

JOB NO.: TCS01062/19

EPD CONTRACT NO. EP/SP/86/15 ORGANIC WASTE TREATMENT FACILITIES PHASE 2

MONTHLY ENVIRONMENTAL MONITORING AND AUDIT Report (February 2021)

PREPARED FOR AJA JOINT VENTURE

Date	Reference No.	Prepared By	Certified By
29 March 2021	TCS01062/19/600/R0132v5	Http	Am

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Version	Date	Remarks
1	2 March 2021	First Submission
2	10 March 2021	Amended against IEC's comments
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1 April 2021

Dear Sir

Contract No. EP/SP/86/15 Organic Waste Treatment Facilities Phase 2 Monthly Environmental Monitoring & Audit Report (February 2021)

Further to our verification letter reference 271491/02-09/MY/KL/NL-1079 issued on 11 March 2021, we noted there have been updates to the Monthly Environmental Monitoring & Audit Report (February 2021).

Referring to your letter referenced above dated 30 March 2021, pursuant to Permit Condition 3.4 of the Environmental Permit No. FEP-01/460/2013/A, we hereby verify that the revised report ref. no. TCS01062/19/600/R0132v5 complied in general with the requirements as set out in the EM&A Manual.

Should you have any queries, please contact the undersigned at 2268 3206.

Yours faithfully

Martin Yu Independent Environmental Checker

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EXECUTIVE SUMMARY

- ES01 Environmental Protection Department (hereinafter referred as "EPD") is the Project Proponent for the Project "Organic Waste Treatment Facilities Phase 2" (hereinafter referred as "the Project"). The Project is a Designated Project to be implemented under Environmental Permit No. EP-460/2013 (hereinafter referred as "the EP"). In accordance with the Works Contract requirements, the Contractor shall take over the responsibility of the EP. Based on the requirement, Further Environmental Permit FEP-01/460/2013/A (hereinafter referred as "the FEP") was applied by AJA Joint Venture (hereinafter referred as "AJAJV").
- ES02 Action-United Environmental Services & Consulting (hereinafter referred as "AUES") was employed as Environmental Team (hereinafter referred as "ET") to implement monitoring programmes and as well as the associated duties.
- ES03 This is the monthly EM&A report presenting the environmental monitoring results and inspection findings for the reporting period from 1 to 28 February 2021 (hereinafter 'the Reporting Period').

ENVIRONMENTAL MONITORING AND AUDIT ACTIVITIES

ES04 Environmental monitoring activities under the EM&A program in this Reporting Period are summarized in the following table.

Table ES-1Summary of Environmental Monitoring Activities Undertaken in the
Reporting Period

Issues	Environmental Monitoring Parameters / Inspection	Sessions
Construction Noise	Leq (30min) Daytime	16
Inspection / Audit	ET Regular Environmental Site Inspection	4

BREACH OF ACTION AND LIMIT (A/L) LEVELS

ES05 No daytime construction noise monitoring exceedance was recorded in this Reporting Period. The statistics of environmental exceedance and investigation of exceedance are summarized in the following table.

Table ES-2 Summary of Environmental Monitoring Parameter Exceedance in the Reporting Period

Environmental	Monitoring	Action	Limit	Event &	Action
Issues	Parameters	Level	Level	Investigation Results	Corrective Actions
Construction Noise	Leq _{30min} Daytime	0	0	NA	NA

SITE INSPECTION

ES06 In the Reporting Period, weekly site inspections to evaluate the site environmental performance had been carried out by ET on 3^{rd} , 10^{th} , 19^{th} and 24^{th} February 2021. Joint site inspection was also carried out by the ER, IEC representative and the Contractor on 3^{rd} , 10^{th} , 17^{th} and 24^{th} February 2021. No non-compliance was recorded during the site inspections.

ENVIRONMENTAL COMPLAINT

ES07 No environmental complaint was recorded in this Reporting Period for the Project. The statistics of environmental complaint are summarized in the following table.

Table ES-3 Summary of Environmental Complaint Records in the Reporting Period

Donorting Doriod	Enviror	Related with the		
Reporting Period	Frequency	Cumulative	Complaint Nature	Works Contract
1 – 28 February 2021	0	0	NA	NA

NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

ES08 No environmental summons or prosecutions was received in this Reporting Period for the Project. The statistics of environmental summons or prosecutions are summarized in the following tables.

Table ES-4	Summary of Environmental Summons Records in the Reporting Period
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Donouting Doniod	Enviror	Related with the		
Reporting Period	Frequency	Cumulative	Complaint Nature	Works Contract
1 – 28 February 2021	0	0	NA	NA

Table ES-5 Summary of Environmental Prosecutions Records in the Reporting Period

Donorting Doriod	Environ	Related with the		
Reporting Period	Frequency	Cumulative	Complaint Nature	Works Contract
1 – 28 February 2021	0	0	NA	NA

REPORTING CHANGE

ES09 No reporting change was made in this Reporting Period.

FUTURE KEY ISSUES

- ES10 Construction noise would be a key environmental issue during construction work of the Project. Noise mitigation measures such as using quiet plants should be implemented in accordance with the EM&A requirement.
- ES11 In addition, all effluent discharge from the construction site shall fulfill the discharge licence stipulation.



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1. INTRODUCTION

1.1 PROJECT BACKGROUND

- 1.1.1 Environmental Protection Department (hereinafter referred as "EPD") is the Project Proponent for the Project "*Organic Waste Treatment Facilities Phase 2*" (hereinafter referred as "the Project"). The Project is a Designated Project to be implemented under Environmental Permit No. EP-460/2013 (hereinafter referred as "the EP"). The major construction work of the Project included:
 - (i) Demolition and removal of the existing above ground structures of the Sha Ling Livestock Waste Composting Plant (SLCP);
 - (ii) Construction of superstructure for an administration building and enclosed waste reception area;
 - (iii) Installation of treatment facilities including waste pre-treatment equipment, digesters, biogas holding tanks, composting, wastewater treatment, air treatment systems; and
 - (iv) Facilities for biogas processing, utilization and transmission;
- 1.1.2 AJA Joint Venture (hereinafter referred as "AJAJV") has been awarded the *EPD Contract No. EP/SP/86/15* "Organic Waste Treatment Facilities Phase 2". In accordance with the Works Contract requirements, AJAJV shall take over the responsibility of the EP. Based on the requirement, Further Environmental Permit application was submitted by AJAJV to EPD on 10 September 2019 and granted on 2 October 2019. A variation of Further Environmental Permit was granted on 14 September 2020. The Further Environmental Permit is named as FEP-01/460/2013/A (hereinafter referred as "the FEP").
- 1.1.3 According to the approved Environmental Monitoring and Audit Manual (hereinafter referred as "the EM&A Manual"), AJAJV employed Action-United Environmental Services & Consulting (hereinafter referred as "AUES") as Environmental Team (hereinafter referred as "ET") to implement monitoring programme and as well as the associated duties.
- 1.1.4 According to the EM&A Manual, construction noise was identified as the only key environmental issue during the construction phase of the Project and it is required to carry out construction noise monitoring throughout the construction phase. Furthermore, baseline noise monitoring as part of the EM&A programmes shall be conducted prior to the commencement of the construction works under the Project. Thus, baseline noise monitoring was conducted by ET from 25 September 2019 to 8 October 2019. The baseline monitoring report compiled by the ET was verified by Independent Environmental Checker (hereinafter the "IEC") and was submitted to EPD on 19th November 2019 for endorsement.
- 1.1.5 The Project works was commenced on 3rd December 2019. This is the 15th EM&A monthly report presenting the construction noise monitoring results and site inspection findings from 1st to 28th February 2021 (hereinafter the "Reporting Period").

1.2 REPORT STRUCTURE

1.2.1 The Monthly Environmental Monitoring and Audit (EM&A) Report is structured into the following sections:-

Introduction
Project Organization and Construction Progress
Summary of Impact Monitoring Requirements
Construction Noise Monitoring
Waste Management
Site Inspections
Environmental Complaints and Non-Compliance
Implementation Status of Mitigation Measures
Conclusions and Recommendations



2. PROJECT ORGANIZATION AND CONSTRUCTION PROGRESS

2.1 PROJECT ORGANIZATION AND CONSTRUCTION PROGRESS

2.1.1 Organization structure and contact details of relevant parties with respect to on-site environmental management are shown in *Appendix B*. The responsibilities of respective parties are:

Engineer or Engineers Representative (ER)

- 2.1.2 The ER is responsible for overseeing the construction works and for ensuring that the works are undertaken by the Contractor in accordance with the specification and contract requirements. The duties and responsibilities of the ER with respect to EM&A include:
 - to monitor the Contractor's compliance with Contract Specifications, including the effective implementation and operation of the environmental mitigation measures;
 - to employ an Independent Environmental Checker (IEC) to audit the results of the EM&A works carried out by the Environmental Team (ET);
 - to monitor Contractors', ET's and IEC's compliance with the requirements in the Environmental Permit (EP) and EM&A Manual;
 - to facilitate ET's implementation of the EM&A programme;
 - participate in joint site inspection by the ET and IEC;
 - to oversee the implementation of the agreed Event / Action Plan in the event of any exceedance; and,
 - to adhere to the procedures for carrying out complaint investigation.

The Contractor

- 2.1.3 The Contractor should report to the ER. The duties and responsibilities of the Contractor include:
 - to comply with the relevant contract conditions and specifications on environmental protection;
 - to employ an ET to undertake monitoring, laboratory analysis and reporting of EM&A;
 - to facilitate ET's monitoring and site inspection activities;
 - to participate in the site inspections undertaken by the ET and IEC, and undertake any corrective actions;
 - to provide information / advice to the ET regarding works programme and activities which may contribute to the generation of adverse environmental impacts;
 - to submit proposals on mitigation measures in case of exceedance of Action and Limit levels in accordance with the Event / Action Plans;
 - to implement measures to reduce impact where Action and Limit levels are exceeded; and,
 - to adhere to the procedures for carrying out complaint investigation.

