 05-SEP-2016
C-O-C number	: ----			No. of samples received	: 1
Site	: ----			No. of samples analysed	: 1

General Comments

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. 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. Testing period is from 25-AUG-2016 to 02-SEP-2016.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK1634365

Sample(s) were received in ambient condition.

Water sample(s) analysed and reported on an as received basis.

This report may not be reproduced except with prior written approval from the testing laboratory.

This document has been signed by those names that appear on this report and are the authorised signatories.

Signatories

Position

Authorised results for

Fung Lim Chee, Richard

General Manager

Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID

SAMPLE 1

Client sampling date / time

[25-AUG-2016]

Compound	CAS Number	LOR	Unit	HK1634365-001				
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	9.0				
EA025: Suspended Solids (SS)	----	2	mg/L	37				
EP: Aggregate Organics								
EP026C: Chemical Oxygen Demand	----	5	mg/L	7				



CERTIFICATE OF ANALYSIS

Client	: ATKINS CHINA LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 2
Contact	: MS EVA KEUNG	Contact	: Fung Lim Chee, Richard	Work Order	: HK1636761
Address	: 13/F, WHARF T&T CENTRE, HARBOUR CITY, TSIM SHA TSUI, KOWLOON HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: eva.keung@atkinsglobal.com	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2972 1553	Telephone	: +852 2610 1044		
Facsimile	: +852 2890 6343	Facsimile	: +852 2610 2021		
Project	: ORGANIC WASTE TREATMENT FACILITIES PHASE 1	Quote number	: ----	Date Samples Received	: 09-SEP-2016
Order number	: ----			Issue Date	: 20-SEP-2016
C-O-C number	: ----			No. of samples received	: 1
Site	: ----			No. of samples analysed	: 1

General Comments

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. 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. Testing period is: 09-SEP-2016 to 19-SEP-2016.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK1636761

Sample(s) were received in ambient condition.

Water sample(s) analysed and reported on an as received basis.

This report may not be reproduced except with prior written approval from the testing laboratory.

This document has been signed by those names that appear on this report and are the authorised signatories.

Signatories	Position	Authorised results for
Fung Lim Chee, Richard	General Manager	Inorganics



Analytical Results

Sub-Matrix: WATER

				Client sample ID				
				Client sampling date / time				
Compound	CAS Number	LOR	Unit					
				SAMPLE 1				
				[09-SEP-2016]				
				HK1636761-001				
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	8.1				
EA025: Suspended Solids (SS)	----	2	mg/L	<2				
EP: Aggregate Organics								
EP026C: Chemical Oxygen Demand	----	5	mg/L	<5				

Appendix F

Training Record

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Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:	7/9/2016			Time (Safety):			-----	
				Time (Environmental):			08:45am-09:00am	
Safety Toolbox Talk topic:		-----			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		-----	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Au Chi Ming	歐志明	HRMK0110910	23/2/2019	OSCAR	吊机机手	*	*
2	Ma Kin Kong	馬健剛	HRJD0103562R	9/9/2016	OSCAR	管工	*	* 馬
3	Chan Chi Yan	陳智仁	HRJD0191846R	20/10/2018	OSCAR	焊工	*	*
4	Fung Yuet Keung	馮越強	HRYL0092302R	22/1/2017	OSCAR	焊工	*	*
5	Tam Kai Tong	譚啓棠	SCW01109083R	17/2/2017	OSCAR	工人	*	* 譚
6	Chow Kam Sui	周金水	GC-245994R	12/12/2016	OSCAR	工人	*	*
7	Chu Chun Fat	朱振發	HRMK0115297	18/4/2019	OSCAR	工人	*	*
8	Cheng Ngai Wang	鄭毅弘	GC-355630R	17/11/2017	OSCAR	管工	*	*
9	Zhou Qingsheng	周慶生	HRJD0194348R	4/11/2018	OSCAR	工人	*	*
10	Li Kwok Ning (Vicky)	李國寧	HRJD0159520	11/3/2018	OSCAR	工人	*	* 李

