#### MONTHLY EM&A REPORT

OSCAR Bioenergy Joint Venture

Contract No. EP/SP/61/10
Organic Waste Treatment Facilities
Phase 1:
Third Monthly EM&A Report

1 August 2015 - 31 August 2015

#### **Environmental Resources Management**

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Third Monthly EM&A Report

1 August 2015 – 31 August 2015 Reference 0279222

For and on behalf of ERM-Hong Kong, Limited			
Approved by: Frank Wan			
Signed: March 1.			
Position: Partner			
Certified by:(Environmental Team Leader – Winnie Ko)			
Certified by:			
Date:14 September 2015			

## Meinhardt Infrastructure and Environment Limited

# Organic Waste Treatment Facilities, Phase I

Monthly EM&A Report (1 August 2015 – 31 August 2015)

(September 2015)

Verified by	: Helen Cochrane
Position: <u>Ir</u>	ndependent Environmental Checker
Date:	14 Sep. 2015

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#### **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 3<sup>rd</sup> monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 August 2015 to 31August 2015 in accordance with the EM&A Manual.

#### Summary of Construction Works undertaken during the Reporting Month

Works undertaken in the reporting month included:

- Piling;
- Excavation Works for Building 1 and Building 2;
- Earthing Copper Tape Installation; and
- Tower Crane Erection.

#### **Environmental Monitoring and Audit Progress**

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

• Joint Environmental Site Inspection

4 times

• Landscape & Visual Monitoring

2 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).

Inert C&D materials (public fill) include bricks, concrete, building debris, rubble and excavated spoil. In total, 6,657.25 tonnes of inert C&D material were generated from the Project, of which 0.00 tonnes were reused in this Contract and the remaining 6,657.25 tonnes were disposed as public fill to Fill Banks at Tuen Mun Area 38 and Tseung Kwan O Area 137.

Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse. 0.00 kg of metals, papers/ cardboard packing and plastics were sent to recyclers for recycling during the reporting period. 55.06 tonnes of general refuse was disposed as landfill.

#### **Environmental Site Inspection**

Five weekly joint environmental site inspections were carried out by the representatives of the Contractor, SOR and the Environmental Team (ET). The IEC was also present at the joint inspection on 19 August 2015. Details of the audit findings and implementation status of the mitigation measures are presented in *Section 6.1*.

#### Landscape & Visual

An onsite inspection on landscape and visual mitigation measures was performed on 14 and 28 August 2015. Details of the audit findings and implementation status of the mitigation measures are presented in *Sections 6.2*.

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.

#### **Future Key Issues**

Works to be undertaken in the next reporting month include:

- Excavation Works for Building 1 and Building 2;
- Construction Works for Building 2; and
- AD Tank Foundation

Environmental impacts arising from the above construction activities are mainly associated with dust, construction noise, site runoffs, waste management and landscaping issues.

#### 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 3<sup>rd</sup> EM&A report which summarises the monitoring results and audit findings for the EM&A programme during the reporting period from 1 to 31 August 2015.

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

#### Section 3: Environmental Monitoring Requirements

It summarises the environmental monitoring requirements including monitoring parameters, programmes, methodologies, frequency, locations, Action and Limit Levels, Event/Action Plans, environmental mitigation measures as recommended in the EM&A Manual and approved EIA report.

## 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, environmental complaints and summons received within the reporting period.

#### Section 8: Further Key Issues

It summarises the impact forecast and monitoring schedule for the next reporting month.

#### Section 9: Conclusions

#### 2 PROJECT INFORMATION

#### 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.

Under the requirements of Condition 5 of the EP (No. FEP-01/395/2010/B), 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 April 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 Project Site is illustrated in *Annex A*.

#### 2.3 CONSTRUCTION ACTIVITIES

A summary of the major construction activities undertaken in the reporting period is shown in *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**

- Piling;
- Excavation Works for Building 1 and Building 2;
- Earthing Copper Tape Installation; and
- Tower Crane Erection

#### 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/ Licences/	Reference	Validity Period	Remarks
Notification			
Environmental	FEP-01/395/2010/B	Throughout the	Permit granted on 16
Permit		Contract	February 2015
Notification of	Ref No. 386715	Throughout the	-
Construction Works		Contract	
under the Air			
Pollution Control			
(Construction Dust)			
Regulation			
Effluent Discharge	WT00021482-2015	21 May 2015 - 31	Approved on 21 May
License		May 2020	2015
Construction Noise	GW-RW0396-15	1 April 2015 - 14	-
Permit		January 2016	
Chemical Waste	WPN 5213-961-	Throughout the	Approved on 29 April
Producer Registration	O2231-01	Contract	2015
Waste Disposal	Account number:	Throughout the	-
Billing Account	702310	Contract	

## 3 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.

# 4 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*.

#### **WASTE MANAGEMENT**

5

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	Non-inert C&D Materials (b)		
	Materials Generated (a)	C&D Materials Recycled ©	C&D Waste Disposed of at	Chemical Waste
			Landfill (d)	
August 2015	6,657.25 tonnes	0.00 kg	55.06 tonnes	0 L

#### Notes:

- (a) Inert C&D materials (public fill) include bricks, concrete, building debris, rubble and excavated spoil. In total, 6,657.25 tonnes of inert C&D material were generated from the Project, of which 0.00 tonnes were reused in this Contract and the remaining 6,657.25 tonnes were disposed as public fill to Fill Banks at Tuen Mun Area 38 and 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) 0.00 kg of metals, 0.00 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 ENVIRONMENTAL INSPECTIONS

#### 6.1 WEEKLY SITE AUDITS

Joint site inspections were conducted by representatives of the Contractor, the ER, IC and the ET on 7, 14, 19 and 28 August 2015. The IEC was also present at the joint inspection on 19 August 2015. Follow-up actions resulting from the last site inspections were taken as reported by the Contractor and their results were observed in the site inspections conducted in the reporting period.

Major observations during the reporting period are summarised as follows:

#### 7 August 2015

- Exposed area for vehicle route was found to be dry and dusty. It was recommended to spray water regularly to prevent dry and dusty situation.
- Environmental Permit displayed at the entrance was found to be folded. It was recommended to provide an Environmental Permit at a convenient location for public's information at any times.

#### 14 August 2015

- Rock breaking activity was found to be dry and dusty. It was
  recommended to spray water to prevent fugitive dust emission especially
  during dry weather.
- Chemical containers were found to be placed on top of plant equipment without drip tray. It was recommended to place them on ground level and to provide drip tray to them.

#### 19 August 2015

- Exposed work area in Building 2 area was found to be dry and dusty. It was recommended to spray water to prevent fugitive dust emission especially during dry weather.
- Soil was found to be not completely covered by tarpaulin sheet. It was recommended to fully cover it to prevent fugitive dust emission especially during dry weather.

#### 28 August 2015

• Different types of chemical containers were found to be placed without drip trays. It was recommended to provide drip tray for chemical containers, and to place the same type of chemical in the same area.

#### 6.2 LANDSCAPE AND VISUAL AUDIT

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. An onsite inspection of the landscape and visual mitigation measures was performed on 14 and 28 August 2015.

Follow-up actions resulting from the last site inspections were taken as reported by the Contractor and their results were observed in the site inspections conducted in the reporting period.

It was confirmed that most of the necessary landscape and visual mitigation measures as summarised in *Annex E* were implemented by the Contractor.

The major findings are summarised as follows:

Item	Observation & Recommendation	Photo Record		
14 Au	14 August 2015			
1.	Tree T43 was found to be in poor health condition. It was recommended to spray water to it regularly and seek advice from the landscape architect to check the condition of tree.	(T43)		
28 August 2015				
1.	No observation was recorded.			

#### 7 ENVIRONMENTAL NON-CONFORMANCE

#### 7.1 SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE

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

#### 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*.

#### 8 FUTURE KEY ISSUES

#### 8.1 KEY ISSUES FOR THE COMING MONTH

Works to be undertaken for the coming monitoring period are summarised in *Table 8.1*.

#### Table 8.1 Construction Works to be undertaken in the Next Reporting Period

#### **Construction Activities Undertaken**

- Excavation Works for Building 1 and Building 2
- Construction Works for Building 2
- AD Tank Foundation

Potential environmental impacts arising from the above construction activities will be mainly associated with dust, construction noise, site runoffs, waste management and landscaping issues.

#### 8.2 CONSTRUCTION PROGRAMME

The most up-to-date construction programme for the Project is presented in *Annex C*.

#### 9 CONCLUSIONS

This EM&A Report presents the EM&A programme undertaken during the reporting period from 1 August 2015 to 31 August 2015 in accordance with EM&A Manual and requirements of EP (FEP-01/395/2010/B).

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

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

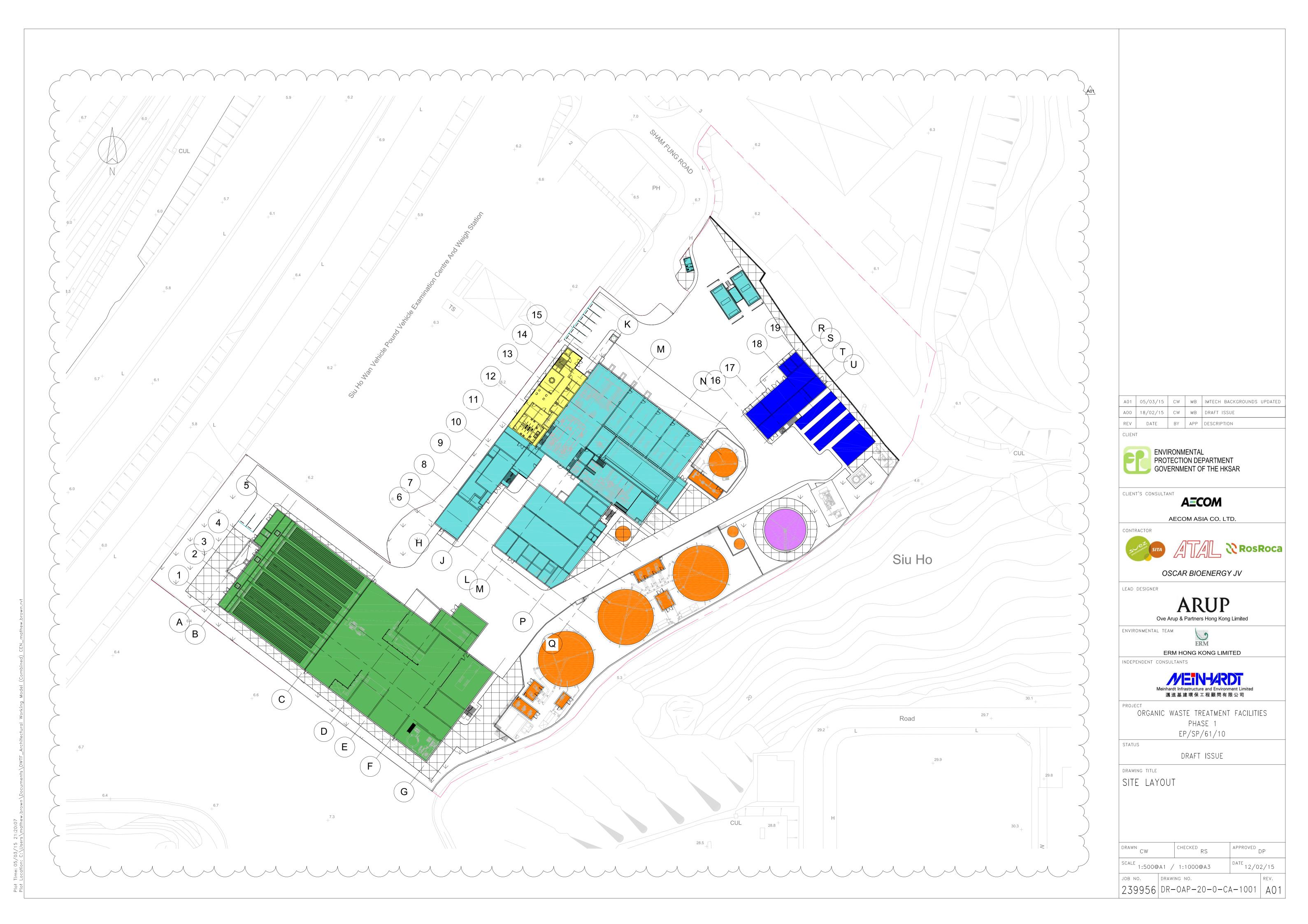
No non-compliance event was recorded during the reporting period.