Environmental Team (ET)

- 2.1.4 The ET will be led and managed by the ET Leader. ET Leader should have relevant professional qualifications in environmental control and possess at least 7 years of experience in EM&A. Suitably qualified staff should be included in the ET, and resources for the implementation of the EM&A programme should be allocated in the time under the Contract, to enable fulfilment of the Project's EM&A requirements as specified in the EM&A Manual during construction of the Project. The ET should report to Project Proponent and the duties should include:
 - to monitor and audit various environmental parameters as required in this EM&A Manual;
 - to analyse the environmental monitoring and audit data, review the success of EM&A programme and the adequacy of mitigation measures implemented, confirm the validity of the EIA predictions and identify any adverse environmental impacts arising;
 - to monitor compliance with conditions in the EP, environmental protection, pollution prevention and control regulations and contract specifications;
 - to audit environmental conditions on site;
 - to report on the environmental monitoring and audit results to EPD, the ER, the IEC and Contractor or their delegated representatives;

- to recommend suitable mitigation measures to the Contractor in the case of exceedance of Action and Limit levels in accordance with the Event and Action Plans;
- to liaise with the IEC on all environmental performance matters, and ensure timely submission of all relevant EM&A pro forma for IEC's approval;
- to provide advice to the Contractor on environmental improvement, awareness and enhancement matters, etc on site;
- to adhere to the procedures for carrying out complaint investigation;
- to prepare reports on the environmental monitoring data and the site environmental conditions;
- to submit the EM&A report to Director of Environmental Protection (DEP) timely;
- to review proposals of mitigation measures from the Contractor in case of exceedance of Action and Limit levels, in accordance with Event and Action Plan; and,
- to carry out site inspection to investigate and audit the Contractor's site practice, equipment and work methodologies with respect to pollution control and mitigation measures.

Independent Environmental Checker (IEC)

- 2.1.5 The IEC is empowered to audit the environmental performance of construction, but is independent from the management of construction works. As such, the IEC should not be in any way an associated body of the Contractor or the ET for the Project. The IEC should be a person who has relevant professional qualifications in environmental control and at least 7 years' experience in EM&A and environmental management. The duties and responsibilities of the IEC are:
 - to provide proactive advice to the ER on EM&A matters related to the project;
 - to review and verify the monitoring data and all submissions in connection with the EP and EM&A Manual submitted by the ET;
 - to arrange and conduct regular, at least monthly site inspections of the works during the construction phase, and to carry out ad hoc inspections if significant environmental problems are identified;
 - to check compliance with the agreed Event / Action Plan in the event of any exceedance;
 - to check compliance with the procedures for carrying out complaint investigation;
 - to check the effectiveness of corrective measures;
 - to feedback audit results to the ET by signing off relevant EM&A pro forma;
 - to check that mitigation measures are effectively implemented;
 - to report the works conducted, and the findings, recommendations and improvements of the site inspections, after reviewing ET's and Contractor's works, to the ER on a monthly basis;
 - to verify the investigation result of the environmental complaint cases and the effectiveness of corrective measures;
 - to verify EM&A report that has been certified by ET leader; and,
 - to audit EIA recommendations and requirements against the status of implementation of environmental mitigation measures on site.

2.2 CONSTRUCTION PROGRESS

- 2.2.1 Works program of the Project is enclosed in *Appendix D*; and the major construction activities undertaken in the Reporting Period is presented as below:
 - Granulation Building Bay 6 construction
 - AD tank Lining Installation
 - Admin Building Bay 1 construction

2.3 SUMMARY OF ENVIRONMENTAL SUBMISSIONS

2.3.1 Summary of the relevant permits, licenses, and/or notifications on environmental protection for the Project of contract 1 are presented in *Tables 2-1*.

Table 2-1 Status of Environmental Licenses and Permits of the Project

Itom	Item Description	License/Permit Status			
Item		Permit no./	Valid Period	Status	



		account no./ Ref. no.	From	То	
1	Notification pursuant to AirpollutionControl(ConstructionDust)Regulation	Application No. 448863			Notified on 9 September 2019
2	Chemical Waste Producer Registration	Ref. no.: 5211-641-A2957- 01			Issued on 9 Oct 2019
3	Water Pollution Control Ordinance - Discharge License	Application No. 448913			Application made on 10 Sep 2019
4	Waste Disposal Regulation - Billing Account for Disposal of Construction Waste	Account no. 7035307	2 Oct 2019	NA	Valid
5	Further Environmental Permit	FEP-01/460/2013/ A	14 Sep 2020	NA	Valid
6	Construction Noise Permit	GW-RN0923-20	31 Dec 2020	26 Jun 2021	Valid
7	Water Discharge Licence	WT00035196-201 9	20 Mar 2020	31 Mar 2025	Valid



3. SUMMARY OF IMPACT MONITORING REQUIREMENTS

3.1 GENERAL

3.1.1 According to Environmental Monitoring and Audit requirements set out in the Approved EM&A manual, construction noise was identified as the only key environmental issues during the construction phase of the Project.

3.2 MONITORING PARAMETERS

3.2.1 The construction noise monitoring requirement stated in the approved EM&A Manual is summarized in *Table 3-1*.

Table 3-1 Summary of EM&A Requirement

Environmental Issue	Parameters			
Noise	 Leq(30min) in normal working days (Monday to Saturday) 07:00-19:00 except public holiday Supplementary information for data auditing, statistical results such as L₁₀ and L₉₀ shall also be obtained for reference. 			

3.3 MONITORING LOCATIONS

3.3.1 According to the EM&A Manual Section 4.2.3, four (4) designated noise sensitive receivers (NSR) were recommended as construction noise monitoring stations. Site visit was conducted by the ET on 23th September 2019 to review and study sensitive receivers at surrounding and adjacent to the Project. Due to the presence of steel wire fencing and village dogs, two of the designated monitoring locations N2 and N3 were not accessible. Hence, two alternative locations N2a and N3a are proposed as a temporary noise monitoring locations to carry out impact noise monitoring until the alternative locations are approved by EPD. Details of the locations for construction noise monitoring in the Reporting Period is listed in *Table 3-2* and showed in *Appendix C*.

Impact Monitoring Stations Constitucion Moise			
Location			
Village House No. 308, Sha Ling			
Village House No. 318, Sha Ling			
Village House No. 261, Sha Ling			
Village House in Sha Ling			

 Table 3-2
 Impact Monitoring Stations – Construction Noise

Remark: N2a and N3a are temporary noise monitoring location. If there is any new alternative location(s) available in future, the impact monitoring will be carried out at the new alterative location(s) upon EPD agreement.

3.4 MONITORING FREQUENCY AND PERIOD

- 3.4.1 Noise monitoring shall be conducted at the all available designated monitoring stations or alternative locations. The monitoring frequency shall depend on scale of the construction activities. According to EM&A manual, regular noise monitoring should be carried out once a week when noise generating activities are underway and the monitoring requirement is presented below:
 - one set of Leq_(30min) measurements between 07:00 and 19:00 hours on normal weekdays

3.5 MONITORING EQUIPMENT

- 3.5.1 Sound level meter in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications shall be used for carrying out the noise monitoring. The sound level meter shall be checked using an acoustic calibrator. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in ms⁻¹.
- 3.5.2 Equipment used for construction noise monitoring is listed in *Table 3-3*.



Equipment	Model
Integrating Sound Level Meter	B&K Type 2238 and Rion NL-52
Calibrator	B&K Type 4231 and Rion NC-74
Portable Wind Speed Indicator	Anemometer AZ Instrument 8908 Wind Speed Indicator

Table 3-3Construction Noise Monitoring Equipment

3.6 MONITORING METHODOLOGY

- 3.6.1 Immediately prior to and following each noise measurement the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0 dB.
- 3.6.2 All noise measurements will be performed with the meter set to FAST response and on the A-weighted equivalent continuous sound pressure level (Leq). Leq_(30 min) in six consecutive Leq_(5 min) measurements will be used as the monitoring parameter for the time period between 07:00-19:00 hours on weekdays throughout the construction period.
- 3.6.3 The sound level meter will be mounted on a tripod at a height of 1.2 m and placed at the assessment point and oriented such that the microphone is pointed to the site with the microphone facing perpendicular to the line of sight. The windshield will be fitted for all measurements. Where a measurement is to be carried out at a building, the assessment point would normally be at a position 1 m from the exterior of the building façade. Where a measurement is to be made for noise being received at a place other than a building, the assessment point would be at a position 1.2 m above the ground in a free-field situation, i.e. at least 3.5 m away from reflective surfaces such as adjacent buildings or walls.
- 3.6.4 Immediately prior to and following each noise measurement the accuracy of the sound level meter will be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements will be accepted as valid only if the calibration level from before and after the noise measurement agrees to within 1.0 dB.
- 3.6.5 Noise measurements will not be made in fog, rain, wind with a steady speed exceeding 5m/s or wind with gusts exceeding 10m/s. The wind speed will be checked with a portable wind speed meter capable of measuring the wind speed in m/s.
- 3.6.6 The sound level meter and calibrator are calibrated and certified by a laboratory accredited under HOKLAS or any other international accreditation scheme at yearly basis. Calibration certificates of all the noise monitoring equipment used for the impact monitoring program will be provided in each EM&A Monthly Report.

3.7 ACTION/LIMIT (A/L) LEVELS

3.7.1 Action and Limit levels for construction noise as stipulated in the approved Environmental Monitoring and Audit Manual are listed in *Tables 3-4*.

M	Action Level	Limit Level in dB(A)			
Monitoring Location	Time Period: 0700-1900 hours on normal weekdays				
N1					
N2a	When one or more documented				
N3a	complaints are received	75 dB(A)			
N4					

Table 3-4Action and Limit Levels for Construction Noise

Note: If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority should be followed.