榮興

3






Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:		7/9/2016			Time (Safety):		-----	
					Time (Environmental):		08:45am-09:00am	
Safety Toolbox Talk topic:		-----			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		-----	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Wong So Chai	黃蘇仔	GC-247005R	21/7/2017	OSCAR	工人	*	* 
2	Cheung Hoi Lun	張海輪	HRYL0140773R	8/7/2018	OSCAR	金棚大王	*	* 
3	Chow Shu Hei	周樹喜	HRJD0131456R	31/8/2017	OSCAR	工人	*	* 
4	Leung Tsz Lung	梁子龍	SCW99155392R	6/11/2018	OSCAR	工人	*	* 
5	Lee Wah Yi	李華兒	HRYL0154977R	17/12/2018	OSCAR	工人	*	* 
6	Chui Ka Wai	徐家偉	HRYL0102934R	10/5/2017	OSCAR	工人	*	* 
7	So Sam Tai	蘇三弟	SCW03176784R	28/2/2019	OSCAR	工人	*	* 
8	Chow Kau	周九	HRYL0112539R	22/8/2017	OSCAR	工人	*	* 
9	Chow Tai Hei	周帶喜	HRJD0117132R	31/3/2017	OSCAR	工人	*	* 
10	Chow Kam Wah	周錦華	HRYL0096515R	8/6/2017	OSCAR	工人	*	* 

榮興

(4)

Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)							
Date:	7/9/2016			Time (Safety):			'-----'		
				Time (Environmental):			08:45am-09:00am		
Safety Toolbox Talk topic:		'-----'			Environmental Toolbox Talk Topic:		污水處理		
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):			'-----'	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):				
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)	
1	SO TAI KAN	蘇大根	HRKT0024688R	27/04/2017	宏宗(保成)	普通工人	*	* 	
2	TSOI WAI NAM	蔡偉南	HRYL0039957R	26/04/2017	宏宗(保成)	電氣裝配工	*	* _____	
3	LAM SHEIR MING	林社明	HRTW0012214	27/08/2016	宏宗(保成)	普通工人	*	* 	
4	YIP HING TIN	葉慶典	HRYL0116694R	10/10/2017	宏宗(保成)	普通工人	*	* 	
5	LI YEN TUN	李炎敦	SC130126Y0123	25/01/2016	宏宗(保成)	普通工人	*	* 	
6	Lin Yuliu	林玉流	HRTW0056965	10/4/2017	宏宗(保成)	普通工人	*	* _____	
7	HOI-SZE MING	蔡思明	HRYL0138411R	14/06/2018	宏宗(保成)	普通工人	*	* _____	
8	CHAN MUK TUNG	陳木東	HRTW0062224R	12/08/2017	宏宗(保成)	操作工(挖掘機)	*	* 	
9	Tsang Kam Fai	曾錦輝	HRMK0033273R	12/08/2018	宏宗(保成)	操作工(挖掘機)	*	* _____	
10	TSUI SHEUNG KEUNG	徐常強	HRJD0051106R	24/03/2015	宏宗(保成)	普通工人	*	* _____	

東方

(5)

Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:		7/9/2016			Time (Safety):		-----	
					Time (Environmental):		08:45am-09:00am	
Safety Toolbox Talk topic:		-----			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		-----	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	XU YANGZHI	徐楊志	HRJD0077520R	11/12/2015	宏宗(保成)	普通工人	*	*
2	Chow Chun Tim	周根添	HRJD0103445R	15/01/2017	宏宗(保成)	普通工人	*	*
3	Lam Pui Chung	劉沛松	HRJD0131364R	8/7/2017	宏宗(保成)	普通工人	*	*
4	Mak Chun Shu	麥振樞	HRJD0132721R	15/07/2017	宏宗(保成)	普通工人	*	*
5	Lam Shui Po	林水波	HRTW0071829R	26/02/2018	宏宗(保成)	普通工人	*	*
6	Wong Ping	王平	HRJD0161127R	12/4/2018	宏宗(保成)	挖掘操作工	*	*
7	Chan Wai Kwong	陳偉光	HRJD0161128R	27/04/2018	宏宗(保成)	普通工人	*	*
8	KAM KIT CHOI	甘傑財	HRJD0054842R	21/04/2017	宏宗(保成)	普通工人	*	*
9	LAW KA LAU	羅家流	HRJD0158955R	27/04/2018	宏宗(保成)	普通工人	*	*
10	TSANG KWONG YUEN	曾廣淵	HRKT0032087	22/08/2015	宏宗(保成)	普通工人	*	*