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

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

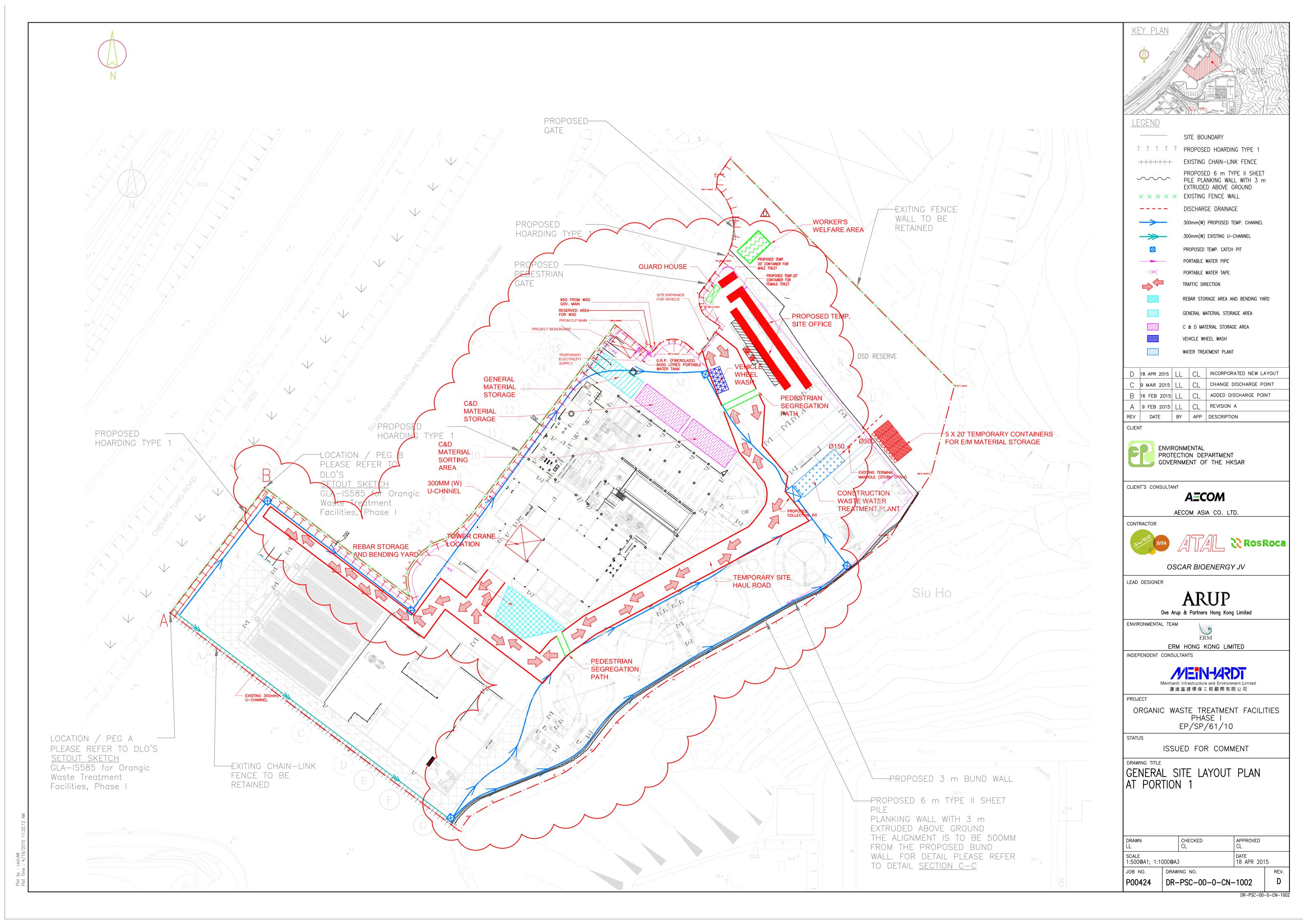
#### Annex A

# Project Layout



#### Annex B

## Works Location



#### Annex C

Construction Programme of the Project

**Environmental Protection Department** Contract No. EP/SP/61/10 **Contract Programme v1.2** of the HKSAR OSCAR BIOENERGY JV Organic Waste Treatment Facilities, Phase 1 | Total | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | 2015 | | Contract No. EP/SP/61/10 - The Design & Construction Works 1 19-Nov-14 19-Nov-14 19-Nov-14 1 19-Nov-14 19-Nov-14 19-Nov-14 LETTER OF ACCEPTANCE LETTER OF ACCEPTANCE KD100200 1 19-Nov-14 19-Nov-14 19-Nov-14 MAJOR MILESTONES MC1 Milestones for Preliminaries and General Requirments 84 17-Dec-14 27-Apr-15 18-Apr-17 18-Apr-17 84 17-Dec-14 27-Apr-15 18-Apr-17 18-Apr-17 MC1.1 - Substantial Completion of ER & IC Accommodat ◆ MC1.1 - Substantial Completion of ER & IC Accor MC1.2 - Joint signing of IC Agreement 18-Apr-17 ◆ MC1.2 - Joint signing of IC Agreement 18-Mar-15 ◆ MC1.3 - Employer's consent granted on draft Contractor's Plans MC110300 MC1.3 - Employer's consent granted on draft Contractor's Plans MC2 Milestones for Design of the Works MC2.1 The Employer's consent granted on Detailed Design Submission 119 15-Jun-15 03-Dec-15 18-Apr-17 18-Apr-17 03-Dec-15 ♦ MC2.1.1:- Employer's consent granted in respect of Detailed Design of Waste Receiving & Pre-treatment System MC210100 MC2.1.1 - Employer's consent granted in respect of Detailed Design of Waste Receiving & Pre-treatment System 20-Jul-15 MC210200 MC2.1.2 - Employer's consent granted in respect of Detailed Design of Anaerobic Digestion Treatment System 25-Aug-15 18-Apr-17 ◆ MC2.1.2 - Employer's consent granted in respect of Detailed Design of Anaerobic Digestion Treatment System ◆ MC2.1.3 - Employer's consent granted in respect of Detailed Design of Biogas treatment & CHP Generation System MC210300 MC2.1.3 - Employer's consent granted in respect of Detailed Design of Biogas treatment & CHP Generation System 05-Aug-15 18-Apr-17 MC210400 MC2.1.4 - Employer's consent granted in respect of Detailed Design of Composting System 15-Jun-15 18-Apr-17 ◆ MC2.1.4 - Employer's consent granted in respect of Detailed Design of Composting System ♦ MC2.1.5 - Employer's consent granted in respect of Detailed Design of CAPC\$ & WWTS MC210500 MC2.1.5 - Employer's consent granted in respect of Detailed Design of CAPCS & WWTS 21-Sep-15 18-Apr-17 ♦ MC2.1.6 - Employer's consent granted in respect of Detail Design of control & Instrumentation works MC210600 MC2.1.6 - Employer's consent granted in respect of Detail Design of control & instrumentation works 22-Oct-15 18-Apr-17 ♦ MC2.1.7 - Employer's consent granted in respect of building services & electrical works MC210700 MC2.1.7 - Employer's consent granted in respect of building services & electrical works 11-Nov-15 18-Apr-17 353 MC210800 MC2.1.8 - Employer's consent granted in respect of Detailed Design of civil, structural & geotechnical works 25-Nov-15 18-Apr-17 ◆ MC2.1.8 - Employer's consent granted in respect of Detailed Design of civil, structural & geotechnical works MC210900 MC2.1.9 - Employer's consent granted in respect of Detailed Design of architectural & landscape works 03-Dec-15 18-Apr-17 337 MC2:1.9 - Employer's consent granted in respect of Detailed Design of architectural & landscape works MC2.2 Completion of the Design of the Works 0 03-Dec-15 03-Dec-15 18-Apr-17 18-Apr-17 0 03-Dec-15 03-Dec-15 18-Apr-17 18-Apr-17 337 MC2.2 - Completion of the Design of the Works ◆ MC2,2 - Completion of the Design of the Works MC3 Milestones for Construction of the Works MC3.1 Construction of Civil and Structural Works 445 06-Jul-15 31-Dec-16 18-Apr-17 18-Apr-17 445 06-Jul-15 MC310100 MC3.1.1 - Completion of site formation MC3:1.1 - Completion of site formation MC310200 MC3.1.2 - Completion of 50% of piling works 06-Jul-15 18-Apr-17 ◆ MC3.1.2 - Completion of 50% of piling works MC310300 MC3.1.3 - Completion of 100% of piling works 22-Sen-15 18-Apr-17 ◆ MC3.1.3 - Completion of 100% of piling works MC310400 MC3.1.4 - Completion of 50% of superstructure works 08-Jan-16 18-Apr-17 ♦ MC3.1.4 - Completion of 50% of superstructure wdrks ◆ MC3.1.5 - Completion of 80% of superstructure works MC310500 MC3.1.5 - Completion of 80% of superstructure works 13-Feb-16 18-Apr-17 MC310600 MC3.1.6 - Completion of 100% of superstructure works 11-Apr-16 18-Apr-17 ◆ MC3.1.6 - Completion of 100% of superstructure works MC310700 MC3.1.7 - Completion of 100% of drainage, road and geotechnical works 31-Dec-16 18-Apr-17 ♦ MC3.1.7 - Completion of 100 MC3.2 Delivery of Materials and Equipment to the Site 187 11-Nov-15 02-Jul-16 18-Apr-17 18-Apr-17 187 11-Nov-15 02-Jul-16 18-Apr-17 18-Apr-17 MC3.2.1 - Completion of Delivery of Pfre-treatment System ◆ MC3.2.1 - Completion of Delivery of Pfre-treatment System MC320100 26-Jan-16 18-Apr-17 MC320200 MC3.2.2- Completion of Delivery of Anaerobic Digesters 11-Jan-16 18-Apr-17 ◆ MG3.2.2- Completion of Delivery of Anaerobic Digesters MC3.2.3 - Completion of Delivery of Combined Heat and Power Units 02-Jul-16 18-Apr-17 MC3.2.3 - Completion of Delivery of Combined Heat and Power Units MC320300 MC3.2.4 - Completion of Delivery of Composting Tunnels 18-Apr-17 ◆ MC3.2.4 - Completion of Delivery of Composting Tunnels MC320400 08-Jan-16 MC3.2.5 - Completion of Delivery of Centralized Air Pollution Control System 11-Nov-15 18-Apr-17 ♦ MC3.2.5 - Completion of Delivery of Centralized Air Pollution Control System MC320500 MC320600 MC3.2.6 - Completion of Delivery of Wastewater Treatment System 11-Apr-16 18-Apr-17 ◆ MC3.2.6 - Completion of Delivery of Wastewater Treatment System 136 20-Jun-16 30-Nov-16 18-Apr-17 18-Apr-17 MC3.3 Equipment and System Installations 30-Nov-16 MC330100 MC3.3.1 - Completion of Waste Receiving, Storage and Feeding System & Pre-treatment System 15-Aug-16 18-Apr-17 ◆ MC3.3.1 - Completion of Waste Receiving, Storage and Feedin ◆ MC3.3.2 - Completion of Anaerobic Digestion Treatment MC3.3.2 - Completion of Anaerobic Digestion Treatment System 12-Sep-16 18-Apr-17 174 MC330200 ◆ MC3.3.3 - Completion of Bipgas Cleaning MC330300 MC3.3.3 - Completion of Biogas Cleaning and Storage System 08-Nov-16 18-Apr-17 128 MC3.3.4 - Completion of Heat Recovery and Power Generation System ♦ MC3.3.4 - Completion of Heat Reco MC330400 30-Nov-16 18-Apr-17 MC330500 MC3.3.5 - Completion of Composting System 12-Nov-16 18-Apr-17 124 ♦ MC3.3.5 - Completion of Composting Sys MC3.3.6 - Completion of Centralized Air Pollution Control System ◆ MC3.3.6 - Completion of Centralized Air Pollution Control Sys MC330600 25-Aug-16 18-Apr-17 Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 1 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