3.7.2 Should non-compliance of the environmental quality criteria occur, remedial actions will be triggered according to the Event and Action Plan presented in *Appendix E*.

3.8 DATA MANAGEMENT AND DATA QA/QC CONTROL

3.8.1 All monitoring data will be handled by the ET's in-house data recording and management system. The monitoring data recorded in the equipment will be downloaded directly from the equipment at the end of each monitoring day. The downloaded monitoring data will be input into a computerized database properly maintained by the ET.



4. CONSTRUCTION NOISE MONITORING

4.1 GENERAL

- 4.1.1 In the Reporting Period, construction noise monitoring was performed at monitoring location N1, N2a, N3a and N4. No construction work was carried out during restricted hours in the reporting period, therefore no additional noise monitoring during restricted hours was performed. The noise monitoring schedule is presented in *Appendix F*.
- 4.1.2 Valid calibration certificates of monitoring equipment are shown in *Appendix G* and the construction noise monitoring results are summarized in the following sub-sections.

4.2 RESULTS OF NOISE MONITORING

4.2.1 **16** sessions of daytime construction noise monitoring were performed at the agreed monitoring locations in the reporting period. Since the noise measurement was made under free field condition, a façade correction of +3dB(A) has been added according to acoustical principles and EPD guidelines. The daytime noise monitoring results are summarized in *Table 4-1 to Table 4-4*. The detailed noise monitoring data are presented in *Appendix H* and the relevant graphical plots are shown in *Appendix I*.

Date	Time of Starting	Time of Finishing	Measurement Result (dB(A)) Leq30min
1-Feb-21	9:36	10:06	58.1
11-Feb-21	13:48	14:18	54.6
17-Feb-21	14:17	14:47	60.2
24-Feb-21	11:17	11:47	60.2

Table 4-1Daytime Construction Noise Impact Monitoring Results at N1

Table 4-2	Daytime Construction Noise Impact Monitoring Results at N2a
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Date	Time of Starting	Time of Finishing	Measurement Result (dB(A)) L _{eq30min}
1-Feb-21	10:37	11:07	56.1
11-Feb-21	13:11	13:41	52.6
17-Feb-21	13:40	14:10	45.9
24-Feb-21	10:37	11:07	53.7

Table 4-3Daytime Construction Noise Impact Monitoring Results at N3a

Date	Time of Starting	Time of Finishing	Measurement Result (dB(A)) L _{eq30min}
1-Feb-21	13:45	14:15	61.5
11-Feb-21	15:39	16:09	68.5
17-Feb-21	16:08	16:38	50.7
24-Feb-21	9:17	9:47	75.0

Table 4-4Daytime Construction Noise Impact Monitoring Results at N4

Date	Time of Starting	Time of Finishing	Measurement Result (dB(A)) Leq30min
1-Feb-21	14:39	15:09	64.2
11-Feb-21	9:26	9:56	66.2
17-Feb-21	9:37	10:07	62.2
24-Feb-21	9:58	10:28	71.5

4.2.2 As shown in *Table 4-1 to 4-4*, all the measured results were below 75dB(A) of the acceptance criteria. No adverse weather condition which may affect the monitoring result was encountered during the course of noise monitoring in the reporting period. Furthermore, no documented complaint is received, indicating no exceedance of Action Level.



5. WASTE MANAGEMENT

5.1 GENERAL WASTE MANAGEMENT

5.1.1 Waste management was carried out by an on-site Environmental Officer or an Environmental Supervisor from time to time.

5.2 RECORDS OF WASTE QUANTITIES

- 5.2.1 All types of waste arising from the construction work are classified into the following:
 - Construction & Demolition (C&D) Material;
 - Chemical Waste;
 - General Refuse; and
 - Excavated Soil.
- 5.2.2 The quantities of waste for disposal in this Reporting Period are summarized in *Tables 5-1* and *5-2*.

Table 5-1 Summary of Quantities of Inert C&D Materials

Type of Waste	Quantity	Disposal Location
C&D Materials (Inert) ('000m ³)	0.014	-
Reused in this Contract (Inert) ('000m ³)	0	-
Reused in other Projects (Inert) ('000m ³)	0	-
Disposal as Public Fill (Inert) ('000m ³)	0.014	TM38

Table 5-2Summary of Quantities of C&D Wastes

Type of Waste	Quantity	Disposal Location
Recycled Metal ('000kg)	20.4	Collected by metal recycling company
Recycled Paper / Cardboard Packing ('000kg)	0.013	Collected by paper recycling company
Recycled Plastic ('000kg)	0.651	Collected by plastic recycling company
Chemical Wastes ('000kg)	0	-
General Refuses ('000m ³)	0.007	NENT



6. SITE INSPECTION

6.1 REQUIREMENTS

6.1.1 According to the approved EM&A Manual, the environmental site inspection shall be formulated by ET Leader. Weekly environmental site inspections should be carried out to confirm the environmental performance.

6.2 FINDINGS / DEFICIENCIES DURING THE REPORTING PERIOD

- 6.2.1 In the Reporting Period, site inspection for the Project to evaluate site environmental performance was carried out by the ET on 3, 10, 19 and 24 February 2021. Joint site inspection was also carried out by the ER, IEC representative and the Contractor on 3, 10, 17 and 24 February 2021. No non-compliance was noted.
- 6.2.2 The findings / deficiencies of the Project observed during the weekly site inspection are listed in *Table 6-1*.

Date Findings / Deficiencies		Follow-Up Status
3 February 2021	• The Contractor was reminded to follow TPRP.	Reminder only.
10February2021	• The Contractor was reminded to remove any stagnant water accumulated on site after rainy days.	Reminder only.
19February2021	• The Contractor was reminded to follow the TPRP.	Reminder only.
24 February 2021	• The Contractor was reminded to increase the frequency of water spraying during dry seasons. (General)	Reminder only.

Table 6-1Site Observations during the Weekly Inspection



7. ENVIRONMENTAL COMPLAINT, NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTIONS

7.1 Environmental Complaint, Summons and Prosecution

7.1.1 In the Reporting Period, no environmental complaint, summons and prosecution under the EM&A Programme was lodged for the project. The statistical summary table of environmental complaint is presented in *Tables 7-1, 7-2* and *7-3*.

Table 7-1 Statistical Summary of Environmental Complaints

Donouting Dowied	Environmental Complaint Statistics								
Reporting Period	Frequency	Cumulative	Complaint Nature						
1 – 28 February 2021	0	0	NA						

Table 7-2Statistical Summary of Notification of Summons

Departing Devied	Envir	onmental Summons St	atistics	
Reporting Period	Frequency	Cumulative	Summons Nature	
1 – 28 February 2021	0	0	NA	

Table 7-3 Statistical Summary of Successful Prosecutions

Reporting Period	Environmental Prosecution Statistics									
Reporting Period	Frequency	Cumulative	Prosecution Nature							
1 – 28 February 2021	0	0	NA							



8. ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE

8.1 GENERAL REQUIREMENTS

- 8.1.1 The environmental mitigation measures that recommended in the Environmental Mitigation Implementation Schedule (EMIS) in the approved EM&A Manual covered the issues of dust, noise, water and waste and they are summarized presented in *Appendix K*.
- 8.1.2 AJAJV had been implementing the required environmental mitigation measures according to the Environmental Monitoring and Audit Manual subject to the site condition. Environmental mitigation measures generally implemented by AJAJV in this Reporting Period are summarized in *Table 8-1*.

Table 8-1	Environmental Mitigation Measures
Issues	Environmental Mitigation Measures
Water Quality	 Any wastewater generated should be appropriately treated by treatment facilities; Drainage channels were provided to convey run-off into the treatment facilities; and Drainage systems were regularly and adequately maintained.
Air Quality	 Regular watering to reduce dust emissions from all exposed site surface, particularly during dry weather; Frequent watering for particularly dusty construction areas and areas close to air sensitive receivers; Cover all excavated or stockpile of dusty material by impervious sheeting or sprayed with water to maintain the entire surface wet; Public roads around the site entrance/exit had been kept clean and free from dust; and Tarpaulin covering of any dusty materials on a vehicle leaving the site.
Noise	 Good site practices to limit noise emissions at the sources; Use of quite plant and working methods; Use of site hoarding or other mass materials as noise barrier to screen noise at ground level of NSRs; Use of shrouds/temporary noise barriers to screen noise from relatively static PMEs; Alternative use of plant items within one worksite, where practicable.
Waste Management	 Any excavated material should be reused on site as far as possible to minimize off-site disposal. Scrap metals or abandoned equipment should be recycled if possible; Waste arising should be kept to a minimum and be handled, transported and disposed of in a suitable manner; Trip ticket system for the disposal of C&D materials to any designed public filling facility and/or landfill was implemented; and Chemical waste shall be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes.
General	The site was generally kept tidy and clean.

Table 8-1 Environmental Mitigation Measures

8.2 TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH

- 8.2.1 Tentative construction activities to be undertaken in March 2021 should be included:-
 - GB Bay 3-5 construction
 - AD tank 1st pour tank wall
 - RB bunker tank construction
 - AB Bay 1 and Bay 2 construction



9. CONCLUSIONS AND RECOMMENDATIONS

9.1 CONCLUSIONS

- 9.1.1 This is the monthly EM&A report presenting the monitoring results and inspection findings for the reporting period from 1 to 28 February 2021.
- 9.1.2 In the Reporting Period, no daytime construction noise monitoring results that triggered the Limit Level were recorded and no noise complaint (which is an Action Level exceedance) was received by the Project Consultant, EPD and the Contractors.
- 9.1.3 In this Reporting Period, site inspection to evaluate the site environmental performance for the Project was carried out by the ET on 3, 10, 19 and 24 February 2021. Joint site inspection was also carried out by the ER, IEC representative and the Contractor on 3, 10, 17 and 24 February 2021. No non-compliance was noted during the site inspection.
- 9.1.4 No documented complaint, notification of summons or successful prosecution was received under the Project.