東方

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Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)							
Date:		7/9/2016			Time (Safety):		-----		
					Time (Environmental):		08:45am-09:00am		
Safety Toolbox Talk topic:		-----			Environmental Toolbox Talk Topic:		污水處理		
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		-----		
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):		-----		
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)	
1	Wong Po Cheung	黃保祥	HRTW0044737R	7/7/2016	宏宗(保成)	普通工人	*	*	
2	QIU CHUNYI	邱 春意	HRKT0084282	05/05/2018	宏宗(保成)	普通工人	*	*	
3	Lin Meide	林美得	HRTW0035934	3/8/2016	宏宗(保成)	雜工	*	* 	
4	Yeung Hiu Shing	楊曉成	GC-072244R	5/9/2017	宏宗(保成)	石矢	*	*	
5	Cheng Yue	鄭裕	HRYL0114838R	17/9/2017	宏宗(保成)	石矢	*	*	
6	Ng Tam	吳淡	HRYL0117490R	1/11/2017	宏宗(保成)	石矢	*	*	
7	Lam Leung Tseng	林良層	HRKT0082275R	1/6/2018	宏宗(保成)	石矢	*	* 	
8	Chung Shun	鍾舜	HRKT0068796R	27/9/2017	宏宗(保成)	石矢	*	*	
9	Weng Daqiang	翁達強	HRTW0039897	28/3/2016	宏宗(保成)	石矢	*	*	
10	Wong Hau Kwan	黃孝坤	HRJD0108287R	30/11/2016	宏宗(保成)	石矢	*	*	

Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:		7/9/2016			Time (Safety):		-----	
					Time (Environmental):		08:45am-09:00am	
Safety Toolbox Talk topic:		-----			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		-----	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Ip Shiu Po	葉水波	HRTW0040208R	30/6/2016	宏宗(保成)	石叻	*	*
2	Chan To Lim	陳道帘	HRJD01920131R	9/11/2018	宏宗(保成)	普通工人	*	*
3	Cheng David	鄭旭澤	HRJD0169754R	17/5/2018	宏宗(保成)	機手	*	*
4	Cheung Sau Chiu	張壽照	HRJD0084144R	24/3/2016	宏宗(保成)	機手	*	*
5	Leung Wah Kam	梁華錦	C13238R	22/5/2017	宏宗(保成)	扎鐵	*	*
6	Tse Ping Kwan	謝炳坤	HRJD0145523R	1/12/2017	宏宗(保成)	工人	*	*
7	Huang Qingfeng	黃慶丰	HRJD0198365R	5/12/2018	宏宗(保成)	工人	*	*
8	Man Ah Nung	文亞儂	HRKT0056007R	14/1/2017	宏宗(保成)	工人	*	*
9	Liu Shenglu	劉盛爐	CA201302081	5/7/2016	宏宗(保成)	工人	*	*
10	Wong Chiu Hoi	黃昭凱	HRKT0107893	28/4/2019	宏宗(保成)	工人	*	*

東方

②

Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:	7/9/2016			Time (Safety):			-----	
				Time (Environmental):			08:45am-09:00am	
Safety Toolbox Talk topic:		-----			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		-----	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Liu Kerong	劉克榮	HRTW0083378R	13/8/2018	宏宗(保成)	工人	*	*
2	Van A Yang	溫亞養	HRJD0131932R	10/7/2017	宏宗(保成)	工人	*	*
3	So Shing Fai	蘇盛輝	HRJD0146459R	16/12/2017	宏宗(保成)	扎鐵	*	*
4	Liu Fenceng	劉芬層	GC-081793R	25/12/2018	宏宗(保成)	釘板	*	*
5	Luo Jihan	羅繼寒	HRMK0053921	29/8/2016	宏宗(保成)	釘板	*	*
6	Cheung Chi Fai	張志輝	HRJD0188231R	22/9/2018	宏宗(保成)	工人	*	*
7	Li Weitian	李偉田	HRJD0142482R	13/10/2017	宏宗(保成)	工人	*	*
8	Ngai Chuen	魏泉	HRKT0109476R	19/5/2019	宏宗(保成)	工人	*	*
9	Ho Yip Fu	何業富	HRTW0089110R	2/11/2018	宏宗(保成)	工人	*	*
10	Kwan Yun Po	關潤波	HRYL0116015R	8/10/2017	宏宗(保成)	工人	*	*

Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:	7/9/2016			Time (Safety):			'-----'	
				Time (Environmental):			08:45am-09:00am	
Safety Toolbox Talk topic:		'-----'			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		'-----'	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Kwan Yui Ming	關銳明	HRYL0113338R	31/8/2017	宏宗(保成)	工人	*	* 明
2	Lee Chak Hung	李澤雄	HRJD0205725R	17/2/2019	宏宗(保成)	工人	*	* 李
3	Li Kang	李慷	HRTW0082320R	16/7/2018	宏宗(保成)	工人	*	*
4					宏宗(保成)		*	*
5					宏宗(保成)		*	*
6					宏宗(保成)		*	*
7					宏宗(保成)		*	*
8					宏宗(保成)		*	*
9					宏宗(保成)		*	*
10					宏宗(保成)		*	*

Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:	7/9/2016			Time (Safety):			-----	
				Time (Environmental):			08:45am-09:00am	
Safety Toolbox Talk topic:		-----			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		-----	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	TSUI SHEUNG KEUNG	徐常強	HRJD0051106R	24/03/2017	宏宗(保成)	木工	*	* 強
2	XU YANGZHI	徐楊志	HRJD0077520R	11/12/2015	宏宗(保成)	木工	*	*
3	Chow Chun Tim	周振添	HRJD0103445R	15/01/2017	宏宗(保成)	木工	*	*
4	Lam Pui Chung	劉沛松	HRJD0131364R	8/7/2017	宏宗(保成)	木工	*	*
5	Mak Chun Shu	麥振樞	HRJD0132721R	15/07/2017	宏宗(保成)	木工	*	* 樞
6	Lam Shui Po	林水波	HRTW0071829R	26/02/2018	宏宗(保成)	木工	*	*
7	Ng Chi Hung	吳智雄	HRMK0067762R	25/04/2017	宏宗(保成)	木工	*	*
8	Choy Hung Fai	蔡雄輝	HRJD0154078R	13/02/2018	宏宗(保成)	木工	*	*
9	FAN KAM SING	范錦星	SCW03129894		宏宗(保成)	木工	*	*
10		盧樂			宏宗(保成)	木工	*	*

東方(木工)



Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:		7/9/2016			Time (Safety):		-----	
					Time (Environmental):		08:45am-09:00am	
Safety Toolbox Talk topic:		-----			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		-----	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	LO HING CHUEN	盧慶泉	HRYL0112785R	09/09/2017	宏宗(保成)	木工	*	*
2	Tsoi, Kin Lam	蔡建林	SCW03162824	18/11/01	宏宗(保成)	木工	*	*
3	Fan Kam Sing	范錦星	SCW03129894R	04/05/2018	宏宗(保成)	釘板	*	*
4	Wong Tang Sun	黃騰新	HRJD0182138R	22/08/2018	宏宗(保成)	釘板	*	*
5	Law Kai Yin	羅啟賢	SCW03169376	23/07/2018	宏宗(保成)	木工	*	*
6	So Yiu	蘇堯	HRTW0068671R	23/11/2017	宏宗(保成)	工人	*	*
7	See Yiu Tong	施耀堂	HRKT0085834R	26/5/2018	宏宗(保成)	釘板	*	*
8	Yan Hon Kan	殷漢根	HRMK0062692R	6/3/2017	宏宗(保成)	工大	*	*
9	Lui Man Muk	呂文木	GC-072770R	27/9/2017	宏宗(保成)	釘板	*	*
10	Ng Kong Lun	吳江彝	HRJD0167132R	10/6/2018	宏宗(保成)	釘板	*	*

東方(木工)













Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:	7/9/2016			Time (Safety):			-----	
				Time (Environmental):			08:45am-09:00am	
Safety Toolbox Talk topic:		-----			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		-----	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Siu Sit Ming	蕭燮明	HRJD0178328R	15/7/2018	宏宗(保成)	釘板	*	*
2	Woo Tsang Wing	胡崢榮	HRJD0196294R	15/12/2018	宏宗(保成)	釘板	*	*
3	Woo Wai Wan	胡偉環	HRTW0068960R	26/11/2017	宏宗(保成)	工人	*	*
4							*	*
5							*	*
6							*	*
7							*	*
8							*	*
9							*	*
10							*	*

東方(木工)