**Environmental Protection Department** Contract No. EP/SP/61/10 **Contract Programme v1.2** of the HKSAR OSCAR BIOENERGY JV Organic Waste Treatment Facilities, Phase 1 Total
| Total | 2015 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | MC330700 MC3.3.7 Completion of Wastewater Treatment System MC330800 MC3.3.8 - Completion of control and instrumentation works 19-Aug-16 18-Apr-17 ◆ MC3.3.8 - Completion of control and instrumentation works MC330900 MC3.3.9 - Completion of building services works & electrical works 29-Sep-16 18-Apr-17 ♦ MC3.3.9 - Completion of building services works & e 0 20-Dec-16 20-Dec-16 18-Apr-17 18-Apr-17 0 20-Dec-16 20-Dec-16 18-Apr-17 18-Apr-17 ◆ MC3.4 - Completion of architec MC3.4 - Completion of architectural and landscape works MC340100 MC3.5 Testing and Commissioning 45 19-Jan-17 16-Mar-17 18-Apr-17 18-Apr-17 16-Mar-17 MC350100 MC3.5.1 - Employer's consent granted on all FAT,SAT,System Comm.Test,Process Start Up & Process Comm.&Plant Comm.T.Plan 20-Jan-17 ♦ MC3.5.1 - Employer's ◆ MC3.5.2 - Employer's co MC350200 MC3.5.2 - Employer's consent granted on all System Commissioning Reports 19-Jan-17 18-Apr-17 ◆ MC3.5.3 Emplo 14-Feb-17 MC350300 MC3.5.3 - Employer's consent granted on the Process Start Up & Process Commissioning Report 18-Apr-17 ◆ MC3.5.4 MC350400 MC3.5.4 - Employer's consent granted on the Plant Commissioning Report 16-Mar-17 18-Apr-17 16-Mar-17 16-Mar-17 16-Mar-17 MC3.6 Issuance of the Certificate of Substantial Completion by the Employer 0 16-Mar-17 0 16-Mar-17 16-Mar-17 16-Mar-17 MC3.6 Issuance of the Certificate of Substantial Completion by the Employer ♦ MC3.6 Is PRELIMINARY AND GENERAL REQUIREMENT WORKS Appointment and Assignment of Contractor's Superintendents, Designers, IC and ER 20 20-Nov-14 17-Dec-14 02-Dec-14 20-May-15 17-Dec-14 02-Dec-14 20-May-15 20 20-Nov-14 20 20-Nov-14 17-Dec-14 02-Dec-14 20-May-15 PI 100110 Notify the Employer of the proposed Project Manager 5 20-Nov-14 26-Nov-14 02-Dec-14 08-Dec-14 Notify the Employer of the proposed Project Manage PL100120 Submit Contractor's Management Team to Employer 10 27-Nov-14 10-Dec-14 09-Dec-14 22-Dec-14 Submit Contractor's Management Team to Employe PL100130 Employer appoves proposed Project Manager 10-Dec-14 22-Dec-14 ◆ Employer appoves proposed Project Manager PI 100140 Appoint Project Manager 5 11-Dec-14 17-Dec-14 23-Dec-14 31-Dec-14 Appoint Project Manager PI 100150 Jointly Appoint the Independent Consultant with the Employe 10 20-Nov-14 03-Dec-14 02-Dec-14 15-Dec-14 Jointly Appoint the Independent Consultant with the Employer PL100160 IC to submit names of representatives to Employer & Contractor 20 20-Nov-14 17-Dec-14 22-Apr-15 20-May-15 IC to submit names of representatives to Employer & Contracto PL100180 Employer notifies Contractor of Employer's Representative 17-Dec-14 31-Dec-14 ◆ Employer notifies Contractor of Employer's Representative 39 20-Nov-14 16-Jan-15 22-Apr-15 39 20-Nov-14 16-Jan-15 22-Apr-15 17-Jun-15 Submit application for Further Environmental Permit PL100190 Submit application for Further Environmental Permit 5 20-Nov-14 26-Nov-14 20-May-15 27-May-15 PL100200 Prepare & submit Emergency Procedures Plan by ET to IEC & ER 12 20-Nov-14 05-Dec-14 22-Apr-15 08-May-15 Prepare & submit Emergency Procedures Plan by ET to IEC & ER ■ IEC checks & verifies Emergency Procedures Plan 10 08-Dec-14 19-Dec-14 11-May-15 22-May-15 101 PL100210 IEC checks & verifies Emergency Procedures Plan ER approves Emergency Procedures Plan PL100220 ER approves Emergency Procedures Plan 05-Jan-15 04-Jun-15 PL100230 Submit approved Emergency Procedures Plan to Dir of EP 4 06-Jan-15 09-Jan-15 Submit approved Emergency Procedures Plan to Dir of EP 05-Jun-15 10-Jun-15 ◆ Obtain Further Environmental Permit from Dir of EP PL100240 Obtain Further Environmental Permit from Dir of EP 16-Jan-15 17-Jun-15 40 20-Nov-14 02-Dec-14 22-May-1 19-Jan-15 Guarantees, Undertakings & Insurances 40 20-Nov-14 19- Jan-15 02-Dec-14 22-May-15 40 20-Nov-14 19-Jan-15 02-Dec-14 22-May-15 Provision of Guarantee to Employer Provision of Guarantee to Employer PL100250 10 20-Nov-14 03-Dec-14 16-Dec-14 31-Dec-14 10 20-Nov-14 03-Dec-14 16-Dec-14 31-Dec-14 Provision of Undertaking to Employer PL100260 Provision of Undertaking to Employe PL100270 Provision of Undertakings from related companies to Employer 10 20-Nov-14 03-Dec-14 16-Dec-14 31-Dec-14 Provision of Undertakings from related companies to Employer PL100280 Provision of the Bond to Employer 15 20-Nov-14 10-Dec-14 09-Dec-14 31-Dec-14 Provision of the Band to Employer PL100290 Provision of Contractor's All Risks Insurance 20 20-Nov-14 17-Dec-14 02-Dec-14 31-Dec-14 Provision of Contractor's All Risks Insurance 02-Dec-14 31-Dec-14 Provision of Professional Indemnity Insurance PL100300 Provision of Professional Indemnity Insurance 20 20-Nov-14 17-Dec-14 PL100310 20 20-Nov-14 17-Dec-14 02-Dec-14 31-Dec-14 Provision of Employee Compensation Insurance Provision of Employee Compensation Insurance 20 20-Nov-14 02-Dec-14 31-Dec-14 Provision of Motor Vehicle Insurance PL100320 Provision of Motor Vehicle Insurance 17-Dec-14 PL100330 Submit Undertakings & Certificates of PI Insurance 40 20-Nov-14 19-Jan-15 24-Mar-15 22-May-15 Submit Undertakings & Certificates of Pl Insurance 45 20-Nov-14 14-Jan-15 25-Mar-15 17-Jun-15 25-Mar-15 17-Jun-15 45 20-Nov-14 14-Jan-15 25-Mar-15 17-Jun-15 45 20-Nov-14 14-Jan-15 Prepare & Submit Programme to IC & Employer PL100340 Prepare & Submit Programme to IC & Employer PL100350 IC checks & certifies Programme 14 18-Dec-14 31-Dec-14 21-May-15 03-Jun-15 IC checks & certifies Programme PL100360 ◆ Employer Consents to Contract Programme Employer Consents to Contract Programme PL100370 Prepare & submit 3 months programme to Employer, ER & IC 10 04-Dec-14 17-Dec-14 11-May-15 22-May-15 Prepare & submit 3 months programme to Employer, ER & IC Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 2 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | PL100380 Prepare & submit Critical Path Network to Employer, ER & IC PL100390 IC checks & certifies Critical Path Network 14 18-Dec-14 31-Dec-14 25-Apr-15 08-May-15 IC checks & certifies Critical Path Network PL100400 Employer Consents to Critical Path Network 14-Jan-15 22-May-15 ◆ Employer Consents to Critical Path Network 20-Nov-14 22-May-1 Prepare & submit Contractor's Plans to Employer, ER & IC 30-Apr-15 128 20-Nov-14 30-Apr-15 20-Nov-14 22-May-15 PL100410 Sub-contractor Management Plan 20 20-Nov-14 17-Dec-14 24-Apr-15 22-May-15 Sub-contractor Management Plan Draft Project Mahagement Plan PL100420 Draft Project Management Plan 20 20-Nov-14 17-Dec-14 25-Mar-15 24-Apr-15 PI 100430 IC checks & certifies Project Management Plan 14 18-Dec-14 31-Dec-14 25-Apr-15 08-May-15 IC checks & certifies Project Management Plan ◆ Employer consents to Project Management Plan PL100440 Employer consents to Project Management Plan 14-Jan-15 22-May-15 PL100450 Draft Human Resource Plan 20 20-Nov-14 17-Dec-14 25-Mar-15 24-Apr-15 Draft Human Resource Plan PL100460 IC checks & certifies Human Resource Plan 14 18-Dec-14 31-Dec-14 25-Apr-15 08-May-15 IC checks & certifies Human Resource Plan PI 100470 Employer consents to Human Resource Plan 14-Jan-15 22-May-15 ◆ Employer consents to Human Resource Plan PL100480 Draft Design Plan 20 20-Nov-14 17-Dec-14 20-Nov-14 17-Dec-14 Draft Design Plan PL100490 IC checks & certifies Design Plan 14 18-Dec-14 31-Dec-14 18-Dec-14 31-Dec-14 IC checks & certifies Design Plan PL100500 Employer consents to Design Plan 14-Jan-15 14-Jan-15 Employer consents to Design Plan PI 100510 Draft Works Plan 20 20-Nov-14 17-Dec-14 25-Mar-15 24-Apr-15 Draft Works Plan PL100520 IC checks & certifies Works Plan 14 18-Dec-14 31-Dec-14 25-Apr-15 08-May-15 IC checks & certifies Works Plan PL100530 Employer consents to Works Plan 14-Jan-15 22-May-15 ◆ Employer consents to Works Pla PI 100540 Draft Operation Plan 62 20-Nov-14 18-Feb-15 22-Jan-15 24-Apr-15 Draft Operation Plan PL100550 IC checks & certifies Operation Plan 14 19-Feb-15 04-Mar-15 25-Apr-15 08-May-15 IC checks & certifies Operation Plan PL100560 Employer consents to Operation Plan 18-Mar-15 22-May-15 Employer consents to Operation Plan PL100570 Draft Asset Management Plan 20 20-Nov-14 17-Dec-14 25-Mar-15 24-Apr-15 IC checks & certifies Asset Management Plan PI 100580 IC checks & certifies Asset Management Plan 14 18-Dec-14 31-Dec-14 25-Apr-15 08-May-15 PL100590 Employer consents to Asset Management Plan 14-Jan-15 22-May-15 ◆ Employer consents to Asset Management Plan PL100600 Draft Environmental Management Plan 20 20-Nov-14 17-Dec-14 07-Jan-15 03-Feb-15 Draft Environmental Management Plan PL100610 IC checks & certifies Environmental Management Plan 14 18-Dec-14 31-Dec-14 25-Apr-15 08-May-15 IC checks & certifies Environmental Management Plan ◆ Employer consents to Environmental Management Plan PL100620 Employer consents to Environmental Management Plan 14-Jan-15 22-May-15 PL100630 Final Environmental Management Plan 20 18-Dec-14 19-Jan-15 04-Feb-15 05-Mar-15 Final Environmental Management Plan PL100640 Draft Quality Plan 20 20-Nov-14 17-Dec-14 25-Mar-15 24-Apr-15 Diraft Quality Plan PL100650 IC checks & certifies Quality Plan 14 18-Dec-14 31-Dec-14 25-Apr-15 08-May-15 IC checks & certifies Quality Plan PL100660 Employer consents to Quality Plan 14-Jan-15 22-May-15 ◆ Employer consents to Quality Plah PL100670 Submit CV for Quality Sub-agent 30-Apr-15 22-May-15 Submit CV for Quality Sub-agent PL100680 Draft Safety and Health Plan 20 20-Nov-14 17-Dec-14 25-Mar-15 24-Apr-15 Draft Safety and Health Plan PL100690 IC checks & certifies Safety & Health Plan 14 18-Dec-14 31-Dec-14 25-Apr-15 08-May-15 IC checks & certifies Safety & Health Plan PL100700 Employer consents to Safety & Health Plan 14-Jan-15 22-May-15 ◆ Employer consents to Safety & Health Plan PL100710 Final Safety and Health Plan 17 18-Dec-14 14-Jan-15 29-Apr-15 22-May-15 Final Safety and Health Plan PL100720 Site Management Plan for Trip Ticket System (TTS) 14 11-Dec-14 02-Jan-15 02-Apr-15 Site Management Plan for Trip Ticket System (TTS) PL100730 IC checks & certifies TTS Site Management Plan 14 03-Jan-15 IC checks & certifies TTS Site Management Plan PL100740 Employer consents to TTS Site Management Plan 30-Jan-15 22-May-15 ♦ Employer consents to TTS Site Management Plan 32 20-Nov-14 07-Jan-15 08-Apr-15 22-May-15 32 20-Nov-14 07-Jan-15 08-Apr-15 22-May-15 PL100750 Submit complaints procedure to ER 20 20-Nov-14 17-Dec-14 08-Apr-15 06-May-15 Submit complaints procedure to ER ◆ ER agrees to complaint procedures PL100760 ER agrees to complaint procedures 31-Dec-14 18-May-15 PL100770 Establish Hotline for complaints 4 02-Jan-15 07-Jan-15 19-May-15 22-May-15 Establish Hotline for complaints 5 02-Feb-15 09-Feb-15 12-Sep-16 19-Sep-16 5 02-Feb-15 09-Feb-15 12-Sep-16 19-Sep-16 PL100780 Submit particulars of Tree supervisor to Employe Submit particulars of Tree supervisor to Employe 5 02-Feb-15 09-Feb-15 12-Sep-16 19-Sep-16 Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 3 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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09-Sep-16 23-Oct-16 36 20-Jun-16 01-Aug-16 09-Sep-16 23-Oct-16 I Submission of Detail CV before Process Start up and commissioning OP100100 Submission of Detail CV before Process Start up and commissioning 1 20-Jun-16 20-Jun-16 09-Sep-16 09-Sep-16 OP100110 IC checks & comments on Detail CV 14 21-Jun-16 04-Jul-16 12-Sep-16 25-Sep-16 IC checks & comments on Detail CV Revise & resubmit Detail CV Revise & resubmit Detail CV 7 05-Jul-16 11-Jul-16 26-Sep-16 02-Oct-16 OP100120 OP100130 IC checks & certifies Detail CV 7 12-Jul-16 18-Jul-16 03-Oct-16 09-Oct-16 ■ IC checks & certifies Detail CV Employer Consents to Detail CV before Process Start up and commissioning Employer Consents to Detail CV before Process Start up and com OP100140 01-Aug-16 23-Oct-16 41 14-Jun-16 01-Aug-16 15-Nov-16 02-Jan-17 All System Commissioning Plan 41 14-Jun-16 01-Aug-16 15-Nov-16 02-Jan-17 Submission of All System Commissioning Plan OP100150 Submission of All System Commissioning Plan 5 14-Jun-16 20-Jun-16 15-Nov-16 21-Nov-16 IC checks & comments on All System Commissioning Plan OP100160 IC checks & comments on All System Commissioning Plan 14 21-.lun-16 04-.lul-16 22-Nov-16 05-Dec-16 OP100170 Revise & resubmit All System Commissioning Plan 7 05-Jul-16 11-Jul-16 06-Dec-16 12-Dec-16 Revise & resubmit All System Commissioning Plan OP100180 IC checks & certifies All System Commissioning Plan 7 12-Jul-16 18-Jul-16 13-Dec-16 19-Dec-16 ■ IC checks & certifies All \$ystem Commissioning Plan ◆ Employer Consents to All System Commissioning Plan OP100190 Employer Consents to All System Commissioning Plan 01-Aug-16 02-Jan-17 Process Start Un Plan 40 03-Oct-16 18-Nov-16 02-Dec-16 19-Jan-17 40 03-Oct-16 18-Nov-16 02-Dec-16 19-Jan-17 Submission of Process Start up Plan IC checks & comments on Process Start up Plan 14 08-Oct-16 09-Dec-16 22-Dec-16 C checks & comments on Process Start up Revise & resubmit Process Start up Plan OP100220 Revise & resubmit Process Start up Plan 7 22-Oct-16 28-Oct-16 23-Dec-16 29-Dec-16 IC checks & certifies Process Start up Pla IC checks & certifies Process Start up Plan 7 29-Oct-16 ♦ Employer Consents to Process Start up OP100240 Employer Consents to Process Start up Plan 38 05-Dec-16 20-Jan-17 25-Jan-17 16-Mar-17 Process Commissioning Plan 38 05-Dec-16 20-Jan-17 25-Jan-17 16-Mar-17 Submission of Process Commis OP100250 Submission of Process Commissioning Plan 5 05-Dec-16 09-Dec-16 25-Jan-17 02-Feb-17 OP100260 IC checks & comments on Process Commissioning Plan 14 10-Dec-16 23-Dec-16 03-Feb-17 16-Feb-17 C checks & comments on Pro 7 24-Dec-16 30-Dec-16 17-Feb-17 23-Feb-17 Revise & resubmit Process OP100270 Revise & resubmit Process Commissioning Plan IC checks & certifies Process Commissioning Plan IC checks & certifies Proc OP100280 7 31-Dec-16 06-Jan-17 24-Feb-17 02-Mar-17 OP100290 Employer Consents to Process Commissioning Plan ◆ Employer Consents to 20-Jan-17 16-Mar-17 Operation Plan 36 21-Jun-16 02-Aug-16 05-Jan-17 16-Feb-17 36 21-Jun-16 02-Aug-16 OP10030 Submission of Operation Plan 1 21-Jun-16 Submission of Operation Plan OP100310 IC checks & comments on Operation Plan 14 22-Jun-16 05-Jul-16 06-Jan-17 19-Jan-17 IC checks & comments on Operation Plan OP100320 Revise & resubmit Operation Plan 7 06-Jul-16 12-Jul-16 20-Jan-17 26-Jan-17 Revise & resubmit Operation Plan OP100330 IC checks & certifies Operation Plan 7 13-Jul-16 19-Jul-16 27-Jan-17 02-Feb-17 ■ IC checks & certifies Operation Plan OP100340 Employer Consents to Operation Plan Employer Consents to Operation Plan Plant Commissioning Plan 41 07-Nov-16 23-Dec-16 02-Dec-16 23-Feb-17 41 07-Nov-16 23-Dec-16 02-Dec-16 23-Feb-17 02-Dec-16 08-Dec-16 ■ Submission of Plant Commissioning Pla OP100350 Submission of Plant Commissioning Plan 5 07-Nov-16 11-Nov-16 IC checks & comments on Plant Com OP100360 IC checks & comments on Plant Commissioning Plan 14 12-Nov-16 25-Nov-16 13-Jan-17 26-Jan-17 Revise & resubmit Plant Commiss OP100370 Revise & resubmit Plant Commissioning Plan 7 26-Nov-16 02-Dec-16 27-Jan-17 02-Feb-17 ■ IC checks & certifies Plant Comr OP100380 IC checks & certifies Plant Commissioning Plan 7 03-Dec-16 09-Dec-16 03-Feb-17 09-Feb-17 Employer Consents to Plant Commissioning Plan ◆ Employer Consents to Plant Co OP100390 23-Feb-17 23-Dec-16 94 19-Dec-16 17-Feb-17 Operation and Maintenance Manuals and Record Drawings 17-Feb-17 18-Apr-17 94 19-Dec-16 18-Apr-17 94 19-Dec-16 18-Apr-17 17-Feb-17 18-Apr-17 ◆ Submission of draft Operation Submission of draft Operation and Maintenance Manual (SPE-A Clause 1.16.1.1) 0 19-Dec-16 Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 4 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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Install Type II Sheet Pile forming solid fence of 3th high along boundary facing the Siu Ho Wan Water Trea SE100280 Install Type II Sheet Pile forming solid fence of 3m high along boundary facing the Siu Ho Wan Water Treatment Works 26 16-Mar-15 18-Apr-15 22-Apr-15 22-May-15 Submit Tree preservation, transplanting and felling proposal to LandsD and EPD (Excl. Natural Terrain) SE100290 Submit Tree preservation, transplanting and felling proposal to LandsD and EPD (Excl. Natural Terrain) 21 06-Jan-15 29-Jan-15 26-Jan-15 18-Feb-15 SE100300 6 11-Feb-15 17-Feb-15 Formation of access to Natural Terrain (If required) Formation of access to Natural Terrain (if required) 30-Mar-15 09-Apr-15 SE100310 Tree survey (Natural Terrain - if required) 12 18-Feb-15 06-Mar-15 10-Apr-15 23-Apr-15 Tree survey (Natural Terrain - if required) SE100320 Submit Tree preservation, transplanting and felling proposal to LandsD and EPD (Natural Terrain - if required) 24 07-Mar-15 08-Apr-15 24-Apr-15 22-May-15 Submit Tree preservation, transplanting and felling proposal to LandsD and EPD (Natural Terrain - if required) Design Criteria Submission (DCS) 73 20-Nov-14 16-Feb-15 20-Nov-14 22-May-15 73 20-Nov-14 16-Feb-15 73 20-Nov-14 16-Feb-15 20-Nov-14 22-May-15 Prepare & submit Design Criteria, Codes & Standards to IC, ER & Employer DP100110 Prepare & submit Design Criteria, Codes & Standards to IC, ER & Employer 37 20-Nov-14 14-Jan-15 20-Nov-14 14-Jan-15 DP100120 14 15-Jan-15 28-Jan-15 10-Feb-15 23-Feb-15 IC checks & comments on Design Criteria Submissio IC checks & comments on Design Criteria Submission DP100130 Revise & resubmit Design Criteria to IC, ER & Employer 7 29-Jan-15 04-Feb-15 24-Feb-15 02-Mar-15 Revise & resubmit Design Criteria to IC, ER & Employer DP100140 IC checks & certifies Design Criteria Submission 7 05-Feb-15 11-Feb-15 03-Mar-15 09-Mar-15 ■ IC checks & certifies Design Criteria Submission Submit Design Criteria Check Certificate to Employer & ER ◆ Submit Design Criteria Check Certificate to Employer & ER DP100150 16-Feb-15 22-May-15 Design Consolidation - Process Layout 7 20-Nov-14 28-Nov-14 26-Nov-14 04-Dec-14 7 20-Nov-14 28-Nov-14 26-Nov-14 04-Dec-14 Overall Process Layout Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 5 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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Area Layout 9 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 Waste Reception Area Layout 9 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 Pre-treatment System Layout DP110120 Pre-treatment System Layout Wastewater Treatment System Layout DP110130 Wastewater Treatment System Layout 9 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 DP110140 Administration Building Layout 9 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 Administration Building Layout 05-Dec-14 17-Dec-14 Centralized Air Pollution Control System Layout DP110150 Centralized Air Pollution Control System Layout 9 01-Dec-14 11-Dec-14 ◆ Completion of Pre-Treatment Building Layout DP110160 Completion of Pre-Treatment Building Layout 11-Dec-14 18-Dec-14 11-Dec-14 Composting & Maturation Building #2 9 01-Dec-14 08-Dec-14 18-Dec-14 9 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 9 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 Composting Tunnel Layout DP210110 Composting Tunnel Layout 9 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 08-Dec-14 18-Dec-14 DP210120 Maturation Area & Facilities Layout 9 01-Dec-14 11-Dec-14 Maturation Area & Facilities Layou 9 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 Digestate Dewatering System Layout DP210130 Digestate Dewatering System Layout ◆ Completion of Compositing Building Layou DP210140 Completion of Compositing Building Layout 11-Dec-14 18-Dec-14 46 01-Dec-14 05-Feb-15 08-Dec-14 09-Feb-15 Auxiliary Buildings & Facilities Layout #3 46 01-Dec-14 05-Feb-15 08-Dec-14 09-Feb-15 46 01-Dec-14 05-Feb-15 08-Dec-14 09-Feb-15 Anaerobic Digestion Treatment System Layou Anaerobic Digestion Treatment System Layout 9 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 9 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 ■ Biogas Cleaning and Storage System Layout DP310120 Biogas Cleaning and Storage System Layout DP310130 Heat Recovery and Power Generation System Layout 9 01-Dec-14 08-Dec-14 18-Dec-14 Heat Recovery and Power Generation System Layout Weighbridge System Layout DP310140 Weighbridge System Layout 9 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 DP310150 9 01-Dec-14 08-Dec-14 18-Dec-14 Switchgear Room & Facilities Layout Switchgear Room & Facilities Layout Continuous Emission Monitoring System Layout DP310160 Continuous Emission Monitoring System Layout 9 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 DP310170 Completion of Auxiliary Buildings Layout 11-Dec-14 ◆ Completion of Auxiliary Buildings Layout Piled Foundation DP310180 Piled Foundation 10 23-Jan-15 05-Feb-15 27-Jan-15 09-Feb-15 18-Dec-14 11-Mar-15 56 01-Dec-14 23-Feb-15 56 01-Dec-14 23-Feb-15 18-Dec-14 11-Mar-15 DP100510 Topographic Survey 14 06-Jan-15 23-Jan-15 Topographic Survey DP100520 Completion of Design Layout 11-Dec-14 18-Dec-14 ◆ Completion of Design Layout DP100530 Completion of Design Preparation 23-Jan-15 09-Feb-15 ◆ Completion of Design Preparation DP100540 Frozen E&M Equipment Loading and General Layout 5 01-Dec-14 05-Dec-14 05-Mar-15 11-Mar-15 Frozen E&M Equipment Loading and General Layout Finalized E&M Equipment Detail DP100550 Finalized E&M Equipment Detail 42 19-Dec-14 23-Feb-15 09-Jan-15 11-Mar-15 94 20-Nov-14 16-Mar-15 25-Nov-14 14-Apr-16 94 20-Nov-14 16-Mar-15 25-Nov-14 14-Apr-16 DP100560 Prepare & submit GI Plan to IC & ER 10 20-Nov-14 03-Dec-14 25-Nov-14 08-Dec-14 Prepare & submit GI Plan to IC & ER IC certifies GI Plan DP100570 10 04-Dec-14 17-Dec-14 09-Dec-14 22-Dec-14 IC certifies GI Plan DP100580 ER Consents to GI Plan 05-Jan-15 08-Jan-15 ER Consents to GI Plan 21 20-Nov-14 13-Dec-14 08-Dec-14 03-Jan-15 DP100590 Mobilization and Appointment of GI Sub-Contractor Mobilization and Appointment of GI Sub-Contractor DP100600 Fieldwork (Including Predrilling and works at Natrual Terrain Unit 4) 35 06-Jan-15 14-Feb-15 09-Jan-15 18-Feb-15 Fieldwork (Including Predrilling and works at Natrual Terrain Unit 4) DP100610 Preliminary Fieldwork Report for AD Tanks Piling Design Preliminary Fieldwork Report for AD Tanks Piling Design 3 20-Jan-15 22-Jan-15 23-Jan-15 26-Jan-15 Final Fieldwork Report and Geotechnical Inte DP100620 Final Fieldwork Report and Geotechnical Interpretative Report 8 16-Feb-15 27-Feb-15 28-Feb-15 09-Mar-15 8 07-Mar-15 16-Mar-15 06-Apr-16 14-Apr-16 Fieldwork (Natural Terrain - if required) DP100655 Fieldwork (Natural Terrain - if required) 39 06-Jan-15 23-Feb-15 20-Jan-15 02-Jun-15 Plate Load Test Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 6 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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GENERAL, CIVIL, ABWF AND LANDSCAPE 91 19-Dec-14 15-Apr-15 19-Dec-14 12-May-15 General Building Plans Design DD101000 Prepare & submit General Building Plans to Stat Authorities/ Government, IC, ER & Employe 34 19-Dec-14 09-Feb-15 19-Dec-14 09-Feb-15 Prepare & submit General Buiding Plans to Stat Authorities/ Government, IC, ER & Employe DD101020 General Building Plans endorsed by Stat Authorities/ Government 03-Mar-15 13-Mar-15 ♦ General Building Plans endorsed by Stat Authorities/ Government DD101040 Submit General Building Plans to IC, ER & Employer 04-Mar-15 16-Mar-15 ◆ Submit General Building Plans to IC, ER & Employ DD101060 IC checks & comments on General Building Plans 14 05-Mar-15 18-Mar-15 18-Mar-15 31-Mar-15 IC checks & comments on General Building Plan DD101080 Revise & resubmit General Building Plans to IC, ER & Employer 7 19-Mar-15 25-Mar-15 01-Apr-15 07-Apr-15 Revise & resultmit General Building Plans to IC, ER & Employe DD101100 IC checks & certifies General Building Plans 7 26-Mar-15 01-Apr-15 08-Apr-15 14-Apr-15 IC checks & certifies General Building Plans DD101120 Employer consents to General Building Plans 15-Apr-15 12-May-15 ◆ Employer consents to General Building Plans Fire Safety Strategy Repor 104 19-Dec-14 30-Apr-15 30-Dec-14 13-Aug-15 104 19-Dec-14 30-Apr-15 30-Dec-14 13-Aug-15 Prepare & submit Detailed Design of Fire Safety Strategy Report to Stat Authorities/ Government, IC, ER & Employe DD102110 Prepare & submit Detailed Design of Fire Safety Strategy Report to Stat Authorities/ Government, IC, ER & Employer 04-Mar-15 30-Dec-14 11-Mar-15 49 19-Dec-14 DD102140 ◆ Detailed Design of Fire Safety Strategy Report endorsed by Stat Authorities/ Go Detailed Design of Fire Safety Strategy Report endorsed by Stat Authorities/ Government DD102180 Submit Detailed Design of Fire Safety Strategy Report to IC, ER & Employer 19-Mar-15 ◆ Submit Detailed Design of Fire Safety Strategy Report to IC, ER & Employer 24-Apr-15 IC checks & comments on Detailed Design of Fire Safety Strategy Report DD102200 IC checks & comments on Detailed Design of Fire Safety Strategy Report 14 20-Mar-15 02-Apr-15 25-Apr-15 08-May-15 Revise & resubmit Detailed Design of Fire Safety Strategy Report to IC, ER & Employer Revise & resubmit Detailed Design of Fire Safety Strategy Report to IC, ER & Employer DD102220 7 03-Apr-15 09-Apr-15 09-May-15 15-May-15 IC checks & certifies Detailed Design of Fire Safety Strategy Report ■ IC checks & certifies Detailed Design of Fire Safety Strategy Report DD102240 7 10-Apr-15 16-Apr-15 16-May-15 22-May-15 DD102260 Employer consents to Detailed Design of Fire Safety Strategy Report 30-Apr-15 Employer consents to Detailed Design of Fire Safety Strategy Report 13-Aug-15 Layout Drawings 19 23-Feb-15 19-Mar-15 05-Aug-15 31-Aug-15 19-Mar-15 05-Aug-15 DD120010 Prepare & submit Site Wide Layout Drawings for ArchSD Comment 11 05-Mar-15 19-Mar-15 17-Aug-15 31-Aug-15 Prepare & submit Site Wide Layout Drawings for ArchSD Comment DD120020 Prepare & submit Architectural Layout Drawings of Building #2 for ArchSD Comment 14 02-Mar-15 19-Mar-15 12-Aug-15 31-Aug-15 Prepare & submit Architectural Layout Drawings of Building #2 for ArchSD Comment Prepare & submit Architectural Layout Drawings of Building #1 for ArchSD Comment DD120030 Prepare & submit Architectural Layout Drawings of Building #1 for ArchSD Comment 19 23-Feb-15 19-Mar-15 05-Aug-15 31-Aug-15 DD120040 Prepare & submit Architectural Layout Drawings of Building #3 for ArchSD Comment 19 23-Feb-15 19-Mar-15 05-Aug-15 31-Aug-15 Prepare & submit Architectural Layout Drawings of Building #3 for ArchSD Comment Geotechnical Design including Natural Terrain Hazard Mitigation works 202 12-Jan-15 16-Sep-15 20-Jan-15 25-Nov-16 95 12-Jan-15 11-May-15 Geotechnical Design Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 7 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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Employer & ER DD101420 IC checks & certifies NTH Mitigation Design 14 20-Aug-15 02-Sep-15 29-Oct-16 11-Nov-16 IC checks & certifies NTH Mitigation Design DD101440 Employer consents to NTH Mitigation Design 16-Sep-15 25-Nov-16 ◆ Employer consents to NTH Mitigation Design 90 02-Jun-15 16-Sep-15 11-Aug-16 25-Nov-16 Prepare & submit Design of Manmade Slope to GEO DD101460 Prepare & submit Design of Manmade Slope to GEO 20 02-Jun-15 29-Jun-15 11-Aug-16 07-Sep-16 Prepare & submit Manmade Slope Method of Construction DD101470 Prepare & submit Manmade Slope Method of Construction 20 30-Jun-15 28-Jul-15 09-Sep-16 07-Oct-16 GEO - Approval of Mahmade Slope Design 28-Jul-15 DD101480 GEO - Approval of Manmade Slope Design 20 30-Jun-15 08-Sep-16 06-Oct-16 07-Oct-16 ◆ Submit Manmade Slope Design to IC, ER & Employer DD101500 Submit Manmade Slope Design to IC, ER & Employer 29-Jul-15 IC checks & comments on Manmade Slope Design DD101520 IC checks & comments on Manmade Slope Design 14 30-Jul-15 12-Aug-15 08-Oct-16 21-Oct-16 Revise & resubmit Manmade Slope Design to IC, Employer & ER Revise & resubmit Manmade Slope Design to IC. Employer & ER DD101540 7 13-Aug-15 19-Aug-15 22-Oct-16 28-Oct-16 IC checks & certifies Manmade Slope Design 14 20-Aug-15 02-Sep-15 IC checks & certifies Manmade Slope Design DD101560 29-Oct-16 11-Nov-16 DD101580 Employer consents to Manmade Slope Design ◆ Employer consents to Manmade Slope Design 16-Sep-15 25-Nov-16 Waste Receiving, Pre-treatment & Administration Building #1 181 21-Apr-15 23-Apr-15 Substructure Design 70 21-Apr-15 15-Jul-15 23-Apr-15 18-Aug-15 70 21-Apr-15 15-Jul-15 23-Apr-15 18-Aug-15 Prepare & submit Detailed Substructure Design of Bldg #1 to IC, ER & Employer Prepare & submit Detailed Substructure Design of Bldg #1 to IC, ER & Employer DD111000 03-Jun-15 23-Apr-15 05-Jun-15 30 21-Apr-15 Prepare & submit Method of Construction for Substructure of Bldg #1 30 21-Apr-15 03-Jun-15 26-May-15 Prepare & submit Method of Construction for Substructure of Bldg #1 DD111020 IC checks & comments on Detailed Substructure Design of Bldg #1 14 04-Jun-15 17-Jun-15 08-Jul-15 21-Jul-15 IC checks & comments on Detailed Substructure Design of Bldg #1 Revise & resubmit Detailed Substructure Design of Bldg #1 to IC, Employer & ER Revise & resubmit Detailed Substructure Design of Bldg #1 to IC, Employer & ER 7 18-Jun-15 24-Jun-15 22-Jul-15 28-Jul-15 DD111060 IC checks & certifies Detailed Substructure Design of Bldg #1 7 25-Jun-15 01-Jul-15 29-Jul-15 04-Aug-15 ☐ IC checks & certifies Detailed Substructure Design of Bldg #1 DD111080 Employer consents to Detailed Substructure Design of Bldg #1 15-Jul-15 18-Aug-15 ◆ Employer consents to Detailed Substructure Design of Bldg #1 74 04-Jun-15 31-Aug-15 11-Jun-15 04-Oct-15 Superstructure Design 74 04-Jun-15 31-Aug-15 11-Jun-15 Prepare & submit Detailed Superstructure Design of Bldg #1 to IC. ER & Employe DD111100 Prepare & submit Detailed Superstructure Design of Bldg #1 to IC, ER & Employe 32 04-Jun-15 20-Jul-15 11-Jun-15 27-Jul-15 DD111110 Prepare & submit Method of Construction for Superstructure of Bldg #1 32 04-Jun-15 20-Jul-15 09-Jul-15 21-Aug-15 Prepare & submit Method of Construction for Superstructure of Bldg #1 IC checks & comments on Detailed Superstructure Design of Bldg #1 DD111120 IC checks & comments on Detailed Superstructure Design of Bldg #1 14 21-Jul-15 03-Aug-15 24-Aug-15 06-Sep-15 Revise & resubmit Detailed Superstructure Design of Bldg #1 to IC, Employer & ER DD111140 Revise & resubmit Detailed Superstructure Design of Bldg #1 to IC. Employer & ER 7 04-Aug-15 10-Aug-15 07-Sep-15 13-Sep-15 DD111160 IC checks & certifies Detailed Superstructure Design of Bldg #1 7 11-Aug-15 17-Aug-15 14-Sep-15 20-Sep-15 ■ IC checks & certifies Detailed Superstructure Design of Bldg #1 Employer consents to Detailed Superstructure Design of Bldg #1 ◆ Employer consents to Detailed Superstructure Design of Bldg #1 DD111180 31-Aug-15 04-Oct-15 25-Nov-15 Steelwork Desig 107 21-Jul-15 22-Sep-15 09-Jun-16 Building #1 Roof Steel Structure 23-Oct-15 79 21-Jul-15 22-Sep-15 30-Dec-15 Prepare & submit Detailed Design of Bldg #1 Roof - Structural Steelwork to IC, ER & Employe 39 21-Jul-15 22-Sep-15 18-Nov-15 Prepare & submit Detailed Design of Bldg #1 Roof - Structural Steelwork to IC, ER & Employe 11-Sep-15 DD111210 Prepare & submit Method of Construction for Bldg #1 Roof - Structural Steelwork 25 10-Aug-15 11-Sep-15 14-Oct-15 18-Nov-15 Prepare & submit Method of Construction for Bldg #1 Roof - Structural Steelwork DD111220 IC checks & comments on Detailed Design of Bldg #1 Roof - Structural Steelwork IC checks & comments on Detailed Design of Bldg #1 Roof - Structural Steelwor 14 12-Sep-15 19-Nov-15 02-Dec-15 DD111240 Revise & resubmit Detailed Design of Bldg #1 Roof - Structural Steelwork to IC, Employer & ER 7 26-Sep-15 02-Oct-15 03-Dec-15 09-Dec-15 Revise & resubmit Detailed Design of Bldg #1 Roof - Structural Steelwork to IC, Employer & ER Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 8 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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Employer & ER 7 29-Oct-15 04-Nov-15 13-May-16 19-May-16 IC checks & certifies Detailed CAPC Stack - Steel Support Design ■ IC checks & certifies Detailed CAPC Stack - Steel Support Design DD311360 7 05-Nov-15 11-Nov-15 20-May-16 26-May-16 ♠: Employer consents to Detailed: CAPC Stack - Steel Support Design DD311380 Employer consents to Detailed CAPC Stack - Steel Support Design 25-Nov-15 09-.lun-16 sting & Maturation Building #2 189 12-Mar-15 30-Oct-15 12-Mar-15 06-Nov-57 12-Mar-15 22-May-15 12-Mar-15 22-May-15 Substructure Design 57 12-Mar-15 22-May-15 12-Mar-15 22-May-15 Prepare & submit Detailed Substructure Design of Bldg #2 to IC, ER & Employer Prepare & submit Detailed Substructure Design of Bldg #2 to IC, ER & Employer DD211000 19 12-Mar-15 10-Apr-15 12-Mar-15 10-Apr-15 Prepare & submit Method of Construction for Substructure of Bldg #2 19 12-Mar-15 10-Apr-15 12-Mar-15 10-Apr-15 Prepare & submit Method of Construction for Substructure of Bldg #2 DD211010 DD211020 IC checks & comments on Detailed Substructure Design of Bldg #2 14 11-Apr-15 24-Apr-15 11-Apr-15 24-Apr-15 IC checks & comments on Detailed Substructure Design of Bldg #2 DD211040 Revise & resubmit Detailed Substructure Design of Bldg #2 to IC, Employer & ER 7 25-Apr-15 01-May-15 25-Apr-15 01-May-15 Revise & resubmit Detailed Substructure Design of Bldg #2 to IC, Employer & ER ■ IC checks & certifies Detailed Substructure Design of Bldg #2 DD211060 IC checks & certifies Detailed Substructure Design of Bldg #2 7 02-May-15 08-May-15 02-May-15 08-May-15 Employer consents to Detailed Substructure Design of Bldg #2 ◆ Employer consents to Detailed Substructure Design of Bldg #2 DD211080 22-May-15 22-May-15 61 21-Jul-15 30-Sep-15 28-Jul-15 06-Nov-15 Superstructure Design 28-Jul-15 06-Nov-15 DD211100 Prepare & submit Detailed Superstructure Design of Bldg #2 to IC, ER & Employe 22 21-Jul-15 19-Aug-15 28-Jul-15 26-Aug-15 Prepare & submit Detailed Superstructure Design of Bldg #2 to IC, ER & Employe DD211110 Prepare & submit Method of Construction for Superstructure of Bldg #2 22 21-Jul-15 19-Aug-15 27-Aug-15 25-Sep-15 Prepare & submit Method of Construction for Superstructure of Bldg #2 DD211120 IC checks & comments on Detailed Superstructure Design of Bldg #2 14 20-Aug-15 02-Sep-15 26-Sep-15 09-Oct-15 IC checks & comments on Detailed Superstructure Design of Bldg #2 Revise & resubmit Detailed Superstructure Design of Bldg;#2 to IC, Employer & ER DD211140 Revise & resubmit Detailed Superstructure Design of Bldg #2 to IC, Employer & ER 7 03-Sep-15 09-Sep-15 10-Oct-15 16-Oct-15 DD211160 IC checks & certifies Detailed Superstructure Design of Bldg #2 7 10-Sep-15 16-Sep-15 17-Oct-15 23-Oct-15 ■ IC checks & certifies Detailed Superstructure Design of Bldg #2 DD211180 Employer consents to Detailed Superstructure Design of Bldg #2 30-Sep-15 ♦ Employer consents to Detailed Superstructure Design of Bldg #2 Steelwork Desig 59 20-Aug-15 30-Oct-15 27-Aug-15 06-Nov-15 Link Bridge Steelwork 59 20-Aug-15 30-Oct-15 27-Aug-15 06-Nov-15 Prepare & submit Detailed Link Bridge Steelwork Design of Bldg #2 to IC, ER & Employer Prepare & submit Detailed Link Bridge Steelwork Design of Bldg #2 to IC, ER & Employe 18-Sep-15 27-Aug-15 25-Sep-15 22 20-Aug-15 Prepare & submit Method of Construction for Bldg #2 Link Bridge Steelwork 22 20-Aug-15 18-Sep-15 27-Aug-15 25-Sep-15 Prepare & submit Method of Construction for Bldg #2 Link Bridge Steelwork DD211220 IC checks & comments on Detailed Link Bridge Steelwork Design of Bldg #2 14 19-Sep-15 02-Oct-15 26-Sep-15 09-Oct-15 IC checks & comments on Detailed Link Bridge Steelwork Design of Bldg #2 DD211240 Revise & resubmit Detailed Link Bridge Steelwork Design of Bldg #2 to IC, Employer & ER 7 03-Oct-15 10-Oct-15 16-Oct-15 Revise & resubmit Detailed Link Bridge Steelwork Design of Bldg #2 to IC, Employer & ER 09-Oct-15 DD211260 IC checks & certifies Detailed Link Bridge Steelwork Design of Bldg #2 7 10-Oct-15 16-Oct-15 17-Oct-15 23-Oct-15 ■ IC checks & certifies Detailed Link Bridge Steelwork Design of Bldg #2 DD211280 Employer consents to Detailed Link Bridge Steelwork Design of Bldg #2 30-Oct-15 Employer consents to Detailed Link Bridge Steelwork Design of Bldg #2 12-May-15 10-Feb-15 12-May-15 Piling Foundation and Pile Cap Design 71 10-Feb-15 DD311000 Prepare & submit Detailed Piling and Pile Cap Design of AD Tank to IC, ER & Employer 31-Mar-15 10-Feb-15 31-Mar-15 Prepare & submit Detailed Piling and Pile Cap Design of AD Tank to IC, ER & Employer 34 10-Feb-15 DD311005 34 10-Feb-15 31-Mar-15 10-Feb-15 31-Mar-15 Prepare & submit Detailed Piling and Pile Cap Design of CAPCS Stack to IC, ER & Employer Prepare & submit Detailed Piling and Pile Cap Design of CAPCS Stack to IC, ER & Employe DD311010 Prepare & submit Detailed Piling and Pile Cap Design of Ammonia Stripper to IC, ER & Employer 34 10-Feb-15 31-Mar-15 10-Feb-15 31-Mar-15 Prepare & submit Detailed Piling and Pile Cap Design of Ammonia Stripper to IC, ER & Employe 10-Feb-15 31-Mar-15 Prepare & submit Method of Construction for Piling and Pile Cap of Bldg #3 31-Mar-15 Prepare & submit Method of Construction for Piling and Pile Cap of Bldg #3 DD311015 34 10-Feb-15 DD311020 IC checks & comments on Detailed Piling and Pile Cap Design of Bldg & Facilities #3 14 01-Apr-15 14-Apr-15 01-Apr-15 14-Apr-15 IC checks & comments on Detailed Piling and Pile Cap Design of Bldg & Facilities #3 DD311040 Revise & resubmit Detailed Piling and Pile Cap Design of Bldg & Facilities #3 to IC, Employer & ER Revise & resubmit Detailed Piling and Pile Cap Design of Bldg & Facilities #3 to IC, Employer & ER 7 15-Apr-15 21-Apr-15 15-Apr-15 21-Apr-15 IC checks & certifies Detailed Piling and Pile Cap Design of Bldg & Facilities #3 DD311060 IC checks & certifies Detailed Piling and Pile Cap Design of Bldg & Facilities #3 7 22-Apr-15 28-Apr-15 22-Apr-15 28-Apr-15 Employer consents to Detailed Piling and Pile Cap Design of Bldg & Facilities #3 ♦ Employer consents to Detailed Piling and Pile Cap Design of Bldg & Facilities #3 DD311080 Substructure Desig 75 03-Jun-15 31-Aug-15 03-Jun-15 31-Aug-15 75 03-Jun-15 31-Aug-15 03-Jun-15 31-Aug-15 Prepare & submit Detailed Substructure Design of Energy Centre to IC, ER & Employe DD311100 Prepare & submit Detailed Substructure Design of Energy Centre to IC, ER & Employer 33 03-Jun-15 20-Jul-15 03-Jun-15 20-Jul-15 Prepare & submit Detailed Substructure Design of Biogas Cleaning & Storage Tank to IC, ER & Employer DD311105 Prepare & submit Detailed Substructure Design of Biogas Cleaning & Storage Tank to IC, ER & Employer 33 03-Jun-15 20-Jul-15 03-Jun-15 20-Jul-15 DD311110 Prepare & submit Detailed Substructure Design of Desulphorization/Biogas Plant Rm. to IC, ER & Employer 33 03-Jun-15 20-Jul-15 03-Jun-15 20-Jul-15 repare & submit Detailed Substructure Design of Desulphorization/Biogas Plant Rm. to IC, ER & Employer repare & submit Detailed Substructure Design of Desulphurization Tank to IC, ER & Employer DD311115 Prepare & submit Detailed Substructure Design of Desulphurization Tank to IC, ER & Employer 33 03-Jun-15 20-Jul-15 03-Jun-15 20-Jul-15 DD311118 33 03-Jun-15 20-Jul-15 Prepare & submit Detailed Substructure Design of Weighbridge to IC, ER & Employer Prepare & submit Detailed Substructure Design of Weighbridge to IC, ER & Employe 03-Jun-15 20-Jul-15 Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 9 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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Employer consents to Detailed Substructure Design of Bldg & Facilities #3 Employer consents to Detailed Substructure Design of Bldg & Facilities #3 30-Oct-15 08-Jan-16 58 20-Aug-15 29-Oct-15 58 20-Aug-15 29-Oct-15 30-Oct-15 08-Jan-16 Prepare & submit Detailed Supertructure Design of Energy Centre to IC, ER & Employer DD311200 Prepare & submit Detailed Supertructure Design of Energy Centre to IC, ER & Employer 21 20-Aug-15 17-Sep-15 30-Oct-15 27-Nov-15 DD311205 21 20-Aug-15 17-Sep-15 30-Oct-15 27-Nov-15 Prepare & submit Detailed Supertructure Design of Weighbridge to IC, ER & Employer Prepare & submit Detailed Supertructure Design of Weighbridge to IC, ER & Employer Prepare & submit Detailed Supertructure Design of Gate House to IC, ER & Employe Prepare & submit Detailed Supertructure Design of Gate House to IC, ER & Employer 21 20-Aug-15 17-Sep-15 30-Oct-15 27-Nov-15 DD311210 DD311215 Prepare & submit Detailed Supertructure Design of AD Tanks & Bund Wall to IC, ER & Employer 17-Sep-15 30-Oct-15 27-Nov-15 Prepare & submit Detailed Supertructure Design of AD Tanks & Bund Wall to IC, ER & Employer 21 20-Aug-15 DD311218 Prepare & submit Method of Construction for Superstructure of Bldg #3 21 20-Aug-15 17-Sep-15 30-Oct-15 27-Nov-15 Prepare & submit Method of Construction for Superstructure of Bldg #3 DD311220 IC checks & comments on Detailed Superstructure Design of Bldg & Facilities #3 14 18-Sep-15 01-Oct-15 IC checks & comments on Detailed Superstructure Design of Bldg & Facilities #3 28-Nov-15 11-Dec-15 Revise & resubmit Detailed Superstructure Design of Bldg & Facilities #3 to IC, Employer & ER Revise & resubmit Detailed Superstructure Design of Bldg & Facilities #3 to IC, Employer & ER DD311240 7 02-Oct-15 08-Oct-15 12-Dec-15 18-Dec-15 DD311260 IC checks & certifies Detailed Superstructure Design of Bldg & Facilities #3 7 09-Oct-15 15-Oct-15 ■ IC checks & certifies Detailed Superstructure Design of Bldg & Facilities #3 19-Dec-15 25-Dec-15 DD311280 Employer consents to Detailed Superstructure Design of Bldg & Facilities #3 29-Oct-15 08-Jan-16 ◆ Employer consents to Detailed Superstructure Design of Bldg & Facilities #3 196 30-Mar-15 External Civil Enginee Section 1- Sewerage System and Rising Main and Section 2- Storm Drain 104 30-Mar-15 06-Aug-15 24-Apr-15 05-Oct-15 104 30-Mar-15 06-Aug-15 24-Apr-15 05-Oct-15 Prepare & submit Detailed Civil Design of external works (Section 1 & 2) to EPD & DSD repare & submit Detailed Civil Design of external works (Section 1 & 2) to EPD & D\$D Prepare & submit Method of Construction for External Works (Section 1 & 2) Prepare & submit Method of Construction for External Works (Section 1 & 2) 25 21-May-15 25-Jun-15 02-Jul-15 05-Aug-15 DD411020 Submit Detailed Design of External Works (Section 1 & 2) to IC, Employer & ER ◆ Submit Detailed Design of External Works (Section 1 & 2) to IC, Employer & ER DD411040 IC checks & comments on Detailed Design of External Works (Section 1 & 2) 14 26-Jun-15 09-Jul-15 25-Aug-15 IC checks & comments on Detailed Design of External Works (Section 1 & 2) DD411060 Revise & resubmit Detailed Design of External Works (Section 1 & 2) to IC, Employer & ER 7 10-Jul-15 16-Jul-15 Revise & resubmit Detailed Design of External Works (Section 1 & 2) to IC, Employer & ER DD411080 IC checks & certifies Detailed Civil Design of External Works (Section 1 & 2) 7 17-Jul-15 23-Jul-15 15-Sep-15 21-Sep-15 ☐ IC checks & certifies Detailed Civil Design of External Works (Section 1 & 2) ◆ Employer consents to Detailed Civil Design of External Works (Section 1 & 2) Employer consents to Detailed Civil Design of External Works (Section 1 & 2) Section 3- Street Fire Hydrant and Section 4- Water Supply 83 16-Apr-15 26-Jul-15 11-May-15 05-Oct-15 DD411120 Prepare & submit Detailed Civil Design of external works (Section 3 & 4) to WSD 21 16-Apr-15 15-May-15 11-May-15 09-Jun-15 Prepare & submit Detailed Civil Design of external works (Section 3 & 4) to WSD: DD411130 21 14-May-15 12-Jun-15 27-Jul-15 24-Aug-15 Prepare & submit Method of Construction for External Works (Section 3 & 4) Prepare & submit Method of Construction for External Works (Section 3 & 4) DD411140 Submit Detailed Design of External Works (Section 3 & 4) to IC, Employer & ER 15-Jun-15 24-Aug-15 ◆ Submit Detailed Design of External Works (Section 3 & 4) to IC, Employer & ER IC checks & comments on Detailed Design of External Works (Section 3 & 4) DD411160 IC checks & comments on Detailed Design of External Works (Section 3 & 4) 14 15-Jun-15 25-Aug-15 07-Sep-15 28-Jun-15 DD411180 Revise & resubmit Detailed Design of External Works (Section 3 & 4) to IC. Employer & ER 7 29-Jun-15 05-Jul-15 08-Sep-15 14-Sep-15 Revise & resubmit Detailed Design of External Works (Section 3 & 4) to IC. Employer & ER DD411200 IC checks & certifies Detailed Civil Design of External Works (Section 3 & 4) 7 06-Jul-15 ☐ IC checks & certifies Detailed Civil Design of External Works (Section 3 & 4) 12-Jul-15 15-Sep-15 21-Sep-15 DD411220 Employer consents to Detailed Civil Design of External Works (Section 3 & 4) 26-Jul-15 05-Oct-15 ◆ Employer consents to Detailed Civil Design of External Works (Section 3 & 4) Section 5- Road, Paying, Road Marking, Section 6- Ext, Lighting, Section 7 Fencing, Gate, Perm, Signboard 110 17-Jul-15 10-Aug-15 21-Dec-15 25-Nov-15 25-Nov-15 10-Aug-15 21-Dec-15 Prepare & submit Detailed Civil Design of external works (Section 5 ,6, 7) to Hyd & TD Prepare & submit Detailed Civil Design of external works (Section 5 ,6, 7) to Hyd & TD DD411240 43 17-Jul-15 DD411250 Prepare & submit Method of Construction for External Works (Section 5 ,6, 7) 14-Oct-15 05-Oct-15 09-Nov-15 Prepare & submit Method of Construction for External Works (Section 5 6, 7) 25 08-Sep-15 DD411260 Submit Detailed Design of External Works (Section 5,6,7) to IC, Employer & ER 14-Oct-15 09-Nov-15 ◆ Submit Detailed Design of External Works (Section 5 ,6, 7) to IC, Employer & ER IC checks & comments on Detailed Design of External Works (Section 5 ,6, 7) 14 15-Oct-15 28-Oct-15 10-Nov-15 23-Nov-15 IC checks & comments on Detailed Design of External Works (Section 5 ,6, 7) DD411280 DD411300 Revise & resubmit Detailed Design of External Works (Section 5 ,6, 7) to IC, Employer & ER 7 29-Oct-15 04-Nov-15 24-Nov-15 30-Nov-15 Revise & resubmit Detailed Design of External Works (Section 5 ,6, 7) to IC, Employer & ER 01-Dec-15 07-Dec-15 DD411320 IC checks & certifies Detailed Civil Design of External Works (Section 5 ,6, 7) ☐ IC checks & certifies Detailed Civil Design of External Works (Section 5 ,6, 7) 7 05-Nov-15 11-Nov-15 DD411340 Employer consents to Detailed Civil Design of External Works (Section 5 ,6, 7) 25-Nov-15 ◆ Employer consents to Detailed Civil Design of External Works (Section 5 ,6, 7) 21-Dec-15 27-Oct-15 04-Feb-16 86 03-Aug-15 86 03-Aug-15 13-Nov-15 27-Oct-15 04-Feb-16 Prepare & submit Detailed Civil Design of external works (Sub & Superstructure - Boundary Wall) to IC, Employer & ER Prepare & submit Detailed Civil Design of external works (Sub & Superstructure - Boundary,Wall) to IC, Employer & ER DD411360 43 03-Aug-15 02-Oct-15 27-Oct-15 24-Dec-15 DD411370 20-Nov-15 24-Dec-15 Prepare & submit Method of Construction for External Works (Sub & Superstructure - Boundary Wall) Prepare & submit Method of Construction for External Works (Sub & Superstructure - Boundary Wall) 25 27-Aug-15 02-Oct-15 IC checks & comments on Detailed Design of External Works (Sub & Superstructure - Boundary Wall) IC checks & comments on Detailed Design of External Works (Sub & Superstructure - Boundary Wall) DD411380 14 03-Oct-15 25-Dec-15 07-Jan-16 16-Oct-15 DD411400 Revise & resubmit Detailed Design of External Works (Sub & Superstructure - Boundary Wall) to IC, Employer & ER 7 17-Oct-15 23-Oct-15 Revise & resubmit Detailed Design of External Works (Sub & Superstructure - Boundary Wall) to IC, Employer & ER 08-Jan-16 14-Jan-16 IC checks & certifies Detailed Civil Design of External Works (Sub & Superstructure; - Boundary Wall) DD411420 IC checks & certifies Detailed Civil Design of External Works (Sub & Superstructure - Boundary Wall) 7 24-Oct-15 30-Oct-15 15-Jan-16 21-Jan-16 Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 10 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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Building) 15-Sep-15 10-Dec-15 28-Mar-16 87 04-Jun-15 DD120100 Prepare & submit Detailed Design of Bldg.#1 ABWF to IC, ER & Employer 43 04-Jun-15 04-Aug-15 10-Dec-15 15-Feb-16 Prepare & submit Detailed Design of Bldg.#1 ABWF to IC, ER & Employer Prepare & submit Method of Construction for Bldg.#1 ABWE DD120110 Prepare & submit Method of Construction for Bldg.#1 ABW F 25 30-Jun-15 04-Aug-15 07-Jan-16 15-Feb-16 DD120120 IC checks & comments on Detailed Design of Bldg.#1 ABWF 14 05-Aug-15 18-Aug-15 16-Feb-16 29-Feb-16 IC checks & comments on Detailed Design of Bldg.#1 ABWF DD120140 Revise & resubmit Detailed Design of Bldg.#1 ABWF to IC, Employer & ER 7 19-Aug-15 25-Aug-15 01-Mar-16 07-Mar-16 Revise & resubmit Detailed Design of Bldg.#1 ABWF to IC, Employer & ER ■ IC checks & certifies Detailed Design of Bldg.#1 ABWF DD120160 IC checks & certifies Detailed Design of Bldg.#1 ABWF 7 26-Aug-15 01-Sep-15 08-Mar-16 14-Mar-16 DD120180 Employer consents to Detailed Design of Bldg.#1 ABWF 15-Sep-15 28-Mar-16 ◆ Employer consents to Detailed Design of Bldg.#1\ABWF 86 17-Apr-15 30-Jul-15 Building #2 (Composting & Maturation Building) 29-Sep-15 11-Jan-16 86 17-Apr-15 30-Jul-15 29-Sep-15 11-Jan-16 repare & submit Detailed Design of Bldg.#2 ABWF to IC, ER & Employer Prepare & submit Detailed Design of Bldg.#2 ABWF to IC, ER & Employer 43 17-Apr-15 18-Jun-15 29-Sep-15 Prepare & submit Method of Construction for Bldg.#2 ABWF Prepare & submit Method of Construction for Bldg.#2 ABWF 25 14-May-15 18-Jun-15 27-Oct-15 30-Nov-15 DD121120 IC checks & comments on Detailed Design of Bldg.#2 ABWF 01-Dec-15 14-Dec-15 IC checks & comments on Detailed Design of Bldg.#2 ABWF DD121140 Revise & resubmit Detailed Design of Bldg.#2 ABWF to IC, Employer & ER 7 03-Jul-15 15-Dec-15 21-Dec-15 Revise & resubmit Detailed Design of Bldg.#2 ABWF to IC, Employer & ER IC checks & certifies Detailed Design of Bldg.#2 ABWF ■ IC checks & certifies Detailed Design of Bldg.#2 ABWF DD121160 16-Jul-15 Employer consents to Detailed Design of Bldg.#2 ABWF ♦ Employer consents to Detailed Design of Bldg.#2 ABWF DD121180 30-Jul-15 84 14-Jul-15 02-Nov-15 14-Feb-16 Building #3 (Auxillary Buildings & Facilities) 22-Oct-15 84 14-Jul-15 22-Oct-15 02-Nov-15 14-Feb-16 Prepare & submit Detailed Design of Bldg.#3 ABWF to IC, ER & Employe Prepare & submit Detailed Design of Bldg.#3 ABWF to IC, ER & Employer DD122100 43 14-Jul-15 10-Sep-15 02-Nov-15 31-Dec-15 DD122110 25 07-Aug-15 10-Sep-15 26-Nov-15 31-Dec-15 Prepare & submit Method of Construction for Bldg.#3 ABWF Prepare & submit Method of Construction for Bldg.#3 ABWF IC checks & comments on Detailed Design of Bldg.#3/ABWF DD122120 IC checks & comments on Detailed Design of Bldg.#3 ABWF 14 11-Sep-15 24-Sep-15 04-Jan-16 17-Jan-16 Revise & resubmit Detailed Design of Bldg.#3 ABWF to IC, Employer & ER Revise & resubmit Detailed Design of Bldg.#3 ABWF to IC, Employer & ER DD122140 7 25-Sep-15 01-Oct-15 18-Jan-16 24-Jan-16 ■ IC checks & certifies Detailed Design of Bldg.#3 ABWF IC checks & certifies Detailed Design of Bldg.#3 ABWF 7 02-Oct-15 DD122160 08-Oct-15 25-Jan-16 31-Jan-16 Employer consents to Detailed Design of Bldg.#3 ABWF ◆ Employer consents to Detailed Design of Bldg.#3 ABWF DD122180 22-Oct-15 14-Feb-16 Interior Fitting-out Works 75 04-Sep-15 15-Sep-16 13-Dec-1 75 04-Sep-15 03-Dec-15 15-Sep-16 13-Dec-16 75 04-Sep-15 03-Dec-15 15-Sep-16 13-Dec-16 Prepare & submit Detailed Interior Fitting-out Design to IC, ER & Employer Prepare & submit Detailed Interior Fitting-out Design to IC, ER & Employer DD120200 32 04-Sep-15 22-Oct-15 15-Sep-16 01-Nov-16 Prepare & submit Method of Construction for Interior Fitting-out 25 15-Sep-15 Prepare & submit Method of Construction for Interior Fitting-ou DD120220 IC checks & comments on Detailed Interior Fitting-out Design 14 23-Oct-15 02-Nov-16 15-Nov-16 IC checks & comments on Detailed Interior Fitting-out Design Revise & resubmit Detailed Fitting-out Design to IC, Employer & ER Revise & resubmit Detailed Fitting out Design to IC, Employer & ER DD120260 IC checks & certifies Detailed Interior Fitting-out Design 7 13-Nov-15 23-Nov-16 29-Nov-16 ■ IC checks & certifies Detailed Interior Fitting-out Design DD120280 Employer consents to Detailed Interior Fitting-out Design Employer consents to Detailed Interior Fitting-out Design External Landscape Works and Building #2 Green Roof 16-Jun-16 10-Oct-16 98 28-May-15 21-Sep-15 98 28-May-15 21-Sep-15 16-Jun-16 10-Oct-16 DD410200 are & submit Detailed Design of Landscape and Building #2 Green Roof to EPD, LandsD, PlanD, ArchSD Prepare & submit Detailed Design of Landscape and Building #2 Green Roof to EPD, LandsD, PlanD, ArchSD DD410210 Prepare & submit Method of Construction for Landscape and Building #2 Green Roof 20 14-Jul-15 10-Aug-15 02-Aug-16 29-Aug-16 Prepare & submit Method of Construction for Landscape and Building #2 Green Roof DD410220 Submit Detailed Design of Landscape and Building #2 Green Roof to IC, Employer & ER ◆ Submit Detailed Design of Landscape and Building #2 Green Roof to IC, Employer & ER DD410240 IC checks & comments on Detailed Design of Landscape and Building #2 Green Roof 14 11-Aug-15 24-Aug-15 30-Aug-16 12-Sep-16 IC checks & comments on Detailed Design of Landscape and Building #2 Green Roof 7 25-Aug-15 31-Aug-15 DD410260 Revise & resubmit Detailed Design of Landscape and Building #2 Green Roof to IC, Employer & ER 13-Sep-16 19-Sep-16 Revise & resubmit Detailed Design of Landscape and Building #2 Green Roof to IC, Employer & ER DD410280 IC checks & certifies Detailed Design of Landscape and Building #2 Green Roof 7 01-Sep-15 07-Sep-15 20-Sep-16 26-Sep-16 ☐ IC checks & certifies Detailed Design of Landscape and Building #2 Green Roof Employer consents to Detailed Design of Landscape and Building #2 Green Roof 10-Oct-16 ◆ Employer consents to Detailed Design of Landscape and Building #2 Green Roo DETAILED DESIGN SUBMISSION (DDS) - ELECTRICAL AND MECHANICAL 10 23-Mar-15 08-Apr-15 20-Jul-15 HAZOP 10 23-Mar-15 08-Apr-15 20-Jul-15 31-Jul-15 DE010050 HAZOP Analysis 10 23-Mar-15 08-Apr-15 20-Jul-15 31-Jul-15 HAZOP Analysis Detailed Process Documentation Submission 53 09-Apr-15 03-Aug-15 03-Nov-15 53 09-Apr-15 11-Jun-15 03-Aug-15 03-Nov-15 53 09-Apr-15 11-Jun-15 03-Aug-15 03-Nov-15 Prepare & submit Detailed Process Documentation Submission to IC, ER & Employe Prepare & submit Detailed Process Documentation Submission to IC, ER & Employe DE010100 16 09-Apr-15 30-Apr-15 03-Aug-15 24-Aug-15 Project:OWTF1\_v1.2Final Activity Critical Page 11 of 27 print: 27-Mar-15 18:32 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