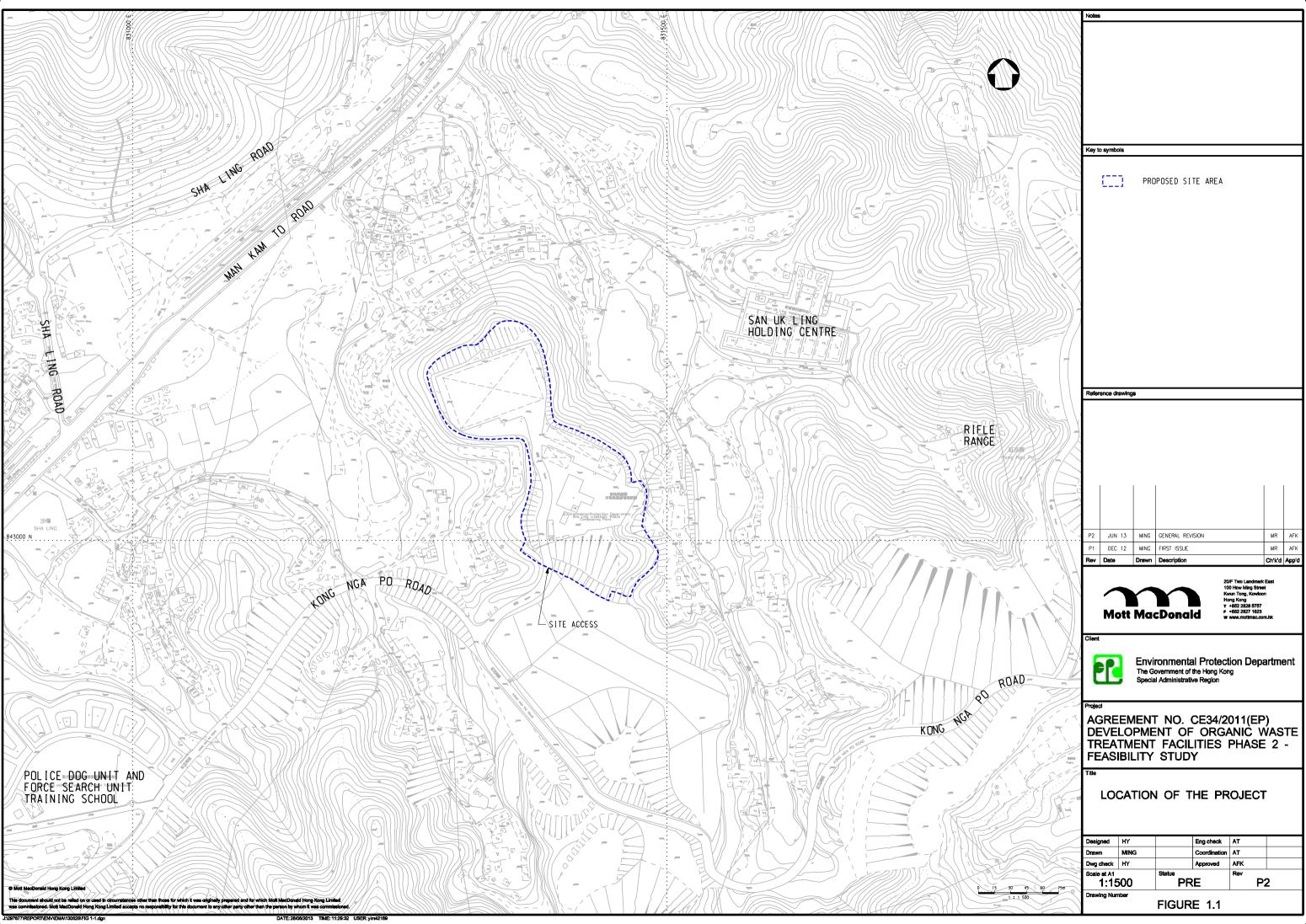
9.2 RECOMMENDATIONS

- 9.2.1 Construction noise should be a key environmental impact during the works. The noise mitigation measures such as use of quiet plants or temporary noise barrier installation at the construction noise predominated area should be implemented in accordance with the EM&A requirement.
- 9.2.2 In addition, all effluent discharge shall be ensured to fulfill the discharge licence stipulation.
- 9.2.3 All the trees proposed to be retained in-situ should be properly preserved and protected during the construction works. Tree Preservation and Protection Works for these retained trees shall follow Section 3 and 26 of CEDD's General Specification for Engineering Works and Section 26 of Contract Specification Part B.
- 9.2.4 Trees to be felled shall be in accordance with the Tree Preservation and Removal Proposal (TPRP) to be approved by relevant approval authority.
- 9.2.5 Contract Specification Part B Section 1.78 "Waste Management" and DEVB's "Guidelines on Yard Waste Reduction and Treatment" should be referred before tree removal and plan the necessary arrangement.



Appendix A

Layout plan of the Project



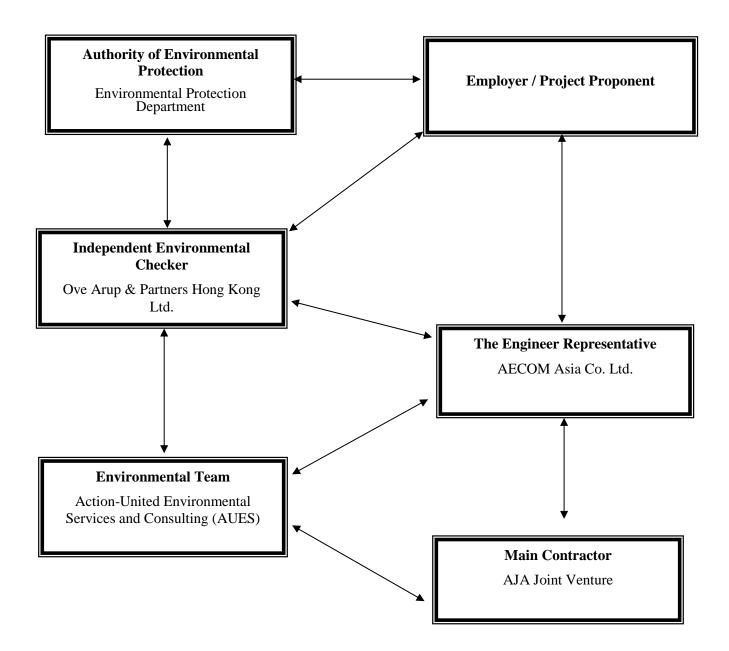


Appendix B

Organization Chart



Project Organization Chart





Organization	Project Role	Name of Key Staff	Tel No.	Fax No.
EPD	Project Proponent	Sunny Chiu	3151 7209	3528 0492
AECOM	Resident Engineer	Terrence Lam	5579 5239	3010 8507
AECOM	Resident Engineer	TY Lou	5620 4008	3010 8507
ARUP	Independent Environmental Checker	Martin Yu	2268 3206	2268 3380
ARUP	Engineer (Safety, Environment and Planning)	Kitty Lee WK	2908 4604	2268 3955
AJAJV	Project Manager	Victor Wu	2862 5013	2862 5013
AJAJV	Construction Manager	Johnny Leung	9494 0581	9494 0581
AJAJV	Project Environmental Manager	Gabriel Wong	6114 9590	6114 9590
AUES	Environmental Team Leader	T. W. Tam	2959 6059	2959 6079
AUES	Environmental Consultant	Nicola Hon	2959 6059	2959 6079
AUES	Environmental Consultant	Ben Tam	2959 6059	2959 6079
AUES	Environmental Consultant	Martin Li	2959 6059	2959 6079

Contact Details of Key Personnel for the Project

Legend:

EPD (*Employer*) – *Environmental Protection Department*

AECOM (Engineer Representative) – AECOM Asia Co. Ltd.

AJAJV (Main Contractor) – AJA Joint Venture

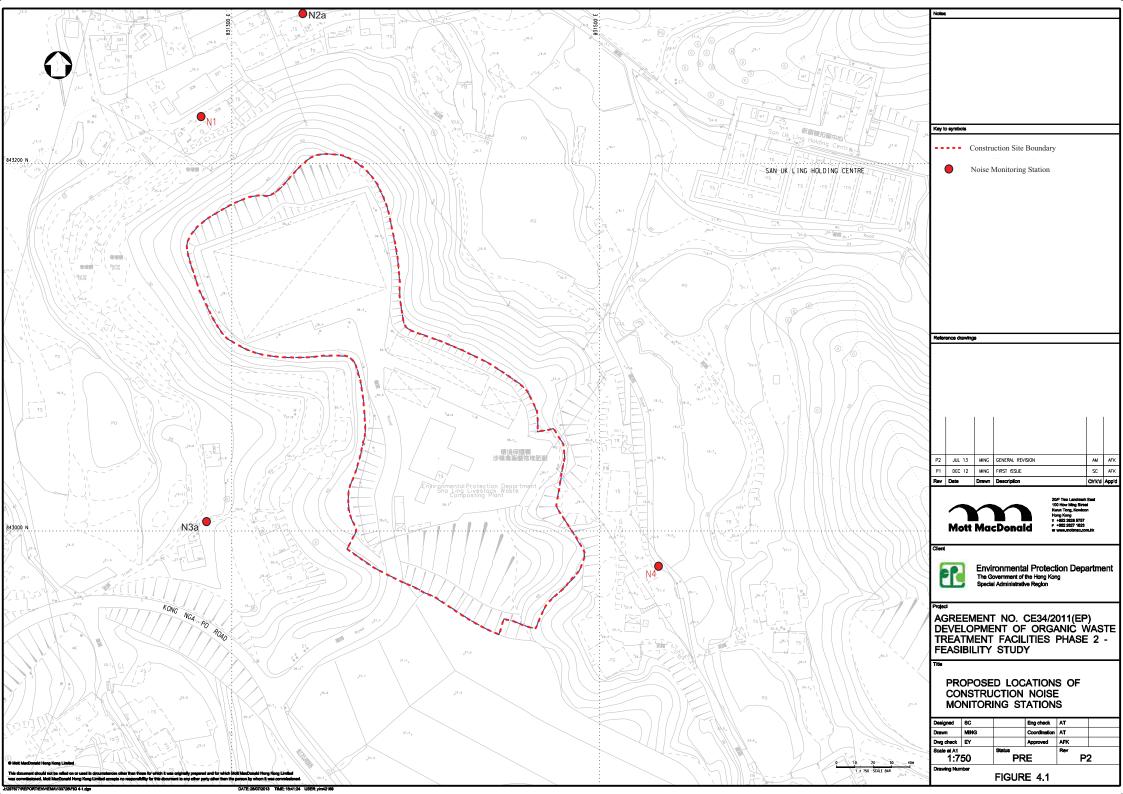
ARUP (IEC) – Ove Arup & Partners Hong Kong Ltd.