3

Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:	7/9/2016			Time (Safety):			-----	
				Time (Environmental):			08:45am-09:00am	
Safety Toolbox Talk topic:		-----			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		-----	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Yeung Hong Fai	楊康輝	HRYL0093898R	16/5/2017	宏宗(保成)	測量	*	* 
2	Lai Chi Kwan	黎志坤	HRYL0139005R	27/6/2018	宏宗(保成)	測量	*	* 
3	Song Chenning	宋晨寧	HRYL0116481R	31/10/2017	宏宗(保成)	工人	*	* 
4	Tang Yan Hong	唐燕鴻	SCW03155648	12/6/2017	宏宗(保成)	測量	*	* 
5	Cheong Ka Wai	張家瑋	HRYL0131855	23/3/2018	宏宗(保成)	工人	*	* 
6	Tsang Man Chit	曾文捷	SCW03145774	25/8/2016	宏宗(保成)	測量	*	* 
7	Chan Yuk Chiu	陳玉朝	HRYL0108784R	25/8/2017	宏宗(保成)	測量	*	* 
8	Chung Ming Fai	鍾明輝	HRJD02052982	14/2/2019	宏宗(保成)	工人	*	* 
9	Lam Chun Kit	林進杰	HRYL0089548R	24/11/2016	宏宗(保成)	測量	*	* 
10	Leung Ho Pan	梁浩彬	SCW03169493	29/7/2018	宏宗(保成)	工人	*	* 

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Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:		7/9/2016			Time (Safety):		‘-----’	
					Time (Environmental):		08:45am-09:00am	
Safety Toolbox Talk topic:		‘-----’			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		‘-----’	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	TAM FOR TING	譚火停	GC-064349R	29/01/2016	宏宗(保成)	普通工人	*	*
2	WONG SIU PO	黃紹波	HRMK0044268	13/03/2016	宏宗(保成)	普通工人	*	* 
3	Leung Chi Fung	梁致豐	HRMK0049343	10/06/2016	宏宗(保成)	Foreman	*	* 
4	Ngan Hon Chai	顏漢釵	HRTW0036149R	22/02/2016	宏宗(保成)	Foreman	*	*
5	So, Wai Keung Warlian	蘇偉強	HRYL0098711	29/03/2017	宏宗(保成)	天秤/机手	*	* 
6	Yip Pak Kay	葉栢奇	GC-079887R	10/11/2016	宏宗(保成)	吊机机手	*	*
7	Li Yeung Pan	李陽彬	SCW03138954	4/2/2016	宏宗(保成)	Q.S	*	*
8	Wong Chun Hey	黃鎮馭	HRJD0106970	23/10/2016	宏宗(保成)	AQS	*	*
9	Li Chak Him	李澤謙	CE21054	4/3/2016	宏宗(保成)	Grad E	*	*
10	Wong Kwun Faut	黃冠發	CE400132	19/5/2017	宏宗(保成)	intern	*	*

保成

Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:	7/9/2016			Time (Safety):			'-----'	
				Time (Environmental):			08:45am-09:00am	
Safety Toolbox Talk topic:		'-----'			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		'-----'	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Heung Chun Kit	向俊傑	CE400045	19/5/2017	宏宗(保成)	intern	*	*
2	Wong Siu Leung	黃兆良	HRKT0082765	13/4/2018	宏宗(保成)	管工	*	*
3	Shing Wing Yat	盛永日	GC-211362	10/1/2018	宏宗(保成)	電工	*	*
4	Ting Chun Yu	丁俊宇	HRYL0097300R	14/3/2017	宏宗(保成)	電工	*	* 5
5	Leung Chi Hang	梁熾恒	HRJD0110015R	8/12/2016	宏宗(保成)	SO	*	*
6	Lo, Lit Cheong	羅烈昌	SCW03090567R	17/04/03	宏宗(保成)	雜工	*	* 6
7	Lam Hon Man	林漢民	GC-077608R	31/07/2018	宏宗(保成)	雜工	*	*
8	Yu Fung	余峰	GC-361996R	18/07/10	宏宗(保成)	雜工	*	* 7
9	Chen Shaozhen	陳少貞	LTC-001360	19/08/2018	宏宗(保成)	雜工	*	* 8
10	Cai Chun Ming	蔡春明	HRTW0088092R	22/11/2018	宏宗(保成)	雜工	*	*