**Environmental Protection Department** Contract No. EP/SP/61/10 **Contract Programme v1.2** of the HKSAR OSCAR BIOENERGY JV Organic Waste Treatment Facilities, Phase 1 | Total | 2015 | 2016 | Total | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | 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| Apr | May | Aug | Apr DE010120 IC checks & comments on Detailed Process Documentation Submission Revise & resubmit Detailed Process Documentation Submission to IC, Employer & ER Revise & resubmit Detailed Process Documentation Submission to IC, Employer & ER 7 15-May-15 07-Oct-15 13-Oct-15 DE010140 21-May-15 DE010160 IC checks & certifies Detailed Process Documentation Submission 7 22-May-15 28-May-15 14-Oct-15 20-Oct-15 ■ IC checks & certifies Detailed Process Documentation Submission DE010180 Employer consents to Detailed Process Documentation Submission ◆ Employer consents to Detailed Process Documentation Submission Waste Receiving, Storage and Feeding System 153 29-Dec-14 08-Jul-15 13-Jan-15 17-Oct-15 13-Jan-15 17-Oct-15 DE110200 Prepare & make Waste Receiving Equipment & Performance Submission to IC, ER & Employe 19 29-Dec-14 23-Jan-15 13-Jan-15 06-Feb-15 Prepare & make Waste Receiving Equipment & Performance Submission to IC, ER & Employe IC checks & comments on Waste Receiving, Storage & Feeding Equipment DF110250 IC checks & comments on Waste Receiving, Storage & Feeding Equipment 14 24-Jan-15 06-Feb-15 09-Feb-15 22-Feb-15 7 07-Feb-15 13-Feb-15 DE110300 Revise & resubmit Waste Receiving, Storage & Feeding Equipment to IC, Employer & ER 23-Feb-15 01-Mar-15 Revise & resubmit Waste Receiving, Storage & Feeding Equipment to IC, Employer & EF DE110350 IC checks & certifies Waste Receiving, Storage and Feeding Equipment 7 14-Feb-15 20-Feb-15 02-Mar-15 08-Mar-15 □ IC checks & certifies Waste Receiving, Storage and Feeding Equipmen DE110400 Employer consents to Waste Receiving, Storage and Feeding Equipment 06-Mar-15 22-Mar-15 ◆ Employer consents to Waste Receiving, Storage and Feeding Equipment DF110450 Prepare & submit Detailed Design of Waste Receiving, Storage & Feeding System to IC, ER & Employer 33 09-Apr-15 27-May-15 22-Jul-15 04-Sep-15 Prepare & submit Detailed Design of Waste Receiving, Storage & Feeding System to IC, ER & Employer DE110460 Prepare & submit Method of Construction for Waste Receiving, Storage and Feeding System 25 21-Apr-15 27-May-15 03-Aug-15 04-Sep-15 Prepare & submit Method of Construction for Waste Receiving, Storage and Feeding System DE110500 IC checks & comments on Detailed Design of Waste Receiving, Storage & Feeding System 14 28-May-15 10-Jun-15 06-Sep-15 19-Sep-15 IC checks & comments on Detailed Design of Waste Receiving, Storage & Feeding System DE110550 Revise & resubmit Detailed Design of Waste Receiving, Storage & Feeding System to IC, Employer & ER 7 11-Jun-15 17-Jun-15 20-Sep-15 26-Sep-15 Revise & resubmit Detailed Design of Waste Receiving, Storage & Feeding System to IC, Employer & ER DF110600 IC checks & certifies Waste Receiving, Storage and Feeding System 7 18-Jun-15 24-Jun-15 27-Sep-15 03-Oct-15 □ IC checks & certifies Waste Receiving, Storage and Feeding \$ystem DE110650 Employer consents to Waste Receiving, Storage and Feeding System 08-Jul-15 17-Oct-15 ◆ Employer consents to Waste Receiving, Storage and Feeding System 12-Jan-15 17-Oct-15 155 08-Jan-15 20-Jul-15 155 08-Jan-15 20-Jul-15 12-Jan-15 17-Oct-15 Prepare & make Pre-treatment Equipment & Performance Submission to IC, ER & Employe DE120200 Prepare & make Pre-treatment Equipment & Performance Submission to IC, ER & Employe 20 08-Jan-15 04-Feb-15 12-Jan-15 06-Feb-15 DE120250 14 05-Feb-15 18-Feb-15 09-Feb-15 22-Feb-15 IC checks & comments on Pre-Treatment Equipment IC checks & comments on Pre-Treatment Equipment Revise & resubmit Pre-Treatment Equipment (C, Employer & ER DE120300 Revise & resubmit Pre-Treatment Equipment IC, Employer & ER 7 19-Feb-15 25-Feb-15 23-Feb-15 01-Mar-15 IC checks & certifies Pre-treatment Equipment 7 26-Feb-15 04-Mar-15 IC checks & certifies Pre-treatment Equipment DE120350 02-Mar-15 08-Mar-15 Employer consents to Pre-treatment Equipment DE120400 Employer consents to Pre-treatment Equipment 18-Mar-15 22-Mar-15 DE120450 Prepare & submit Detailed Design of Pre-treatment System to IC, ER & Employer 33 21-Apr-15 08-Jun-15 22-Jul-15 04-Sep-15 Prepare & submit Detailed Design of Pre-treatment System to IC, ER & Employer DE120460 Prepare & submit Method of Construction for Pre-treatment System 25 04-May-15 08-Jun-15 03-Aug-15 04-Sep-15 Prepare & submit Method of Construction for Pre-treatment System C checks & comments on Detailed Design of Pre-Treatment System DE120500 IC checks & comments on Detailed Design of Pre-Treatment System 14 09-Jun-15 22-Jun-15 06-Sep-15 19-Sep-15 Revise & resubmit Detailed Design of Pre-Treatment System to IC, Employer & ER Revise & resubmit Detailed Design of Pre-Treatment System to IC. Employer & ER DE120550 7 23-Jun-15 29-Jun-15 20-Sep-15 26-Sep-15 DE120600 IC checks & certifies Detailed Design of Pre-treatment System 7 30-Jun-15 ☐ IC checks & certifies Detailed Design of Pre-treatment System 06-Jul-15 27-Sep-15 03-Oct-15 ◆ Employer consents to Detailed Design of Pre-treatment Sys DE120650 Employer consents to Detailed Design of Pre-treatment System 20-Jul-15 17-Oct-15 159 09-Feb-15 07-May-15 18-Nov-1 estion (AD) Treatment System 159 09-Feb-15 25-Aug-15 07-May-15 18-Noy-15 159 09-Feb-15 25-Aug-15 07-May-15 18-Nov-15 Prepare & make AD Equipment & Performance Submission to IC, ER & Employer Prepare & make AD Equipment & Performance Submission to IC, ER & Employer DE130200 18 09-Feb-15 07-May-15 02-Jun-15 DE130250 14 07-Mar-15 03-Jun-15 IC checks & comments on AD Equipment IC checks & comments on AD Equipment 20-Mar-15 16-Jun-15 DE130300 Revise & resubmit AD Equipment to IC, Employer & ER 7 21-Mar-15 17-Jun-15 23-Jun-15 Revise & resubmit AD Equipment to IC, Employer & ER DE130350 IC checks & certifies AD Equipment 7 28-Mar-15 IC checks & certifies AD Equipment 03-Apr-15 24-Jun-15 30-Jun-15 DE130400 Employer consents to AD Equipment 17-Apr-15 14-Jul-15 ◆ Employer consents to AD Equipmen Prepare & submit Detailed Design of AD Treatment System to IC, ER & Employer 14-Jul-15 Prepare & submit Detailed Design of AD Treatment System to IC, ER & Employer DE130450 39 19-May-15 12-Aug-15 07-Oct-15 Prepare & submit Method of Construction for AD Treatment System DE130460 Prepare & submit Method of Construction for AD Treatment System 25 09-Jun-15 14-Jul-15 01-Sep-15 07-Oct-15 28-Jul-15 IC checks & comments on Detailed Design of AD treatment System IC checks & comments on Detailed Design of AD treatment System DE130500 14 15-Jul-15 08-Oct-15 21-Oct-15 DE130550 Revise & resubmit Detailed Design of AD Treatment System to IC, Employer & ER 7 29-Jul-15 04-Aug-15 22-Oct-15 28-Oct-15 Revise & resubmit Detailed Design of AD Treatment System to IC, Employet & ER ■ IC checks & certifies AD Treatment System DE130600 IC checks & certifies AD Treatment System 7 05-Aug-15 11-Aug-15 29-Oct-15 04-Nov-15 DE130650 ◆ Employer consents to Detailed Design of AD Treatment System Employer consents to Detailed Design of AD Treatment System 25-Aug-15 18-Nov-15 152 28-Jan-15 Biogas Cleaning, Storage and Distribution System 17-Feb-15 26-Aug-1 152 28-Jan-15 05-Aug-15 17-Feb-15 26-Aug-15 17-Feb-15 26-Aug-15 152 28-Jan-15 05-Aug-15 Prepare & make Biogas Equipment & Performance Submission to IC, ER & Employe 18 28-Jan-15 Prepare & make Biogas Equipment & Performance Submission to IC, ER & Employe DE140250 IC checks & comments on Biogas Cleaning & Storage Equipment 14 25-Feb-15 10-Mar-15 17-Mar-15 30-Mar-15 IC checks & comments on Biogas Cleaning & Storage Equipment Project:OWTF1\_v1.2Final Activity Critical Page 12 of 27 print: 27-Mar-15 18:32 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