AUES (ET) – Action-United Environmental Services & Consulting



Appendix C

Monitoring Locations for Impact Monitoring





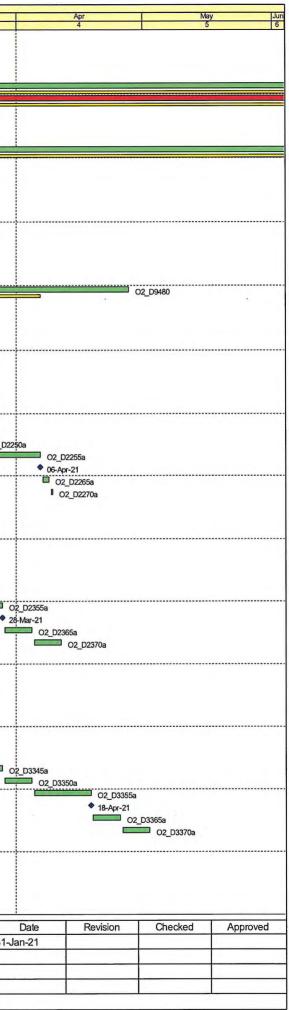
Appendix D

3-Month Rolling Construction Programme

Activity ID	Activity Name	Original	Baseline Start	Baseline Finish	Start	Finish	Total	lan	Eab	2021
		Duration	Date	Date	12 Aug 40 4	24.0	Float	Jan 1	Feb 2	Mar 3
	/SP/86/15 - ORGANIC RESOURCE RECOVERY CENTRE, PHASE 2	1474	12-Aug-19 12-Aug-19	06-Jul-23 06-Jul-23	12-Aug-19A 12-Aug-19A	24-Aug-23 24-Aug-23	0			
O2_G1000	LETTER OF ACCEPTANCE (FOT, Appdx. A)	0	12-Aug-19	06-301-23	12-Aug-19 A 12-Aug-19 A	24-AUG-23	-49	· · · · · · · · · · · · · · · · · · ·		
O2_G1020	PROJECT START - COMMENCEMENT OF WORKS (28d from LOA, FOT, Appdx A)	0	05-Sep-19		05-Sep-19A					
O2_G1040	Original Contract Construction Duration - (1004d, FOT, Appdx. A)	1004	05-Sep-19	04-Jun-22	05-Sep-19A	04-Jun-23	32			
O2_G1040a	Extended Contract Duration	1401	05-Sep-19	06-Jul-23	05-Sep-19A	06-Jul-23	0			
O2_G1060	PROJECT COMPLETION	0	05.00	06-Jul-23		24-Aug-23*	-49			
the second s	SSIONS (CONTRACT REQUIREMENTS)	800	05-Nov-19	25-May-22	05-Nov-19 A	25-May-22	349			
and the second se	L MONITORING (Clause 1.9, Specs PartA)	800 800	05-Nov-19 05-Nov-19	25-May-22 25-May-22	05-Nov-19 A	25-May-22	349 349			
O2_G3160 DESIGN	Environmental Impact Monitoring	461	02-Apr-20	23-1Vidy-22 21-Aug-21	05-Nov-19 A 02-Apr-20 A	25-May-22 22-Jul-21	536			
GRANULATION P	PROPOSAL	171	01-Jul-20	18-Dec-20	01-Jul-20 A	29-Jan-21 A				
O2_CG020	Contractor Change Proposal - Composting to Granulation - Stage 1 Approval	171	01-Jul-20	18-Dec-20	01-Jul-20 A	29-Jan-21 A			02 CG020	
DESIGN WORKS		37	15-Jul-20	28-Jul-20	01-Feb-21	09-Mar-21	38			
O2_D0110a	Hazard and Operability Review (HAZOP)	7	15-Jul-20	21-Jul-20	01-Feb-21*	07-Feb-21	38		O2_D0110a	
O2_D0120a	Construction Hazard Assessment and Identification Review (CHAIR)	30	22-Jul-20	28-Jul-20	08-Feb-21	09-Mar-21	38			02_D0120a
TEMPORARY WO	DRKS DESIGN	171	08-Nov-20	06-Apr-21	08-Nov-20 A	27-Apr-21	229	(
E6 - FOOTBRIDO		171	08-Nov-20	06-Apr-21	08-Nov-20 A	27-Apr-21	229		and the second s	
O2_D9460	Footbridge: Prepare ELS Submission	30	08-Nov-20	07-Dec-20	08-Nov-20 A	20-Feb-21	229		O2_D946	
O2_D9470	Footbridge: IC Approval on ELS	60	08-Dec-20	05-Feb-21	04-Dec-20 A	26-Feb-21	229		0	2_D9470
O2_D9480 PERMANENT WO	Footbridge: ER Approval on ELS	60 419	06-Feb-21 02-Apr-20	06-Apr-21 21-Aug-21	27-Feb-21 02-Apr-20 A	27-Apr-21 22-Jul-21	229 536			
	SIGN SUBMISSION	419	02-Apr-20	21-Aug-21 21-Aug-21	02-Apr-20 A	22-Jul-21	536			
	TURAL DESIGN REPORT & DRAWING SUBMISSION	206	09-Oct-20	17-Mar-21	18-Jul-20 A	02-May-21	456			
and the second se	FIOR BUILDING - ARCHITECTURAL WORKS	183	09-0d-20 09-0d-20	30-Jan-21	31-Dec-20 A	02-IMay-21 09-Apr-21	213			
and the second s	S & CERTIFICATION	138	09-0d-20	16-Dec-20	31-Dec-20 A	23-Feb-21	213			
O2 D2225a	Submit further information for the re-submitted ADR for Reception Building to IC (Clause 5.4.3.9, Specs Part A)*	53	09-0d-20	30-Nov-20	31-Dec-20 A	07-Feb-21	213		O2 D2225a	
O2_D2230a	IC Certify ADR for Reception Building (Clause 5.4.3.9, Specs Part A) *	14	01-Dec-20	14-Dec-20	08-Feb-21	21-Feb-21	213		02_0223	30a
O2_D2235a	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A) *	2	15-Deo-20	16-Dec-20	22-Feb-21	23-Feb-21	213		□ O2_D	
EMPLOYER's	CONSENT	45	17-Dec-20	30-Jan-21	24-Feb-21	09-Apr-21	213			
O2_D2240a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	17-Dec-20	23-Dec-20	24-Feb-21	02-Mar-21	213			O2_D2240a
O2_D2245a	ER Comment on the submitted ADR for Reception Building (Clause 5.4.3.17.c, Specs Part A)	14	24-Dec-20	06-Jan-21	03-Mar-21	16-Mar-21	213			02_D2245a
O2_D2250a	Submit further information for the submitted ADR for Reception Building to ER (Clause 5.4.3.19, Specs Part A)	7	07-Jan-21	13-Jan-21	17-Mar-21	23-Mar-21	213			O2_D2
O2_D2255a	ER Comment on the re-submitted ADR for Reception Building (Clause 5.4.3.17.a, Specs Part A	14	14-Jan-21	27-Jan-21	24-Mar-21	06-Apr-21	213			and the second sec
O2_D2260a	ER Consented ADR for Reception Building (Clause 5.4.3.17.a, Specs Part A)	0		27-Jan-21		06-Apr-21	213	8		
O2_D2265a	Submit Two Complete Sets ADR for Reception Building to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	2	28-Jan-21	29-Jan-21	07-Apr-21	08-Apr-21	213	é		
O2_D2270a	Design Registered - ADR for Reception Building	1	30-Jan-21	30-Jan-21	09-Apr-21	09-Apr-21	213	h		
and the second s	LATION BUILDING - ARCHITECTURAL WORKS	80	20-Dec-20 20-Dec-20	06-Mar-21	08-Dec-20 A	11-Apr-21	180 180			
O2_D2330a	S & CERTIFICATION IC Certify ADR for Granulation Building (Clause 5.4.3.9, Specs Part A)	14	20-Dec-20 20-Dec-20	09-Jan-21 02-Jan-21	08-Dec-20 A 08-Dec-20 A	14-Feb-21	180		00 0000	
O2_D2330a	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	7	03-Jan-21	02-Jan-21	08-Feb-21	07-Feb-21 14-Feb-21	180		O2_D2330a O2_D2335a	
EMPLOYER's		56	10-Jan-21	06-Mar-21	15-Feb-21	11-Apr-21	180			
O2_D2340a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	10-Jan-21	16-Jan-21	15-Feb-21	21-Feb-21	180		O2_D234	10a
O2_D2345a	ER Comment on the submitted ADR for Granulation Building (Clause 5.4.3.17.c, Specs Part A)	14	17-Jan-21	30-Jan-21	22-Feb-21	07-Mar-21	180			O2_D2345a
O2_D2350a	Submit further information for the submitted ADR for Granulation Building to ER (Clause 5.4.3.19, Specs Part A)	7	31-Jan-21	06-Feb-21	08-Mar-21	14-Mar-21	180		b been a set they be set to	O2_D2350a
O2_D2355a	ER Comment on the re-submitted ADR for Granulation Building (Clause 5.4.3.17.a, Specs Part A)	14	07-Feb-21	20-Feb-21	15-Mar-21	28-Mar-21	180			
O2_D2360a	ER Consented ADR for Granulation Building (Clause 5.4.3.17.a, Specs Part A)	0		20-Feb-21		28-Mar-21	180		*	• :
O2_D2365a	Submit Two Complete Sets ADR for Granulation Building to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	21-Feb-21	27-Feb-21	29-Mar-21	04-Apr-21	180			
O2_D2370a	Design Registered - ADR for Granulation Building	7	28-Feb-21	06-Mar-21	05-Apr-21	11-Apr-21	180		-	
A State of the sta	RIDGEWALKWAY - ARCHITECTURAL WORKS	151	03-Dec-20	17-Mar-21	18-Jul-20 A	02-May-21	456			
	3 & CERTIFICATION	95	03-Dec-20	20-Jan-21	18-Jul-20 A	07-Mar-21	456			
O2_D3315a	Submit further information for the submitted ADR for Footbridge Building to IC (Clause 5.4.3.9, Spece Part A)	7	03-Dec-20	09-Dec-20	18-Jul-20A	28-Jan-21 A		02	_D3315a	