保成



Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:		7/9/2016			Time (Safety):		'-----'	
					Time (Environmental):		08:45am-09:00am	
Safety Toolbox Talk topic:		'-----'			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		'-----'	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Lam Kei Hei	林琪稀	HRMK0074398	1/8/2017	宏宗(保成)	雜工	*	*
2	Yeung Yee Lan	楊綺蘭	SEITSC-002897R	22/7/2016	宏宗(保成)	清潔工人	*	*
3	Cheng Kong Yuen	鄭江源	HRKT0098491	30/11/2018	宏宗(保成)	雜工	*	*
4	Lui Siu Wan	呂少云	HRJD0172691R	28/7/2018	宏宗(保成)	雜工	*	*
5	Lin Yu Lin	林玉流	HRTW0056965	4/10/2017	宏宗(保成)	雜工	*	*
6	Cheng Wai Kwan	鄭偉君	HRTW0086006R	29/9/2018	宏宗(保成)	雜工	*	*
7	Wang Nan	王楠	HRTW00951836	15/12/2016	宏宗(保成)	雜工	*	*
8	Leung Yuk Long	梁沃朗	HRYL0076761	10/6/2016	宏宗(保成)	Engineer	*	*
9	Wong Lai Yee	黃麗儀	HRTW0093821	30/1/2019	宏宗(保成)	清潔	*	*
10	Wong Lai Kiu	黃麗嬌	HRYL0108840	16/7/2017	宏宗(保成)	雜工	*	*

保成

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Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:	7/9/2016			Time (Safety):			'-----'	
				Time (Environmental):			08:45am-09:00am	
Safety Toolbox Talk topic:		'-----'			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		'-----'	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Li Ngai Kuen	李毅權	SCW03081864R	30/7/2018	宏宗(保成)	管工	*	*
2	Chan Suen (Melody)	陳璿	HRKT0085743	24/5/2018	宏宗(保成)	Intern	*	*
3	Lau Wing Kin	劉永健	SCW03172623	26/10/2018	宏宗(保成)	AQS	*	*
4	Mai Suni	麥素妮	SEITSC-017245	2/6/20219	宏宗(保成)	工人	*	*
5	Ngo Shu Hoi	敖樹海	HRYL0173143R	29/5/2019	宏宗(保成)	AQS	*	*
6	Tsoi Wan Wah	蔡云華	GC-246034R	4/12/2016	宏宗(保成)	訊號員	*	*
7	Zeng Qiongying	曾琼英	SCW03167181	19/5/2018	宏宗(保成)	工人	*	*
8	Li Kwan	李君	HRJD0115347R	14/2/2017	宏宗(保成)	工人	*	*
9	Chan Ka Ming (Alex)	陳家銘	CWGC/SAF/02773R	23/10/2017	宏宗(保成)	工人	*	*
10	Tam Chi Wah	譚志華	SCW03146839R	21/11/2016	宏宗(保成)	管工	*	*

保成



Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:		7/9/2016			Time (Safety):		'-----'	
					Time (Environmental):		08:45am-09:00am	
Safety Toolbox Talk topic:		'-----'			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		'-----'	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Leung Chung Yan	梁松有	HRJD0130449R	21/06/2017	宏宗(保成)	札鐵 / 索具工	*	*
2	Sin Fook Shing	冼福成	HRYL0117486R	24/10/2017	宏宗(保成)	札鐵	*	*
3	Wong Siu Yin	黃兆然	HRJD0162074R	26/03/2018	宏宗(保成)	札鐵	*	*
4	So Shing	蘇勝	HRYL0095882R	5/3/2017	宏宗(保成)	札鐵	*	* MS
5	Au Ping Leung	區秉良	HRTW0053388R	13/02/2017	宏宗(保成)	札鐵	*	*
6	TSE Kai Wah	謝啟華	SCW03166228	21/04/2018	宏宗(保成)	札鐵	*	* 李
7	Ho Kan Shing	何根成	HRYL0109477R	22/07/2017	宏宗(保成)	札鐵 / 索具工	*	* 何
8	Xie Yan Feng	謝燕峰	SCW03143231	10/6/2016	宏宗(保成)	札鐵	*	* 謝
9	Chan Chi Yung	陳志勇	HRKT0089834	23/07/2018	宏宗(保成)	札鐵	*	*
10	Xie Yanbo	謝燕波	SCW0343230	10/6/2016	宏宗(保成)	札鐵	*	*