**Environmental Protection Department** Contract No. EP/SP/61/10 **Contract Programme v1.2** of the HKSAR OSCAR BIOENERGY JV Organic Waste Treatment Facilities, Phase 1 Total Storm Float Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr DE140300 Revise & resubmit Biogas Cleaning & Storage Equipment to IC, Employer & ER DE140350 7 18-Mar-15 24-Mar-15 ■ IC checks & certifies Biogas Cleaning & Storage Equipment IC checks & certifies Biogas Cleaning & Storage Equipment 07-Apr-15 13-Apr-15 DE140400 Employer consents to Biogas Cleaning & Storage Equipment 07-Apr-15 27-Apr-15 ◆ Employer consents to Biogas Cleaning & Storage Equipme DE140450 Prepare & submit Detailed Design of Biogas System to IC, ER & Employer 22-May-15 15-Jul-15 Prepare & submit Detailed Design of Biogas System to IC, ER & Employe 37 04-May-15 24-Jun-15 DE140460 Prepare & submit Method of Construction for Biogas Cleaning & Storage System Prepare & submit Method of Construction for Biogas Cleaning & Storage System IC checks & comments on Detailed Design of Biogas System DE140500 IC checks & comments on Detailed Design of Biogas System 08-Jul-15 16-Jul-15 DE140550 Revise & resubmit Detailed Design of Biogas System to IC, Employer & ER 7 09-Jul-15 15-Jul-15 30-Jul-15 05-Aug-15 Revise & resubmit Detailed Design of Biogas System to IC, Employer & ER DE140600 IC checks & certifies Biogas Cleaning & Storage System 7 16-Jul-15 22-Jul-15 ■ IC checks & certifies Biogas Cleaning & Storage System Employer consents to Biogas Cleaning & Storage System 05-Aug-15 ◆ Employer consents to Biogas Cleaning & Storage System 26-Aug-15 03-Jul-15 Combined Heat Recovery and Power (CHP) Generation System 03-Jul-15 15-Jan-15 03-Jul-15 135 15-Jan-15 03-Jul-15 DE150200 Prepare & make CHP Equipment & Performance Submission to IC, ER & Employer 12 15-Jan-15 30-Jan-15 15-Jan-15 30-Jan-15 Prepare & make CHP Equipment & Performance Submission to IC, ER & Employer DE150250 IC checks & comments on CHP Equipment 14 31-Jan-15 13-Feb-15 31-Jan-15 13-Feb-15 IC checks & comments on CHP Equipment Revise & resubmit CHR Equipment to IC, Employer & ER DE150300 Revise & resubmit CHP Equipment to IC, Employer & ER 7 14-Feb-15 20-Feb-15 14-Feb-15 20-Feb-15 IC checks & certifies CHP Equipment DE150350 IC checks & certifies CHP Equipment 7 21-Feb-15 27-Feb-15 21-Feb-15 27-Feb-15 DF150400 Employer consents to CHP Equipment 13-Mar-15 13-Mar-15 Employer consents to CHP Equipment DE150450 Prepare & submit Detailed Design of CHP Generation System to IC, ER & Employer 35 31-Mar-15 22-May-15 31-Mar-15 22-May-15 Prepare & submit Detailed Design of CHP Generation System to IC, ER & Employe DE150460 Prepare & submit Method of Construction for CHP Generation System 25 17-Apr-15 22-May-15 17-Apr-15 22-May-15 Prepare & submit Method of Construction for CHP Generation System DE150500 IC checks & comments on Detailed Design of CHP Generation System 14 23-May-15 05-Jun-15 23-May-15 05-Jun-15 IC checks & comments on Detailed Design of CHP Generation System DE150550 Revise & resubmit Detailed Design of CHP Generation System to IC, Employer & ER 7 06-Jun-15 12-Jun-15 06-Jun-15 12-Jun-15 Revise & resubmit Detailed Design of CHP Generation System to IC, Employer & ER DE150600 IC checks & certifies CHP Generation System 7 13-Jun-15 19-Jun-15 13-Jun-15 19-Jun-15 ■ IC checks & certifies CHP Generation System DE150650 Employer consents to CHP Generation System 03-Jul-15 Employer consents to CHP Generation Syste ission Monitoring System (CEMS) 157 27-Feb-15 07-Sep-15 09-Mar-15 09-Dec-1 157 27-Feb-15 07-Sep-15 09-Mar-15 09-Dec-15 Prepare & make CEMS Equipment & Performance Submission to IC, ER & Employer Prepare & make CEM\$ Equipment & Performance Submission to IC, ER & Employer DE180200 20 27-Feb-15 26-Mar-15 09-Mar-15 08-Apr-15 IC checks & comments on CEMS Equipment DE180250 IC checks & comments on CEMS Equipment 14 27-Mar-15 09-Apr-15 09-Apr-15 22-Apr-15 Revise & resubmit CEMS Equipment to IC, Employer & ER Revise & resubmit CEMS Equipment to IC. Employer & ER DE180300 7 10-Apr-15 16-Apr-15 23-Apr-15 29-Apr-15 IC checks & certifies CEMS Equipme IC checks & certifies CEMS Equipment 7 17-Apr-15 DE180350 23-Apr-15 30-Apr-15 06-May-15 ◆ Employer consents to CEMS Equipment DE180400 Employer consents to CEMS Equipment 07-May-15 20-May-15 DE180450 Prepare & submit Detailed Design of CEMS to IC, ER & Employer 36 05-Jun-15 27-Jul-15 18-Jun-15 07-Aug-15 Prepare & submit Detailed Design of CEMS to IC, ER & Employe Prepare & submit Method of Construction for CAPC System Prepare & submit Method of Construction for CAPC System DE180460 25 22-Jun-15 27-Jul-15 21-Sep-15 28-Oct-15 IC Checks & comments on Detailed Design of CEMS DE180500 IC Checks & comments on Detailed Design of CEMS 14 28-Jul-15 10-Aug-15 29-Oct-15 11-Nov-15 DE180550 Revise & resubmit Detailed Design of CEMS to IC, Employer & ER 7 11-Aug-15 Revise & resubmit Detailed Design of CEMS to IC, Employer & ER 17-Aug-15 12-Nov-15 18-Nov-15 DE180600 IC checks & certifies CEMS 7 18-Aug-15 24-Aug-15 19-Nov-15 25-Nov-15 IC checks & certifies CEMS DE180650 Employer consents to CEMS Employer consents to CEMS 07-Sep-15 09-Dec-15 Digestate Dewatering System 19-Dec-14 11-Feb-16 141 19-Dec-14 15-Jun-15 19-Dec-14 11-Feb-16 Prepare & make Digestate Dewatering Equipment & Performance Submission to IC, ER & Employer DE163200 Prepare & make Digestate Dewatering Equipment & Performance Submission to IC, ER & Employe 16 19-Dec-14 14-Jan-15 19-Dec-14 14-Jan-15 DE163250 14 15-Jan-15 15-Jan-15 28-Jan-15 IC checks & comments on Digestate Dewatering Equipmen IC checks & comments on Digestate Dewatering Equipment 29-Jan-15 04-Feb-15 Revise & resubmit Digestate Dewatering Equipment to IC, Employer & ER DE163300 Revise & resubmit Digestate Dewatering Equipment to IC, Employer & ER 7 29-Jan-15 04-Feb-15 DE163350 IC checks & certifies Digestate Dewatering Equipment 7 05-Feb-15 11-Feb-15 05-Feb-15 11-Feb-15 ■ IC checks & certifies Digestate Dewatering Equipment DE163400 Employer consents to Digestate Dewatering Equipment 25-Feb-15 25-Feb-15 ◆ Employer consents to Digestate Dewatering Equipmen DE163450 34 12-Mar-15 04-May-15 13-Nov-15 31-Dec-15 Prepare & submit Detailed Design of Digestate Dewatering System to IC, ER & Employer Prepare & submit Detailed Design of Digestate Dewatering System to IC, ER & Employer Prepare & submit Method of Construction for Digestate Dewatering System DE163500 Prepare & submit Method of Construction for Digestate Dewatering System 25 25-Mar-15 04-May-15 26-Nov-15 31-Dec-15 DE163550 IC checks & comments on Detailed Design of Digestate Dewatering System 14 05-May-15 18-May-15 01-Jan-16 IC checks & comments on Detailed Design of Digestate Dewatering System 14-Jan-16 Revise & resultmit Detailed Design of Digestate Dewatering System to IC, Employer & ER DE163600 Revise & resubmit Detailed Design of Digestate Dewatering System to IC, Employer & ER 7 19-May-15 25-May-15 15-Jan-16 21-Jan-16 7 26-May-15 01-Jun-15 22-Jan-16 28-Jan-16 ■ IC checks & certifies Digestate Dewatering System DE163650 IC checks & certifies Digestate Dewatering System Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 13 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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11-Feb-15 05-Feb-15 11-Feb-15 ■ IC checks & certifies Composting & Maturation Equipme DF160400 Employer consents to Composting & Maturation Equipment 25-Feb-15 25-Feb-15 ◆ Employer consents to Composting & Maturation Equipment DE160450 Prepare & submit Detailed Design of Composting System to IC, ER & Employer 34 12-Mar-15 04-May-15 24-Sep-15 13-Nov-15 Prepare & submit Detailed Design of Composting System to IC, ER & Employe Prepare & submit Method of Construction for Composting System DE160460 Prepare & submit Method of Construction for Composting System 25 25-Mar-15 04-May-15 09-Oct-15 13-Nov-15 DE160500 IC checks & comments on Detailed Design of Composting System 14 05-May-15 18-May-15 16-Nov-15 29-Nov-15 IC checks & comments on Detailed Design of Composting System DE160550 Revise & resubmit Detailed Design of Composting System to IC, Employer & ER 7 19-May-15 25-May-15 30-Nov-15 06-Dec-15 Revise'& resubmit Detailed Design of Composting System to IC, Employer & ER DE160600 IC checks & certifies Composting System 7 26-May-15 01-Jun-15 07-Dec-15 13-Dec-15 ■ IC checks & certifies Composting System DE160650 Employer consents to Composting System 15-Jun-15 27-Dec-15 Employer consents to Composting System ment System (WWTS) 21-Sep-15 200 19-Jan-15 21-Sep-15 26-Jan-15 22-Nov-15 Prepare & make WWTS Equipment & Performance Submission to IC, ER & Employer Prepare & make WWTS Equipment & Performance Submission to IC, ER & Employer DE190200 20 19-Jan-15 13-Feb-15 26-Jan-15 24-Feb-15 IC checks & comments on WWTS Equipmer DE190250 IC checks & comments on WWTS Equipment 14 14-Feb-15 27-Feb-15 25-Feb-15 10-Mar-15 Revise & resubmit WWTS Equipment to IC, Employer & ER Revise & resubmit WWTS Equipment to IC, Employer & ER 7 28-Feb-15 11-Mar-15 17-Mar-15 DE190300 06-Mar-15 IC checks & certifies WWTS Equipment ■ IC checks & certifies WWTS Equipment 7 07-Mar-15 18-Mar-15 24-Mar-15 DE190350 13-Mar-15 DE190400 Employer consents to WWTS Equipment ◆ Employer consents to WWTS Equipmen 27-Mar-15 07-Apr-15 DE190450 Prepare & submit Detailed Design of WWTS to IC, ER & Employer 37 18-Jun-15 10-Aug-15 02-Jul-15 21-Aug-15 Prepare & submit Detailed Design of WWTS to IC, ER & Employer Prepare & submit Method of Construction for Wastewater Treatment System Prepare & submit Method of Construction for Wastewater Treatment System DE190460 25 07-Jul-15 10-Aug-15 03-Sep-15 09-Oct-15 IC checks & comments on Detailed Design of WWTS DE190500 IC checks & comments on Detailed Design of WWTS 14 11-Aug-15 24-Aug-15 12-Oct-15 25-Oct-15 DE190550 Revise & resubmit Detailed Design of WWTS to IC, Employer & ER 7 25-Aug-15 26-Oct-15 01-Nov-15 Revise & resubmit Detailed Design of WWTS to IC, Employer & ER 31-Aug-15 DE190600 IC checks & certifies Wastewater Treatment System 7 01-Sep-15 07-Sep-15 02-Nov-15 08-Nov-15 ■ IC checks & certifies Wastewater Treatment System Employer consents to Wastewater Treatment System ◆ Employer consents to Wastewater Treatment System DE190650 21-Sep-15 22-Nov-15 Centralized Air Pollution Control (CAPC) System 18-Dec-14 03-Jan-16 142 18-Dec-14 15-Jun-15 18-Dec-14 03-Jan-16 Prepare & make CAPC Equipment & Performance Submission to IC, ER & Employer Prepare & make CAPC Equipment & Performance Submission to IC, ER & Employer DE170200 14-Jan-15 18-Dec-14 14-Jan-15 17 18-Dec-14 IC checks & comments on CAPC System Equipment IC checks & comments on CAPC System Equipm Revise & resubmit CAPC System Equipment to IC, Employer & ER DE170300 Revise & resubmit CAPC System Equipment to IC, Employer & ER 7 29-Jan-15 04-Feb-15 DE170350 IC checks & certifies CAPC System Equipment 7 05-Feb-15 11-Feb-15 05-Feb-15 11-Feb-15 ■ IC checks & certifies CAPC System Equipment DE170400 Employer consents to CAPC System Equipment ◆ Employer consents to CAPC \$ystem Equipment 25-Feb-15 25-Feb-15 DE170450 Prepare & Submit Detailed Design of CAPC System to IC, ER & Employer 34 12-Mar-15 04-May-15 08-Jun-15 24-Jul-15 Prepare & Submit Detailed Design of CAPC System to IC, ER & Employe DE170460 Prepare & submit Method of Construction for CAPC System Prepare & submit Method of Construction for CAPC System 25 25-Mar-15 04-May-15 16-Oct-15 DE170500 IC checks & comments on Detailed Design of CAPC System 14 05-May-15 18-May-15 23-Nov-15 IC checks & comments on Detailed Design of CAPC System Revise & resubmit Detailed Design of CAPC System to IC, Employer & ER Revise & resultmit Detailed Design of CAPC System to IC, Employer & ER DE170550 7 19-May-15 25-May-15 07-Dec-15 13-Dec-15 DE170600 IC checks & certifies CAPC System 7 26-May-15 14-Dec-15 20-Dec-15 ■ IC checks & certifies CAPC \$ystem 01-Jun-15 Employer consents to CAPC System ◆ Employer consents to CAPC System DE170650 15-Jun-15 03-Jan-16 Electrical System and Accessories - Switchgear, LCP, Cable, Earthing, etc. 171 09-Mar-15 05-Oct-15 09-Mar-15 18-Oct-15 171 09-Mar-15 05-Oct-15 09-Mar-15 18-Oct-15 DE200200 Prepare & make Elect. Equipment & Performance Submission to IC, ER & Employe 09-Mar-15 02-Apr-15 Prepare & make Elect. Equipment & Performance Submission to IC, ER & Employe 03-Apr-15 16-Apr-15 IC checks & comments on Electrical System Equipment DE200250 IC checks & comments on Electrical System Equipment 16-Apr-15 DE200300 Revise & resubmit Electrical System Equipment to IC, Employer & ER 7 17-Apr-15 23-Apr-15 17-Apr-15 23-Apr-15 Revise & resubmit Electrical System Equipment to IC, Employer & ER ■ IC checks & certifies Electrical System Equipment DE200350 IC checks & certifies Electrical System Equipmen 30-Apr-15 24-Apr-15 DE200400 Employer consents to Electrical System Equipment 14-May-15 14-May-15 ◆ Employer consents to Electrical System Equipmen Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 14 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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ER & Employe DE210200 Prepare & make SCADA/PLC Equipment & Performance Submission to IC, ER & Employe 17 30-Mar-15 24-Apr-15 29-Jun-15 22-Jul-15 IC checks & comments on SCADA/PLC Equipment DE210250 IC checks & comments on SCADA/PLC Equipment 14 25-Apr-15 08-May-15 23-Jul-15 05-Aug-15 Revise & resubmit SCADA/PLC Equipment to IC, Employer & ER DE210300 Revise & resubmit SCADA/PLC Equipment to IC, Employer & ER 7 09-May-15 15-May-15 06-Aug-15 12-Aug-15 ■ IC checks & certifies SCADA/PLC Equipment DE210350 IC checks & certifies SCADA/PLC Equipment 7 16-May-15 22-May-15 13-Aug-15 19-Aug-15 ◆ Employer consents to SCADA/PLC Equipmen DE210400 Employer consents to SCADA/PLC Equipment 05-Jun-15 02-Sep-15 Prepare & submit Detailed Design of SCADA/PLC to IC, ER & Employer DE210450 Prepare & submit Detailed Design of SCADA/PLC to IC, ER & Employer 39 17-Jul-15 09-Sep-15 21-Sep-15 17-Nov-15 Prepare & submit Method of Construction for SCADA/PLC:System DE210460 Prepare & submit Method of Construction for SCADA/PLC System 25 06-Aug-15 09-Sep-15 13-Oct-15 17-Nov-15 DF210500 IC checks & comments on Detailed Design of SCADA/PLC System 14 10-Sep-15 23-Sep-15 18-Nov-15 01-Dec-15 IC checks & comments on Detailed Design of \$CADA/PLC System DE210550 Revise & resubmit Detailed Design of SCADA/PLC System to IC, Employer & ER 7 24-Sep-15 30-Sep-15 02-Dec-15 08-Dec-15 Revise & resubmit Detailed Design of SCADA/PLC System to IC, Employer & ER DE210600 IC checks & certifies SCADA/PLC System 7 01-Oct-15 07-Oct-15 09-Dec-15 15-Dec-15 ■ IC checks & certifies SCADA/PLC System ◆ Employer consents to SCADA/PLC System DF210650 Employer consents to SCADA/PLC System 21-Oct-15 29-Dec-15 **DETAILED DESIGN SUBMISSION (DDS) - BUILDING SERVICES** 97 18-Jun-15 13-Oct-15 97 18-Jun-15 13-Oct-15 30-Jun-15 10-Dec-15 Prepare & submit Lift, Fire Safety, Dangerous Goods Application & FSI to FSD & EMSD DS110200 Prepare & submit Lift, Fire Safety, Dangerous Goods Application & FSI to FSD & EMSD 32 18-Jun-15 03-Aug-15 30-Jun-15 13-Aug-15 Prepare & submit Method of Construction for Lift & FSI DS110210 Prepare & submit Method of Construction for Lift & FSI 25 28-Jul-15 31-Aug-15 10-Aug-15 11-Sep-15 Submit Lift & FSI Detailed Design to IC, ER & Employer Submit Lift & FSI Detailed Design to IC, ER & Employer DS110250 01-Sep-15 11-Sep-15 DS110300 IC checks & comments on Lift & FSI Detailed Design 14 02-Sep-15 15-Sep-15 30-Oct-15 12-Nov-15 IC checks & comments on Lift & FSI Detailed Design Revise & resubmit Lift & FSI Detailed Design to IC, Employer & ER DS110350 Revise & resubmit Lift & FSI Detailed Design to IC, Employer & ER 7 16-Sep-15 22-Sep-15 13-Nov-15 19-Nov-15 ☐ IC checks & certifies Lift & FSI Detailed Design IC checks & certifies Lift & FSI Detailed Design DS110400 7 23-Sep-15 29-Sep-15 20-Nov-15 26-Nov-15 Employer consents to Lift & FSI Detailed Design Employer consents to Lift & FSI Detailed Design DS110450 13-Oct-15 10-Dec-15 72 04-May-15 Waste Receiving, Pre-treatment & Administration Bldg #1 72 04-May-15 29-Jul-15 11-Sep-15 10-Dec-15 72 04-May-15 29-Jul-15 11-Sep-15 10-Dec-15 Prepare & make Bldg #1 BS Detailed Design - Electrical System to IC, ER & Employer DS120200 Prepare & make Bldg #1 BS Detailed Design - Electrical System to IC, ER & Employer 32 04-May-15 11-Sep-15 29-Oct-15 Prepare & make Bldg #1 BS Detailed Design - F\$ System to IC, ER & Employer DS120210 Prepare & make Bldg #1 BS Detailed Design - FS System to IC, ER & Employer 32 04-May-15 17-Jun-15 11-Sep-15 29-Oct-15 DS120220 Prepare & make Bldg #1 BS Detailed Design - P/D System to IC, ER & Employer 32 04-May-15 17-Jun-15 11-Sep-15 29-Oct-15 Prepare & make Bldg #1 BS Detailed Design - P/D System to IC, ER & Employe DS120230 Prepare & make Bldg #1 BS Detailed Design - MVAC System to IC, ER & Employer 32 04-May-15 17-Jun-15 Prepare & make Bldg #1 BS Detailed Design - MVAC System to IC, ER & Employer 11-Sep-15 29-Oct-15 DS120240 Prepare & submit Method of Construction for Bldg #1 Building Services 25 13-May-15 17-Jun-15 22-Sep-15 29-Oct-15 Prepare & submit Method of Construction for Bldg #1 Building Services IC checks & comments on Bldg #1 Building Services DS120250 IC checks & comments on Bldg #1 Building Services 14 18-Jun-15 01-Jul-15 30-Oct-15 DS120300 Revise & resubmit Bldg #1 BS Detailed Design to IC, Employer & ER 7 02-Jul-15 08-Jul-15 13-Nov-15 Revise & resubmit Bldg #1 BS Detailed Design to IC, Employer & ER ■ IC checks & certifies Bldg #1 Building Services DS120350 IC checks & certifies Bldg #1 Building Services 7 09-Jul-15 15-Jul-15 20-Nov-15 26-Nov-15 DS120400 Employer consents to Bldg #1 Building Services 29-Jul-15 ◆ Employer consents to Blda #1 Building Services 10-Dec-15 osting & Maturation Building #2 67 02-Apr-15 67 02-Apr-15 26-Jun-15 15-Apr-15 07-Jul-15 15-Apr-15 07-Jul-15 67 02-Apr-15 Prepare & make Bldg #2 BS Detailed Design - Electrical System to IC, ER & Employe Prepare & make Bldg #2 BS Detailed Design - Electrical System to IC, ER & Employe 28 02-Apr-15 DS130210 Prepare & make Bldg #2 BS Detailed Design - FS System to IC, ER & Employer 28 02-Apr-15 15-May-15 15-Apr-15 26-May-15 Prepare & make Bidg #2 BS Detailed Design - FS System to IC, ER & Employer DS130220 Prepare & make Bldg #2 BS Detailed Design - P/D System to IC, ER & Employer Prepare & make Bldg #2 BS Detailed Design - P/D System to IC, ER & Employer 15-May-15 DS130230 Prepare & make Bldg #2 BS Detailed Design - MVAC System to IC, ER & Employer 15-May-15 15-Apr-15 26-May-15 Prepare & make Bldg #2 BS Detailed Design - MVAC System to IC, ER & Employe Prepare & submit Method of Construction for Bldg #2 Building Services Prepare & submit Method of Construction for Bldg #2 Building Services DS130240 15-May-15 Project:OWTF1\_v1.2Final Activity Critical Page 15 of 27 print: 27-Mar-15 18:32 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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Natural Terrain) 70 30-Jan-15 09-Apr-15 22-Feb-15 02-May-15 LandsD & EPD - Approval of Tree preservation, transplanting and felling proposals (Excl. Natural Terrain) 70 09-Apr-15 17-Jun-15 23-Jul-16 30-Sep-16 LandsD & EPD - Approval of Tree preservation, transplanting and felling proposals (Natural Terrain - if any) SU110660 LandsD & EPD - Approval of Tree preservation, transplanting and felling proposals (Natural Terrain - if any) PROCUREMENT, MANUFACTURING, F.A.T., SHIPMENT AND DELIVERY OF E&M SYSTEMS EQUIPMENT Waste Receiving, Storage and Feeding System 221 09-Mar-15 26-Jan-16 23-Mar-15 27-Sep-16 221 09-Mar-15 26-Jan-16 23-Mar-15 27-Sep-16 221 09-Mar-15 26-Jan-16 23-Mar-15 27-Sep-16 PR110110 Issue orders & receive shop drawings from Waste Receiving, Storage and Feeding System suppliers 23-Mar-15 22-Apr-15 Issue orders & receive shop drawings from Waste Receiving, Storage and Feeding System suppliers 20 09-Mar-15 08-Apr-15 PR110120 Overhead Grabbing System 192 22-Apr-15 26-Jan-16 20-Jul-15 27-Apr-16 Weighbridge Platform 103 09-Jul-15 31-Mar-16 26-Aug-16 PR200100 Weighbridge Platform 03-Dec-15 PR200120 Weighbridge Computer System 61 22-Oct-15 18-Jan-16 14-Jun-16 07-Sep-16 Weighbridge Computer System Vehicle Wash Plant PR210100 Vehicle Wash Plant 102 09-Jul-15 02-Dec-15 04-May-16 27-Sep-16 Water Reclamation System PR210120 102 09-Jul-15 02-Dec-15 04-May-16 27-Sep-16 205 19-Mar-15 23-Mar-15 24-Aug-16 Pre-Treatment System 205 19-Mar-15 14-Jan-16 23-Mar-15 24-Aug-16 205 19-Mar-15 14-Jan-16 23-Mar-15 24-Aug-16 Issue orders & receive shop drawings from Pre-treatment supplier 20-Apr-15 Issue orders & receive shop drawings from Pre-treatment suppliers Reception Hoppers and Screw Conveyors PR110140 Reception Hoppers and Screw Conveyors 86 03-Aug-15 03-Dec-15 23-Feb-16 28-Jun-16 PR110160 Crushers 86 07-Sep-15 11-Jan-16 15-Mar-16 20-Jul-16 PR110180 Sieve Drums 86 07-Sep-15 11-Jan-16 13-Jan-16 20-May-16 Sieve Drum PR110200 Sand Grip Trap 86 07-Sep-15 11-Jan-16 15-Mar-16 20-Jul-16 Sand Grip Trap Project:OWTF1\_v1.2Final Activity Critical Page 16 of 27 print: 27-Mar-15 18:32 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | PR110220 Suspension Buffer Tank PR110240 Pumps and Mixers 64 09-Oct-15 11-Jan-16 25-May-16 24-Aug-16 Overhead Travelling Crane PR110260 Overhead Travelling Crane 123 21-Jul-15 14-Jan-16 04-Nov-15 05-May-16 Anaerobic Digestion (AD) Treatment System 183 20-Apr-15 183 20-Apr-15 11-Jan-16 15-Jul-15 29-Aug-16 183 20-Apr-15 11-Jan-16 15-Jul-15 29-Aug-16 PR120100 Issue orders & receive shop drawings from AD suppliers 20 20-Apr-15 18-May-15 15-Jul-15 11-Aug-15 Issue orders & receive shop drawings from AD suppliers PR120120 Digester Tanks 86 26-Aug-15 29-Dec-15 19-Nov-15 24-Mar-16 PR120140 Jet Mixing System 86 26-Aug-15 29-Dec-15 19-Nov-15 24-Mar-16 Jet Mixing System 86 26-Aug-15 29-Dec-15 19-Nov-15 24-Mar-16 PR120160 Heat Exchangers PR120180 Digestate Circulation and Feeding Pumps 86 26-Aug-15 29-Dec-15 19-Nov-15 24-Mar-16 Digestate Circulation and Feeding Pumps Intermediate Digestate Tanks PR120200 Intermediate Digestate Tanks 64 09-Oct-15 11-Jan-16 30-May-16 29-Aug-16 306 08-Apr-15 30-Jun-16 28-Apr-15 27-Jul-16 gas Cleaning, Storage and Distribution System 219 08-Apr-15 23-Feb-16 28-Apr-15 22-Jul-16 Biogas Cleaning and Storage System 219 08-Apr-15 23-Feb-16 28-Apr-15 22-Jul-16 PR130100 Issue orders & receive shop drawings from Biogas suppliers 17 08-Apr-15 30-Apr-15 28-Apr-15 21-May-15 Issue orders & receive shop drawings from Biogas suppliers 64 19-Nov-15 23-Feb-16 21-Apr-16 22-Jul-16 PR130120 Desulphurisation System Desulphurisation Syster 64 19-Nov-15 23-Feb-16 21-Apr-16 22-Jul-16 Biogas Storage Tank Biogas Storage Tank PR130140 306 08-Apr-15 30-Jun-16 28-Apr-15 27-Jul-16 Biogas Distribution System 306 08-Apr-15 30-Jun-16 28-Apr-15 27-Jul-16 PR140180 Standby Gas Flaring Unit 107 06-Aug-15 08-Jan-16 22-Feb-16 27-Jul-16 Standby Gas Flaring Unit PR160100 Issue orders & receive shop drawings from Biogas suppliers 17 08-Apr-15 30-Apr-15 28-Apr-15 21-May-15 PR160120 Biogas Blowers 223 06-Aug-15 30-Jun-16 27-Aug-15 22-Jul-16 PR160140 Biogas Cooling and Condensate Removal System 223 06-Aug-15 30-Jun-16 27-Aug-15 22-Jul-16 Combined Heat Recovery and Power (CHP) Generation System 383 15-Mar-15 02-Jul-16 15-Mar-15 17-Aug-16 383 15-Mar-15 02-Jul-16 15-Mar-15 17-Aug-16 383 15-Mar-15 02-Jul-16 15-Mar-15 17-Aug-16 Issue orders & receive shop drawings from CHP suppliers Issue orders & receive shop drawings from CHP suppliers PR140100 16 15-Mar-15 30-Mar-15 15-Mar-15 30-Mar-15 365 04-Jul-15 02-Jul-16 04-Jul-15 02-Jul-16 PR140120 Co Generator and Heat Exchanger Co Generator and Heat Exchange PR140140 FAT of Co-Generator and Heat Exchange 5 29-Sep-15 06-Oct-15 24-Jun-16 30-Jun-16 FAT of Co-Generator and Heat Exchanger PR140160 Electric Water Heater 64 06-Jul-15 05-Oct-15 18-May-16 17-Aug-16 Electric Water Heater Heat Water Circulation Pumps 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Approx. +6.30m.P.D. 6 17-Nov-15 23-Nov-15 24-Feb-16 01-Mar-16 Backfilling - reinstate to Lev. Approx. +6.30m.P.D CC101180 CC101200 Excavation by Open Cut to whole area 25 25-Sep-15 27-Oct-15 04-Dec-15 05-Jan-16 Excavation by Open Cut to whole area Installation of Ground Beams and Slabs CC101220 26 28-Oct-15 26-Nov-15 06-Jan-16 04-Feb-16 Installation of Ground Beams and Slabs 318 05-Oct-15 29-Oct-16 General 318 05-Oct-15 29-Oct-16 05-Oct-15 16-Mar-17 CC102100 Underground Drainage Work 18 27-Nov-15 17-Dec-15 11-Mar-16 05-Apr-16 Underground Drainage Work Base of Suspension Buffer Tank CC102120 Base of Suspension Buffer Tank 26 27-Nov-15 29-Dec-15 05-Feb-16 09-Mar-16 CC102140 Wall and Column G/F to +12.00m.P.D. 54 05-Oct-15 07-Dec-15 05-Oct-15 07-Dec-15 Wall and Column G/F to +12.00m.P.D. 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CC102240 Roof at +22 60m P.D. 12 10-Mar-16 23-Mar-16 17-Nov-16 30-Nov-16 CC102260 Clearance of Internal Area of G/F 6 29-Dec-15 05-Jan-16 05-Mar-16 11-Mar-16 Clearance of Internal Area of G/F CC102280 Erect bamboo working platform at Internal Area of G/F 12 06-Jan-16 19-Jan-16 12-Mar-16 29-Mar-16 Erect bamboo working platform at Internal Area of G/F CC102300 ABWF Works at G/F 24 20-Jan-16 19-Feb-16 30-Mar-16 27-Apr-16 ABWF Works at G/F CC102320 Clearance of Internal Area of Mezz Lev. & 1/F 9 01-Mar-16 10-Mar-16 01-Mar-16 10-Mar-16 Clearance of Internal Area of Mezz Lev. & 1/F CC102340 Erect bamboo working platform at Internal Area of Mess Lev. & 1.F 12 11-Mar-16 24-Mar-16 11-Mar-16 24-Mar-16 Erect bamboo working platform at Internal Area of Mess Lev. & 1.F CC102360 ABWF Works at 1/F to R/F 40 29-Mar-16 17-May-16 29-Mar-16 17-May-16 ABWF Works at 1/F to R/F ♦ Rermoval of Scaffolding and Working Platform CC102370 Rermoval of Scaffolding and Working Patform 17-May-16 25-Aug-16 External and Remaining ABWF Works CC102380 External and Remaining ABWF Works 85 24-Mar-16 09-Jul-16 01-Dec-16 16-Mar-17 CC102400 Handover G/F to E&M Works (Zone #1.1) 0 04-Feb-16 15-Apr-16 ► Handover G/F to E&M Works (Zone #1.1) CC102420 Handover 1/F to E&M Works (Zone #1.2) 0 18-Apr-16 18-Apr-16 ◆ Handover 1/F to E&M Works (Zone #1.2) CC102440 Interior Fitting-out Works to Admin & Visitor Areas 74 02-Aug-16 29-Oct-16 14-Dec-16 16-Mar-17 Interior Fitting out Works to Admin & Visitor Composting Building #2 (Zone #2.1) 472 23-May-15 20-Dec-16 For Location at Grid 1-5/A-C 54 23-May-15 28-Jul-15 23-May-15 06-Oct-15 CC103100 Excavation by Open Cut 21 23-May-15 17-Jun-15 23-May-15 17-Jun-15 Excavation by Open Cut CC103120 Tank slabs and walls 15 18-Jun-15 07-Jul-15 18-Jun-15 07-Jul-15 Tank slabs and walls CC103140 Installation of Ground Beams and Slabs 18 08-Jul-15 28-Jul-15 14-Sep-15 06-Oct-15 Installation of Ground Beams and Slah 15 08-Jul-15 24-Jul-15 CC103160 Underground Drainage Work 08-Jul-15 24-Jul-15 Underground Drainage Work For Location at Grid 1-5/C-G 39 25-Jul-15 08-Sep-15 25-Jul-15 06-Oct-15 Excavation by Open Cut CC103180 Excavation by Open Cut 21 25-Jul-15 18-Aug-15 25-Jul-15 18-Aug-15 Installation of Ground Beams and Slabs 18 19-Aug-15 08-Sep-15 14-Sep-15 06-Oct-15 Installation of Ground Beams and Slabs CC103200 CC103220 Underground Drainage Work 15 19-Aug-15 04-Sep-15 17-Sep-15 06-Oct-15 Underground Drainage Worl 382 09-Sep-15 20-Dec-16 07-Oct-15 16-Mar-17 General CC103240 07-Oct-15 06-Nov-15 Backfilling works Walls & Columns G/F to 1/F CC103280 Superstructure - 1/F Slab & Beams 27 30-Dec-15 30-Jan-16 07-Jan-16 06-Feb-16 Superstructure - 1/F Slab & Beam Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 19 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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Company to install cable and Equipment 380 23-Mar-15 03-Oct-16 21-Jul-16 30-Nov-16 380 23-Mar-15 03-Oct-16 21-Jul-16 30-Nov-16 SW260100 Registration of Boilers & Pressure Vessels 20 05-Sep-16 03-Oct-16 03-Nov-16 30-Nov-16 Registration of Boilers & Pressure Vessels Approval for installation of furnaces, ovens or chimney SW260120 Approval for installation of furnaces, ovens or chimneys 20 24-Jun-16 22-Jul-16 21-Jul-16 17-Aug-16 SW260160 Chemical Waste Producer Registration 20 23-Mar-15 22-Apr-15 21-Jul-16 17-Aug-16 Chemical Waste Producer Registration SW260170 Storage Approval for Chemicals (Control of Chemicals Regulation) 20 02-Jun-16 30-Jun-16 21-Jul-16 17-Aug-16 Storage Approval for Chemicals (Control of Chemicals Regulation F & M INSTALLATION WORKS Waste Receiving, Storage and Feeding System 120 04-Feb-16 05-Jul-16 28-Apr-16 26-Nov-16 120 04-Feb-16 05-Jul-16 28-Apr-16 26-Nov-16 120 04-Feb-16 05-Jul-16 28-Apr-16 26-Nov-16 Installation of Overhead Grabbing System Installation of Overhead Grabbing System EM100100 24 18-Apr-16 17-May-16 28-Apr-16 27-May-16 32 02-Apr-16 11-May-16 27-Aug-16 05-Oct-16 Installation of Weighbridge System 1 EM180100 Installation of Weighbridge System 1 121 EM180150 Installation of Weighbridge System 2 26 12-May-16 13-Jun-16 28-Oct-16 26-Nov-16 Installation of Weighbridge System 2 EM180200 Installation of Computer System 66 02-Apr-16 22-Jun-16 08-Sep-16 26-Nov-16 Installation of Computer Syster Cable Tray Laving Works 18 12-May-16 02-Jun-16 06-Oct-16 27-Oct-16 121 Cable Tray Laving Works EM180250 26 03-Jun-16 05-Jul-16 Cabling Works EM180300 Cabling Works 28-Oct-16 26-Nov-16 121 EM180350 Completion of E&M Installation of Waste Receiving, Storage and Feeding System 05-Jul-16 121 ◆ Completion of E&M Installation of Waste Receiving, Storage and Feeding 26-Nov-16 EM190100 Vehicle Washing System 50 04-Feb-16 09-Apr-16 28-Sep-16 26-Nov-16 Vehicle Washing System 155 04-Feb-16 Pre-Treatment System 155 04-Feb-16 15-Aug-16 15-Apr-16 14-Sep-16 155 04-Feb-16 15-Aug-16 15-Apr-16 14-Sep-16 EM100150 Installation of Reception Hopper 1 and Screw Conveyors Installation of Reception Hopper 1 and Screw Conveyors 18 18-Apr-16 09-May-16 29-Jun-16 20-Jul-16 EM100200 12 10-May-16 24-May-16 21-Jul-16 03-Aug-16 Installation of Crusher No 1 Installation of Crusher No 1 EM100250 Installation of Reception Hopper 2 and Screw Conveyors 12 10-May-16 24-May-16 21-Jul-16 03-Aug-16 Installation of Reception Hopper 2 and Screw Conveyors EM100300 Installation of Crusher No 2 18 25-May-16 15-Jun-16 04-Aug-16 24-Aug-16 Installation of Crusher No 2 EM100350 Installation of Pumps and Mixers 18 16-Jun-16 07-Jul-16 25-Aug-16 14-Sep-16 EM100400 Installation of Sieve Drum no 1 28 04-Feb-16 10-Mar-16 21-May-16 23-Jun-16 Installation of Sieve Drum no 1 EM100450 Installation of Sieve Drum no 2 22 11-Mar-16 09-Apr-16 24-Jun-16 20-Jul-16 Installation of Sieve Drum no 2 EM100500 Installation of Sand Grit Trap No 1 12 11-Apr-16 23-Apr-16 Installation of Sand Grit Trap No 1 21-Jul-16 03-Aug-16 EM100550 Installation of Sand Grit Trap No 2 12 25-Apr-16 09-May-16 04-Aug-16 17-Aug-16 Installation of Sand Grit Trap No 2 Installation of Heavy/ Light Fraction Screw No EM100600 Installation of Heavy/ Light Fraction Screw No 1 12 10-May-16 24-May-16 18-Aug-16 31-Aug-16 Installation of Heavy/ Light Fraction Screw No 2 Installation of Heavy/ Light Fraction Screw No 2 12 25-May-16 07-Jun-16 01-Sep-16 14-Sep-16 EM100650 Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 23 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