O2_D3320a O2_D3325a	IC Comment on the re-submitted ADR for Footbridge Building (Clause 5.4.3.9, Specs Part A) Submit further information for the re-submitted ADR for Footbridge Building to IC (Clause 5.4.3.9, Specs Part A)	14	10-Dec-20 24-Dec-20	23-Dec-20 30-Dec-20	29-Jan-21 A 08-Feb-21	07-Feb-21 14-Feb-21	456		O2_D3320a	
O2_D3325a O2_D3330a	IC Certify ADR for Footbridge Building (Clause 5.4.3.9, Specs Part A)	14	24-Dec-20 31-Dec-20	30-Dec-20 13-Jan-21	08-Feb-21 15-Feb-21	14-Feb-21 28-Feb-21	456	-	O2_D3325a	O2 D3330a
O2_D3335a	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	7	14-Jan-21	20-Jan-21	01-Mar-21	07-Mar-21	456			02_D3330a 02_D3335a
EMPLOYER's		56	21-Jan-21	17-Mar-21	08-Mar-21	02-May-21	456			02_00008
O2_D3340a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	21-Jan-21	27-Jan-21	08-Mar-21	14-Mar-21	456			O2_D3340a
O2_D3345a	ER Comment on the submitted ADR for Footbridge Building (Clause 5.4.3.17.c, Specs Part A)	14	28-Jan-21	10-Feb-21	15-Mar-21	28-Mar-21	456			
O2_D3350a	Submit further information for the submitted ADR for Footbridge Building to ER (Clause 5.4.3.19, Specs Part A)	7	11-Feb-21	17-Feb-21	29-Mar-21	04-Apr-21	456	V		
O2_D3355a	ER Comment on the re-submitted ADR for Footbridge Building (Clause 5.4.3.17.a, Specs Part A)	14	18-Feb-21	03-Mar-21	05-Apr-21	18-Apr-21	456			_
O2_D3360a	ER Consented ADR for Footbridge Building (Clause 5.4.3.17.a, Specs Part A)	0		03-Mar-21		18-Apr-21	456			•
O2_D3365a	Submit Two Complete Sets ADR for Footbridge Building to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	04-Mar-21	10-Mar-21	19-Apr-21	25-Apr-21	456			
O2_D3370a	Design Registered - ADR for Footbridge Building	7	11-Mar-21	17-Mar-21	26-Apr-21	02-May-21	456			
and the second s	OUSE - ARCHITECTURAL WORKS	137	10-Dec-20	17-Mar-21	30-Dec-20 A	25-Apr-21	371			
	S & CERTIFICATION	81	10-Dec-20	20-Jan-21	30-Dec-20 A	28-Feb-21	371			
02_D3420a	IC Comment on the re-submitted ADR for Pump House (Clause 5.4.3.9, Spece Part A)	14	10-Dec-20	23-Dec-20	30-Dec-20 A	13-Jan-21 A		02_D3420a		
O2_D3425a O2_D3430a	Submit further information for the re-submitted ADR for Pump House to IC (Clause 5.4.3.9, Specs Part A) IC Certify ADR for Pump House (Clause 5.4.3.9, Specs Part A)	14	24-Dec-20 31-Dec-20	30-Dec-20 13-Jan-21	14-Jan-21 A 08-Feb-21	07-Feb-21	371		O2_D3425a	20-
O2_D3430a O2_D3435a	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	7	31-Dec-20 14-Jan-21	20-Jan-21	22-Feb-21	21-Feb-21 28-Feb-21	371		O2_D343	0a 02_D3435a
			1	20 001-21		20100-21	UT			02_004008
		iring Walk					Cont	ract No. EP/SP/80	6/15	
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IPE	Task filter: TASK filters: 3MNM, 3MRPWP2.	(Effort			0	rganic V	vaste	e Treatment Facil	ities, Phase 2	
JEL V	Date Printed: 22-Feb-21	/ Baseline				W	orks	Programme 2nd	Issue	
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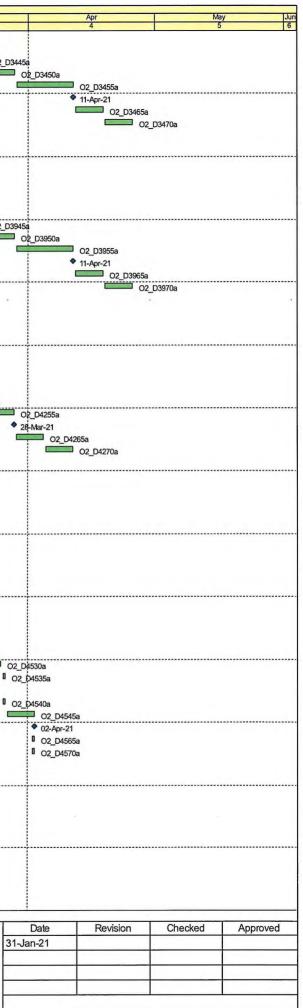
ctivity ID	Activity Name	Original Duration	Baseline Start Date	Baseline Finish Date	Start	Finish	Total Float	Jan	Feb	2021 Mar
					01.14-01	05.4.04		1	2	3
EMPLOYER's O2_D3440a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	56	21-Jan-21	17-Mar-21	01-Mar-21	25-Apr-21	371			
O2_D3440a O2_D3445a	ER Comment on the submitted ADR for Pump House (Clause 5.4.3.17.c, Specs Part A)	14	21-Jan-21 28-Jan-21	27-Jan-21 10-Feb-21	01-Mar-21 08-Mar-21	07-Mar-21 21-Mar-21	371			02_D3440a
O2_D3450a	Submit further information for the submitted ADR for Pump House to ER (Clause 5.4.3.19, Specs Part A)	7	11-Feb-21	17-Feb-21	22-Mar-21	21-Mar-21 28-Mar-21	371	The second se		O2_D3445a
O2_D3455a	ER Comment on the re-submitted ADR for Pump House (Clause 5.4.3.17.a, Specs Part A)	14	18-Feb-21	03-Mar-21	29-Mar-21	11-Apr-21	371			
O2_D3460a	ER Consented ADR for Pump House (Clause 5.4.3.17.a, Specs Part A)	0		03-Mar-21		11-Apr-21	371			~
O2_D3465a	Submit Two Complete Sets ADR for Pump House to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	04-Mar-21	10-Mar-21	12-Apr-21	18-Apr-21	371			×
O2_D3470a	Design Registered - ADR for Pump House	7	11-Mar-21	17-Mar-21	19-Apr-21	25-Apr-21	371			
C1.7 - ANCILLIA	ARY FACILITIES - ARCHITECTURAL WORKS	123	24-Deo-20	17-Mar-21	14-Nov-20 A	25-Apr-21	261			
	& CERTIFICATION	67	24-Dec-20	20-Jan-21	14-Nov-20 A	28-Feb-21	261			
O2_D3925a	Submit further information for the re-submitted ADR for Andiliary Facilities to IC (Clause 5.4.3.9, Specs Part A)	7	24-Dec-20	30-Dec-20	14-Nov-20 A	07-Feb-21	261		O2_D3925a	
O2_D3930a	IC Certify ADR for Anciliary Facilities (Clause 5.4.3.9, Specs Part A)	14	31-Deo-20	13-Jan-21	08-Feb-21	21-Feb-21	261		O2_D39	30a
O2_D3935a	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	7	14-Jan-21	20-Jan-21	22-Feb-21	28-Feb-21	261			O2_D3935a
and the second se	CONSENT	56	21-Jan-21	17-Mar-21	01-Mar-21	25-Apr-21	261			
O2_D3940a O2_D3945a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A) ER Comment on the submitted ADR for Anciliary Facilities (Clause 5.4.3.17.c, Specs Part A)	7	21-Jan-21 28-Jan-21	27-Jan-21 10-Feb-21	01-Mar-21	07-Mar-21	261 261			O2_D3940a
O2_D3945a	Submit further information for the submitted ADR for Ancillary Facilities to ER (Clause 5.4.3.17), Specs Part A)	7	20-Jan-21 11-Feb-21	10-Feb-21 17-Feb-21	08-Mar-21 22-Mar-21	21-Mar-21 28-Mar-21	261	-		O2_D3945a
O2_D3955a	ER Comment on the re-submitted ADR for Andliary Facilities (Clause 5.4.3.17.a, Specs Part A)	14	18-Feb-21	03-Mar-21	22-Mar-21	20-iviar-21 11-Apr-21	201			0
O2_D3960a	ER Consented ADR for Anciliary Facilities (Clause 5.4.3.17.a, Spece Part A)	0	101 00 21	03-Mar-21	25-1460-21	11-Apr-21	261			-
O2_D3965a	Submit Two Complete Sets ADR for Anciliary Facilities to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	04-Mar-21	10-Mar-21	12-Apr-21	18-Apr-21	261			<u> </u>
O2 D3970a	Design Registered - ADR for Anciliary Facilities	7	11-Mar-21	17-Mar-21	19-Apr-21	25-Apr-21	261			
C2 - LANDSCAP	ING DESIGN REPORT (INCL. IRRIGATION DESIGN) & DRAWING SUBMISSION	109	24-Dec-20	17-Mar-21	12-Nov-20 A	- 11-Apr-21	309			_
press and a second second second second	& CERTIFICATION	53	24-Dec-20	20-Jan-21	12-Nov-20 A	14-Feb-21	309			
O2_D4225a	Submit further information for the re-submitted Landscaping to IC (Clause 5.4.3.9, Specs Part A)	7	24-Dec-20	30-Dec-20	12-Nov-20 A	21-Jan-21 A		O2 D4225	a	