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Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:	7/9/2016			Time (Safety):			-----	
				Time (Environmental):			08:45am-09:00am	
Safety Toolbox Talk topic:		-----			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		-----	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Wong Chi Ming	黃志明	HRYL013195R	30/03/2016	宏宗(保成)	札鐵	*	*
2	Cong Man Nhat	江文日	HRYL009551R	4/3/2017	宏宗(保成)	札鐵	*	*
3	Kwok Shui Hing	郭水興	HRYL0125309	20/01/2018	宏宗(保成)	鋼筋屈紮工	*	*
4	Sin Kwong Lun	冼廣倫	HRYL0114346R	26/10/2017	宏宗(保成)	札鐵	*	*
5	Li Hon Wa	李漢華	SCW03156428	02/07/2017	宏宗(保成)	札鐵	*	*
6	Ngai Chi Wing	魏志榮	HRJD0118523R	10/3/2017	宏宗(保成)	扎鐵	*	* 
7	Lee Chin Wah	李展華	HRKT0063814R	21/7/2017	宏宗(保成)	扎鐵	*	*
8	Chik Kin Wang	植健宏	HRYL0080626	29/7/2016	宏宗(保成)	扎鐵	*	*
9	Hon Wai Keung	韓偉強	GC-068752R	16/12/2016	宏宗(保成)	扎鐵	*	* 
10	Yip Chui Ching	葉翠青	HRYL0104053R	22/5/2017	宏宗(保成)	扎鐵	*	*

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Record of Attendance of Training

Training Session:		Site Safety and Environmental Induction / Safety Toolbox talk / Environmental Toolbox talk / Safety Work Cycle / Others: (Day)						
Date:		7/9/2016			Time (Safety):		'-----'	
					Time (Environmental):		08:45am-09:00am	
Safety Toolbox Talk topic:		'-----'			Environmental Toolbox Talk Topic:		污水處理	
Training Tutor (Safety):		Michael So / Eric Loh / Edward Leung / Samuel Lee			Training Tutor Signature (Safety):		'-----'	
Training Tutor (Environmental):		Grant Hui / Ruby Law			Training Tutor Signature (Environmental):			
No.	Name of Trainee (英文名)	中文名	Green Card No (平安咭)	Expire Date (到期日)	Company (公司名)	Trade (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Chau Chi Luen	周自聯	HRYL0099569R	15/4/2017	宏宗(保成)	扎鐵	*	*
2	Lam Koon Tak	林觀得	HRTW0053281R	16/2/2017	宏宗(保成)	工人	*	*
3	Chan Po Kin	陳寶健	HRYL0116490R	6/10/2017	宏宗(保成)	扎鐵	*	*
4	Liu Chi Wai	廖志偉	HRYL0160933	27/1/2019	宏宗(保成)	工人	*	*
5	Pang Chau Lam	彭秋林	HRJD0140895R	1/11/2017	宏宗(保成)	扎鐵	*	*
6	Lee Chin Pang	李展鵬	HRKT0089835	23/7/2016	宏宗(保成)	扎鐵	*	* <i>lw</i>
7	Tsui Wai Hung	徐偉洪	SC160301-17074	28/2/2019	宏宗(保成)	工人	*	*
8	Chan Siu Por	陳少波	HRYL0097500R	30/4/2017	宏宗(保成)	工人	*	*
9	Au Yat Wai	區日威	SCW97900934	13/4/2017	宏宗(保成)	扎鐵	*	*
10	Pang Shing Yau	彭成有	HRJD0163300R	14/5/2018	宏宗(保成)	工人	*	* <i>ly</i>

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Record of Attendance of Training

Training Session :	Site Safety and Environmental Induction / Safety Toolbox talk / <u>Environmental Toolbox talk</u> / Safety Work Cycle / Others: (Day)		
Date:	07 / 08 09 / 2016	Time (Safety) :	
Safety Toolbox Talk Topic		Time (Environmental) :	11:15 - 11:30
Training Tutor (Safety):	Eric Loh / Leung Yu Cheng / Lee Wing Hung	Environmental Toolbox Talk Topic	Wastewater treatment
		Training Tutor Signature (Safety)::	
Training Tutor (Environmental):	Grant Hui / Ruby Law	Training Tutor Signature (Environmental)::	

No.	Name of Trainee (英文名)	Chinese Name (中文名)	Green Card No. (平安卡)	Expire day (到期日)	Company (公司)	Trades (工種)	Safety Training 安全訓練 (簽名)	Environmental Training 環保訓練 (簽名)
1	Shi Xiugin	施秀琴	HRYL0150324	29/09/2018	保成	乙工		秀琴
2	Chow Chi Lun	周子倫	GC-378220	1/4/2018	OSCAR	Engineering Manager		周子倫
3								
4								
5								
6								
7								
8								
9								
10								