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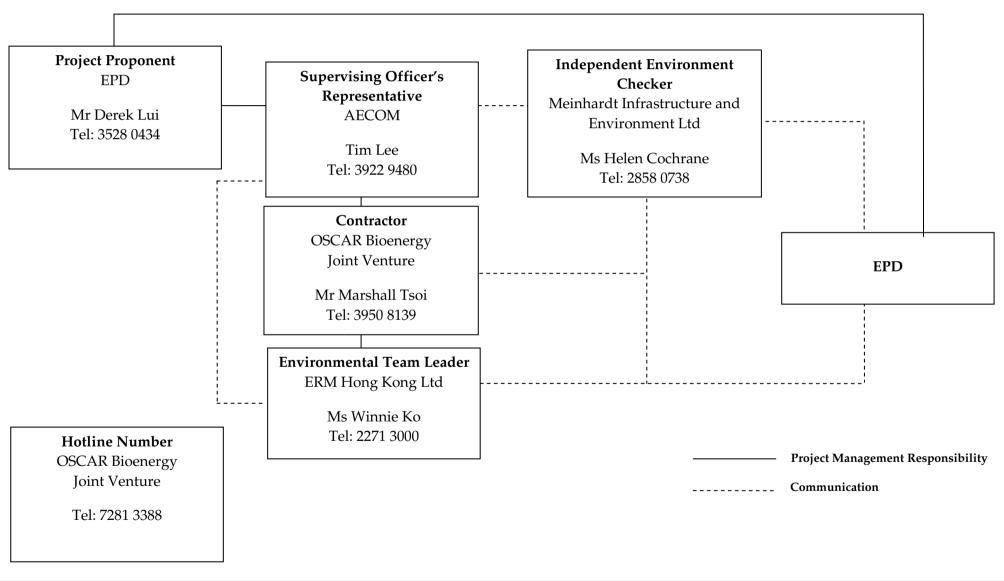
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Switchboard (For Pre-Traetment System) 1 28-Jul-16 28-Jul-16 28-Jul-16 28-Jul-16 I Energisation of Switchboard (For Pre-Traetment System) EN100300 Energisation of Switchboard (For Centralized Air Pollution System) 1 28-Jul-16 28-Jul-16 28-Jul-16 28-Jul-16 I Energisation of Switchboard (For Centralized Air Pollution System) EN100350 Site Testing (including hydraulic testing & pipe pressure testing) 134 29-Jul-16 07-Jan-17 18-Aug-16 14-Jan-17 134 29-Jul-16 07-Jan-17 18-Aug-16 14-Jan-17 Site Testing of Pretreatment System Site Testing of Pretreatment System Site Testing of Anaerobic Digestion Treatment System 30 13-Sep-16 20-Oct-16 13-Sep-16 20-Oct-16 Site Testing of Anaerobic Digestion Treatmen TC100150 01-Dec-16 07-Jan-17 Site Testing of Heat Recov TC100200 Site Testing of Heat Recovery and Power Generation System 01-Dec-16 07-Jan-17 Site Testing of Biogas Cleaning a TC100250 Site Testing of Biogas Cleaning and Storage System 13-Dec-16 TC100300 Site Testing of WWTS 51 29-Jul-16 27-Sep-16 18-Aug-16 19-Oct-16 Site Testing of WWTS TC100350 Site Testing of CAPCS 51 26-Aug-16 27-Oct-16 11-Nov-16 12-Jan-17 Site Testing of CAPCS TC100400 Site Testing of Composting System 21-Nov-16 12-Jan-17 Site Testing of Composting Site Testing of Weighbridge System & Vehicle Wash Sys Site Testing of Weighbridge System & Vehicle Wash System 39 29-Jul-16 12-Sep-16 28-Nov-16 14-Jan-17 System Commissioning (24 hours) 92 20-Oct-16 92 20-Oct-16 19-Jan-17 20-Oct-16 19-Jan-17 92 20-Oct-16 19-Jan-17 20-Oct-16 19-Jan-17 TC110100 Pre-Treatment Building & Facilities 1 20-Oct-16 20-Oct-16 20-Oct-16 20-Oct-16 ■ Pre-Treatment Building & Facilities TC110300 Biogas Cleaning and Storage System 1 24-Oct-16 24-Oct-16 07-Jan-17 07-Jan-17 I Biogas Cleaning and Storage System Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 26 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