O2_D4230a	IC Certify Landscaping (Clause 5.4.3.9, Specs Part A)	14	31-Dec-20	13-Jan-21	22-Jan-21 A	07-Feb-21	309	02_0422	O2 D4230a	
02_D4235a	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	7	14-Jan-21	20-Jan-21	08-Feb-21	14-Feb-21	309		O2 D4235a	
EMPLOYER's C	CONSENT	56	21-Jan-21	17-Mar-21	15-Feb-21	11-Apr-21	309			
02_D4240a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	21-Jan-21	27-Jan-21	15-Feb-21	21-Feb-21	309		02_D42	40a
02_D4245a	ER Comment on the submitted Landscaping (Clause 5.4.3.17.c, Specs Part A)	14	28-Jan-21	10-Feb-21	22-Feb-21	07-Mar-21	309			O2_D4245a
O2_D4250a	Submit further information for the submitted Landscaping to ER (Clause 5.4.3.19, Specs Part A)	7	11-Feb-21	17-Feb-21	08-Mar-21	14-Mar-21	309	~		O2_D4250a
02_D4255a	ER Comment on the re-submitted Landscaping (Clause 5.4.3.17.a, Specs Part A)	14	18-Feb-21	03-Mar-21	15-Mar-21	28-Mar-21	309			
02_D4260a	ER Consented Landscaping (Clause 5.4.3.17.a, Specs Part A)	0		03-Mar-21		28-Mar-21	309			• 28
O2_D4265a	Submit Two Complete Sets Landscaping to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	04-Mar-21	10-Mar-21	29-Mar-21	04-Apr-21	309			
02_D4270a	Design Registered - Landscaping	7	11-Mar-21	17-Mar-21	05-Apr-21	11-Apr-21	309			
	STRUCTURE DESIGN REPORT, CALCULATIONS, SPECIFICATIONS & DRAWING SUBMISSION	419	02-Apr-20	30-Mar-21	02-Apr-20 A	04-Jun-21	415			
and the second second second	STRATION BUILDING - FOOTING	94	17-Nov-20	15-Deo-20	17-Nov-20 A	18-Feb-21	127			
and the second second second second	& CERTIFICATION	84	17-Nov-20	05-Dec-20	17-Nov-20 A	08-Feb-21	127	· · · · · · · · · · · · · · · · · · ·		
O2_D5130a	Submit further information for the re-submitted Reception Building - Footing to IC (Clause 5.4.3.9, Specs Part A)	10	17-Nov-20	26-Nov-20	17-Nov-20 A	28-Jan-21 A		C	2_D5130a	
O2_D5135a	IC Certify Reception Building - Footing (Clause 5.4.3.9, Specs Part A)	8	27-Nov-20	04-Deo-20	11-Dec-20 A	07-Feb-21	127		O2_D5135a	
O2_D5140a	Obtain Design Check Certificate & Method of Construction Check Certificate (5.4.3.11 & 5.4.3.12, Specs Part A)	1	05-Dec-20	05-Deo-20	08-Feb-21	08-Feb-21	127		02_D5140a	
EMPLOYER'S		11	05-Dec-20	15-Dec-20	08-Feb-21	18-Feb-21	127			
02_D5150a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	1	05-Dec-20	05-Deo-20	08-Feb-21	08-Feb-21	127		02_D5150a	
O2_D5155a O2_D5160a	ER Comment on the submitted Reception Building - Footing (Clause 5.4.3.17.c, Specs Part A) ER Consented Reception Building - Footing (Clause 5.4.3.17.a, Specs Part A)	9	06-Dec-20	14-Dec-20	09-Feb-21	17-Feb-21	127		O2_D5155a	
O2_D5165a	Submit Two Complete Sets Reception Building - Fooling to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	1	15-Dec-20	14-Dec-20 15-Dec-20	18-Feb-21	17-Feb-21 18-Feb-21	127		• 17-Feb-21	
O2_D5270a	Design Registered - Reception Building - Footing	1	15-Dec-20	15-Dec-20	18-Feb-21	18-Feb-21	127		02_D5165a	
And the state of t	ON BUILDING - SUPERSTRUCTURE	206	09-Sep-20	01-Dec-20	12-Nov-20 A	02-Apr-21	47		0 O2_D5270a	
the second se	& CERTIFICATION	199	09-Sep-20	24-Nov-20	12-Nov-20 A	26-Mar-21	47			
O2_D4520a	IC Comment on the re-submitted Reception Building - Supertructure (Clause 5.4.3.9, Specs Part A) *	24	09-Sep-20	02-Oct-20	12-Nov-20 A	01-Feb-21	47		O2 D4520a	
O2 D4525a	Submit further information for the re-submitted Reception Building - Supertructure to IC (Clause 5.4.3.9, SpecsPart A) *	30	03-Oct-20	01-Nov-20	02-Feb-21	03-Mar-21	47		02_043208	O2 D4525a
O2_D4530a	IC Certify Reception Building - Supertructure (Clause 5.4.3.9, Specs Part A) *	22	02-Nov-20	23-Nov-20	04-Mar-21	25-Mar-21	47			02_D45253
O2_D4535a	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	1	24-Nov-20	24-Nov-20	26-Mar-21	26-Mar-21	47			I 02_0
EMPLOYER'S		8	24-Nov-20	01-Dec-20	26-Mar-21	02-Apr-21	47			02_
O2_D4540a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	1	24-Nov-20	24-Nov-20	26-Mar-21	26-Mar-21	47			0 O2_0
O2_D4545a	ER Comment on the submitted Reception Building - Supertructure (Clause 5.4.3.17.c, Specs Part A)	7	25-Nov-20	01-Dec-20	27-Mar-21	02-Apr-21	47			
O2_D4560	ER Consented Reception Building - Supertructure (Clause 5.4.3.17.a, Specs Part A)	0		01-Dec-20		02-Apr-21	47			
O2_D4565a	Submit Two Complete Sets Reception Bldg - Supertructure to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	1	01-Dec-20	01-Dec-20	02-Apr-21	02-Apr-21	47			
O2_D4570a	Design Registered - Reception Building - Supertructure	1	01-Dec-20	01-Dec-20	02-Apr-21	02-Apr-21	47			
C3.3 - GRANUL	ATION BUILDING - FOUNDATION	121	08-Oct-20	20-Dec-20	19-Jun-20 A	03-Feb-21	-3			
IC CHECKING	& CERTIFICATION	121	08-Oct-20	18-Dec-20	19-Jun-20 A	01-Feb-21	-3			
O2_D2616a	Submit further information for the re-submitted Granulation Building - Footing to IC (Clause 5.4.3.9, Specs Part A)	13	08-Oct-20	20-Oct-20	19-Jun-20 A	27-Jan-21 A		02	D2616a	
O2_D2618b	Dewatering & Granulation System Submission (C5.7)	0		27-Nov-20		03-Dec-20 A				
O2_D2618d	Confirmation of Final CAPCS Loading (C5.9)	• 0		27-Nov-20		04-Dec-20 A				
O2_D2620	IC Certify Granulation Building - Footing (Clause 5.4.3.9, Specs Part A)	18	01-Dec-20	18-Dec-20	28-Jan-21 A	01-Feb-21	-45		O2_D2620	
O2_D2630	Obtain Design Check Certificate & Method of Construction Check Certificate (5.4.3.11 & 5.4.3.12, Specs Part A)	1	18-Dec-20	18-Dec-20	01-Feb-21	01-Feb-21	-3		O2_D2630	
EMPLOYER'S		2	19-Dec-20	20-Dec-20	02-Feb-21	03-Feb-21	-3			
O2_D2640	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	1	19-Dec-20	19-Dec-20	02-Feb-21	02-Feb-21	-3		02_D2640	
02_D2642a	ER Comment on the submitted Granulation Building - Footing (Clause 5.4.3.17.c, Specs Part A)	1	20-Deo-20	20-Dec-20	03-Feb-21	03-Feb-21	-3		02_D2642a	
O2_D2650	ER Consented Granulation on Building - Fooling (Clause 5.4.3.17.a, Specs Part A) Submit Two Complete Sets Granulation Building - Ecotion to IC, ER for Peoridar Decise (Clause 5.4.3.22, Spece Part A)	0	20 0 00	20-Dec-20	02 5-1 64	03-Feb-21	-3		• 03-Feb-21	
O2_D2660	Submit Two Complete Sets Granulation Building - Footing to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	1	20-Dec-20	20-Dec-20	03-Feb-21	03-Feb-21	-3		02_D2660	
			1				-			
		ringWak ningWak (Critical)				(Cont	ract No. EP/SP/8	36/15	
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	Date Printed: 22-Feb-21	y Bandine				We	orks	Programme 2nd	Issue	L
		a Martine	1							