**Environmental Protection Department** Contract No. EP/SP/61/10 **Contract Programme v1.2** of the HKSAR OSCAR BIOENERGY JV Organic Waste Treatment Facilities, Phase 1 Activity Name | Total | 2015 | 2015 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | 2016 | TC110500 Wastewater Treatment System TC110550 Centralized Air Pollution Control System 12-Jan-17 12-Jan-17 12-Jan-17 Centralized Air Pollution C TC110850 Vehicle Washing System 1 18-Jan-17 18-Jan-17 18-Jan-17 18-Jan-17 I Vehicle Washing Syste I Master Control Syster TC110900 Master Control System - SCADA/PLC System 1 19-Jan-17 19-Jan-17 19-Jan-17 19-Jan-17 Anaerobic Digestion Treatment System 3 21-Oct-16 23-Oct-16 21-Oct-16 06-Jan-17 21-Oct-16 21-Oct-16 Anaerobic Digester no TC110150 Anaerobic Digester no 1 1 21-Oct-16 21-Oct-16 05-Jan-17 05-Jan-17 I Anaerobic Digester no 2 TC110200 Anaerobic Digester no 2 1 22-Oct-16 22-Oct-16 TC110250 Anaerobic Digester no 3 1 23-Oct-16 23-Oct-16 I Anaerobic Digester no 3 3 08-Jan-17 10-Jan-17 08-Jan-17 10-Jan-17 Heat Recovery and Power Generation System 10-Jan-17 08-Jan-17 10-Jan-17 TC110350 Combine Heat Power System no 1 1 08-Jan-17 08-Jan-17 08-Jan-17 08-Jan-17 I Combine Heat Power Svs Combine Heat Power System no 2 09-Jan-17 09-Jan-17 I Combine Heat Power Sys TC110400 1 09-Jan-17 09-Jan-17 I Combine Heat Power Sys TC110450 Combine Heat Power System no 3 1 10-Jan-17 10-Jan-17 10-Jan-17 10-Jan-17 3 13-Jan-17 15-Jan-17 13-Jan-17 15-Jan-17 Composting System 3 13-Jan-17 15-Jan-17 13-Jan-17 15-Jan-17 I Tunnel Composting nos 1 13-Jan-17 TC110650 Tunnel Composting nos 4 - 6 14-Jan-17 14-Jan-17 I Tunnel Composting nos Maturation Area Facilitie TC110700 Maturation Area Facilities Weighbridge System 2 16-Jan-17 17-Jan-17 16-Jan-17 17-Jan-17 TC110750 Weighbridge System No 1 1 16-Jan-17 16-Jan-17 16-Jan-17 16-Jan-17 ■ Weighbridge System N 1 17-Jan-17 17-Jan-17 17-Jan-17 17-Jan-17 I Weighbridge System 1 TC110800 Weighbridge System No 2 Process Startup, Process Commissioning & Plant Commissioning 16-Mar-17 90 22-Oct-16 19-Jan-17 Process Start up 22-Oct-16 19-Jan-17 90 22-Oct-16 19-Jan-17 22-Oct-16 19-Jan-17 PS900100 N2 Purging of Anaerobic Digester No 1 7 22-Oct-16 28-Oct-16 22-Oct-16 28-Oct-16 N2 Purging of Anaerobic Digester No 1 PS900150 14 29-Oct-16 11-Nov-16 29-Oct-16 11-Nov-16 Inqculate Anaerobic Digester No.1 (See Inoculate Anaerobic Digester No.1 (Seeding) PS900200 N2 Purging of Anaerobic, Digester No 2 N2 Purging of Anaerobic Digester No 2 PS900250 N2 Purging of Anaerobic Digester No 3 ■ N2 Purging of Anaerobic Digester No PS900300 Start up test with Anaerobic Digester No 1 30 12-Nov-16 11-Dec-16 12-Nov-16 11-Dec-16 Start up test with Anaerobic Diges ■ Biogas Production from Anaero PS900350 Biogas Production from Anaerobic Digester No 1 7 12-Dec-16 12-Dec-16 18-Dec-16 Start-Up of Gas System (Incli PS900400 Start-Up of Gas System (Including Desulphurisation System) 7 19-Dec-16 Dewatering Test and Start-PS900450 Dewatering Test and Start-Up of Dewatering System 15 19-Dec-16 02-Jan-17 Start-Up of Composting Sys PS900500 14 19-Dec-16 01-Jan-17 06-Jan-17 19-Jan-17 Start-Up of Composting System I Transfering 50% Digester from Transfering 50% Digester from Anaerobic Digester No.1 to No.2 1 19-Dec-16 19-Dec-16 19-Dec-16 PS900600 Start up test with Anaerobic Digester No 2 30 20-Dec-16 18-Jan-17 20-Dec-16 18-Jan-17 Start up test with Anae PS900650 Biogas Production from Anaerobic Digester No 2 7 12-Jan-17 18-Jan-17 12-Jan-17 18-Jan-17 ■ Biogas Production from I Transfering 50% Diges PS900700 Transfering 50% Digester from Anaerobic Digester No.2 to No.3 1 19-Jan-17 19-Jan-17 19-Jan-17 19-Jan-17 PS900750 Start up test with Anaerobic Digester No 3 30 21-Dec-16 19-Jan-17 21-Dec-16 19-Jan-17 Start up test with Anae ■ Biogas Production from PS900800 Biogas Production from Anaerobic Digester No 3 7 13-Jan-17 19-Jan-17 13-Jan-17 19-Jan-17 Process Commissioning 26 20-Jan-17 14-Feb-17 20-Jan-17 14-Feb-17 Process Com PS900850 Process Commissioning with Anaerobic Digester No 1&2 ( Assume 2 no Anaerobic digesters ) 26 20-Jan-17 14-Feb-17 20-Jan-17 14-Feb-17 30 15-Feb-17 16-Mar-17 15-Feb-17 16-Mar-17 Plant Commissioning 30 15-Feb-17 16-Mar-17 15-Feb-17 16-Mar-17 Plant Commissioning with Anaerobic Digesters ( Assume 2 no Anaerobic digesters ) COMPLETION OF THE WORKS 1 16-Mar-17 17-Mar-17 16-Mar-17 17-Mar-17 1 16-Mar-17 17-Mar-17 16-Mar-17 17-Mar-17 ◆ COMPLE KD100360 COMPLETION OF THE DESIGN AND THE WORKS INCLUDING TESTING AND COMMISSIONING 16-Mar-17 16-Mar-17 KD100380 COMMENCEMENT OF THE OPERATION 17-Mar-17 17-Mar-17 ◆ COMME Project:OWTF1\_v1.2Final Activity Critical print: 27-Mar-15 18:32 Page 27 of 27 Ref.:WS-OSC-00-0-TM-0001-B, Date: 27-Mar-2015 © Oracle Corporation Milestone

# 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	Environmental Protection Measures	Location/ Timing	Status
2	Log Ref.			
		al Mitigation Measures in the EIA and EM&A Manual		
	ir Quality	The Property of the Property o		T
3.73	2.5	Air Pollution Control (Construction Dust) Regulation & Good Site Practices	Construction Site / During	<>
		Use of regular watering, with complete coverage, to reduce dust emissions from exposed	Construction Period	
		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.		
		whit are effective fabric fifter of equivalent air pollution control system.		
В. Н	lazard to Life	1	<u> </u>	
4.102	3.3	Construction Phase	Construction Site / During	

EIA Ref. EM&A		Environmental Protection Measures	Location/ Timing	Status	
	Log Ref.				
		• The number of workers on site during construction stage should be kept at the same level as	Construction Period		
		the assessment.			
		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.			
	Vater Quality				
5.44	4.5	Construction site run-off and general construction activities:	Construction Site / During	√	
		The mitigation measures as outlined in the ProPECC PN 1/94 Construction Site Drainage	Construction Period		
		should be adopted where applicable.			
5.45	4.5	Excavation of Soil Materials	Construction Site / During	<>	
		The construction programme should be properly planned to minimise soil excavation, if any,	Construction Period		
		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			

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		stockpiles should be covered with tarpaulin or impervious sheets at all times. The stockpiles of 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	Accidental spillage of chemicals:  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:  • 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	<b>V</b>

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
5.51	4.5	Sewage Effluent 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.	Work site/During the construction period	<b>V</b>
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	V
5.53	4.5	Nullah Decking To minimize the potential water quality impacts from the nullah reconstruction works, the practices outlined below should be adopted where applicable:  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.	Work Site / During Construction Period	N/A

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
6.41	5.4	Good Site Practices  Recommendations for good site practices during the construction phase would include:  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.	Work Site / During Construction Period	
6.42	5.5	Waste Reduction Measures 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:  • 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	<ul> <li>Excavated and C&amp;D Materials</li> <li>In order to minimise the impact resulting from collection and transportation of C&amp;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:         <ul> <li>A WMP, which becomes part of the Environmental Management Plan (EMP), should be</li> </ul> </li> </ul>	Work Site/During Design & Construction Period	V

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
	Eog Rei.	prepared in accordance with ETWB TCW No.19/2005;  • 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	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.  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.	Work Site/During Design & Construction Period	√
6.47	5.10	Chemical Waste 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.	Work Site / During Construction Period	<>
6.48	5.11	General Refuse 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.	Work Site / During Construction Period	√
	andscape and			
7.99 &	Table 6.1	Construction Phase	Work site/During Design &	

EIA Ref. EM&A		Environmental Protection Measures	Location/ Timing	Status
	Log Ref.			
Table 7.7		• Topsoil, where identified, should be stripped and stored for re-use in the construction of the	Construction Stages	
		soft landscape works, where practical		
		<ul> <li>Compensatory tree planting should be provided to compensate for felled trees.</li> </ul>		
		- 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		
F. N	  oise			
8.25	7.3	Good Site Practice:	Work site/During Design &	$\sqrt{}$
		Only well-maintained plant should be operated on-site and plant should be serviced	Construction Stages	
		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.		

#### 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

	Actual Quantities of Inert C&D Materials Generated						Actual Quantities of Non-inert C&D Materials (Construction Waste) Generated				
Month	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	0.00	0.00	0.00	55.06	
Total	11746.00	0.00	0.00	0.00	11746.00	0.00	0.00	0.00	0.00	98.40	

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.

# 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
Overall Total	0	0