AJA JOINT VENTURE Page 2 of 13

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Pirmary Baseline Pirmary Baseline Milestone Stat Milestone

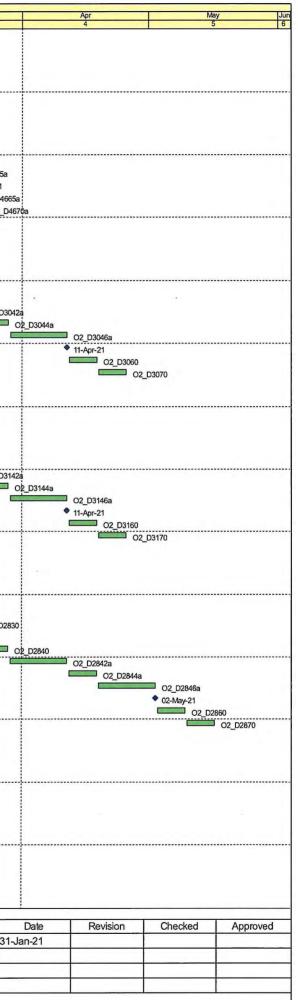
Works Programme 2nd Issue 3-Months Rolling Programme



	Activity Name	Original Duration	Baseline Start Date	Baseline Finish Date	Start	Finish	Total Float	Jan 1	Feb	2021 Mar
_D2670	Design Registered - Granulation Building - Footing	1	20-Dec-20	20-Dec-20	03-Feb-21	03-Feb-21	-3		02_D2670	3
GRANULAT	ION BUILDING - SUPERSTRUCTURE	136	07-Nov-20	01-Feb-21	31-Oct-20 A	22-Mar-21	-49			
ECKING & C	CERTIFICATION	115	07-Nov-20	11-Jan-21	31-Oct-20 A	01-Mar-21	-49			
Da	IC Comment on the re-submitted Granulation Building - Superstructure (Clause 5.4.3.9, Specs Part A) *	15	07-Nov-20	21-Nov-20	31-Od-20 A	05-Feb-21	-49		O2_D4620a	
	Submit further information for the re-submitted Granulation Bldg - Superstructure to IC (Clause 5.4.3.9, Specs Part A)	7	22-Nov-20	28-Nov-20	06-Feb-21	12-Feb-21	-49		O2_D4625a	
	Dewatering & Granulation System Submission (C5.7)	0		27-Nov-20		03-Dec-20 A			_	
	Centralized Air Pollution Control System (C5.9)	0		27-Dec-20	Lane and d	04-Dec-20 A		20A	a contraction of the second seco	
	IC Certify Granulation Building - Superstructure (Clause 5.4.3.9, Specs Part A)	14	26-Dec-20	08-Jan-21	13-Feb-21	26-Feb-21	-49			2_D4630a
	Obtain Design Check Certificate & Method of Construction Check Certificate (5.4.3.11 & 5.4.3.12, Specs Part A)	3	09-Jan-21	11-Jan-21	27-Feb-21	01-Mar-21	-49		-	O2_D4635a
	DNSENT	21	12-Jan-21	01-Feb-21	02-Mar-21	22-Mar-21	-49			
	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	2	12-Jan-21	13-Jan-21	02-Mar-21	03-Mar-21	-49	F		O2_D4640a
	ER Comment on the submitted Granulation Building - Superstructure (Clause 5.4.3.17.c, Specs Part A)	14	14-Jan-21	27-Jan-21	04-Mar-21	17-Mar-21	-49			O2_D4645a
	ER Consented Granulation Building - Superstructure (Clause 5.4.3.17.a, Specs Part A)	0	00 1 04	27-Jan-21	10.14.04	17-Mar-21	-49	0		17-Mar-21
	Submit Two Complete Sets Granulation Bldg - Superstructure to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A) Design Registered - Granulation Building - Superstructure	3	28-Jan-21 31-Jan-21	30-Jan-21 01-Feb-21	18-Mar-21	20-Mar-21	-49	€		O2_D466
-	GE - FOUNDATION	183	25-Oct-20	16-Jan-21	21-Mar-21 16-Jul-20 A	22-Mar-21	-49		}	O2_D4
	CERTIFICATION	127	25-0d-20 25-0d-20	21-Nov-20	16-Jul-20A	25-Apr-21	231			
	Submit further information for the re-submitted Footbridge - Footing to IC (Clause 5.4.3.9, Specs Part A)	7	25-0d-20 25-0d-20	31-Oct-20		28-Feb-21	231			
	IC Certify Footbridge - Footing (Clause 5.4.3.9, Specs Part A)	14	01-Nov-20	14-Nov-20	16-Jul-20 A 08-Feb-21	07-Feb-21	231		O2_D3016a	
	Obtain Design Check Certificate & Method of Construction Check Certificate (5.4.3.11 & 5.4.3.12, Specs Part A)	7	15-Nov-20	21-Nov-20	22-Feb-21	21-Feb-21 28-Feb-21	231		O2_D30	
-	NSENT	56	22-Nov-20	16-Jan-21	01-Mar-21	25-Apr-21	231			O2_D3030
	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	22-Nov-20	28-Nov-20	1					00 0000
	ER Comment on the submitted Footbridge - Footing (Clause 5.4.3.17, c, Specs Part A)	14			01-Mar-21	07-Mar-21	231		1	O2_D3040
		14	29-Nov-20	12-Dec-20	08-Mar-21	21-Mar-21	231			O2_D30
	Submit further information for the submitted Footbridge - Footing to ER (Clause 5.4.3.19, Specs Part A) ER Comment on the re-submitted Footbridge - Footing (Clause 5.4.3.17 a, Specs Part A)		13-Dec-20	19-Dec-20	22-Mar-21	28-Mar-21	231			, 1
	ER Comment on the re-submitted Footbridge - Footing (Clause 5.4.3.17.a, Specs Part A) ER Consented Footbridge - Footing (Clause 5.4.3.17.a, Specs Part A)	14	20-Dec-20	02-Jan-21	29-Mar-21	11-Apr-21	231			
	Submit Two Complete Sets Footbridge - Footing to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	03. Inn 24	02-Jan-21	12 Are 24	11-Apr-21	231		-	
			03-Jan-21	09-Jan-21	12-Apr-21	18-Apr-21	231		1	
and the second	Design Registered - Footbridge - Footing	7	10-Jan-21	16-Jan-21	19-Apr-21	25-Apr-21	231		1	
	GE - SUPERSTRUCTURE	183	25-Oct-20	16-Jan-21	08-Aug-20 A	25-Apr-21	231			
Pierre Pierre	CERTIFICATION	127	25-Od-20	21-Nov-20	08-Aug-20 A	28-Feb-21	231			
	Submit further information for the re-submitted Footbridge - Superstructure to IC (Clause 5.4.3.9, Specs Part A)	7	25-0d-20	31-Oct-20	08-Aug-20 A	07-Feb-21	231		O2_D3116a	
	IC Certify Footbridge - Superstructure (Clause 5.4.3.9, Specs Part A)	14	01-Nov-20	14-Nov-20	08-Feb-21	21-Feb-21	231		O2_D312	20
	Obtain Design Check Certificate & Method of Construction Check Certificate (5.4.3.11 & 5.4.3.12, Specs Part A)	7	15-Nov-20	21-Nov-20	22-Feb-21	28-Feb-21	231			O2_D3130
's CO	NSENT	56	22-Nov-20	16-Jan-21	01-Mar-21	25-Apr-21	231			
	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	22-Nov-20	28-Nov-20	01-Mar-21	07-Mar-21	231			O2_D3140
	ER Comment on the submitted Footbridge - Superstructure (Clause 5.4.3.17.c, Specs Part A)	14	29-Nov-20	12-Dec-20	08-Mar-21	21-Mar-21	231			O2_D314
4a	Submit further information for the submitted Footbridge - Superstructure to ER (Clause 5.4.3.19, Specs Part A)	7	13-Dec-20	19-Dec-20	22-Mar-21	28-Mar-21	231			
5a	ER Comment on the re-submitted Footbridge - Superstructure (Clause 5.4.3.17.a, Specs Part A)	14	20-Dec-20	02-Jan-21	29-Mar-21	11-Apr-21	231		1	Ţ
	ER Consented Footbridge - Superstructure (Clause 5.4.3.17.a, Specs Part A)	0		02-Jan-21		11-Apr-21	231			
	Submit Two Complete Sets Footbridge - Superstructure to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	03-Jan-21	09-Jan-21	12-Apr-21	18-Apr-21	231			
-	Design Registered - Footbridge - Superstructure	7	10-Jan-21	16-Jan-21	19-Apr-21	25-Apr-21	231	5		
HOUS	SE - SUPERSTRUCTURE	175	23-Nov-20	07-Mar-21	08-Aug-20 A	16-May-21	142			
NG&C	CERTIFICATION	119	23-Nov-20	10-Jan-21	08-Aug-20A	21-Mar-21	142			
2a	Submit further information for the submitted Pump House - Superstructure to IC (Clause 5.4.3.9, Specs Part A)	7	23-Nov-20	29-Nov-20	08-Aug-20 A	07-Feb-21	142		O2_D2812a	
	IC Comment on the re-submitted Pump House - Superstructure (Clause 5.4.3.9, Specs Part A)	14	30-Nov-20	13-Dec-20	08-Feb-21	21-Feb-21	142		02_020124	14a
	Submit further information for the re-submitted Pump House - Superstructure to IC (Clause 5.4.3.9, Specs Part A)	7	14-Dec-20	20-Dec-20	22-Feb-21	28-Feb-21	142			02_D2816a
	IC Certify Pump House - Superstructure (Clause 5.4.3.9, Specs Part A)	14	21-Dec-20	03-Jan-21	01-Mar-21	14-Mar-21	142			O2_D2810a
	Obtain Design Check Certificate & Method of Construction Check Certificate (5.4.3.11 & 5.4.3.12, Specs Part A)	7	04-Jan-21	10-Jan-21	15-Mar-21	21-Mar-21	142			O2_D282
YER's CO	NSENT	56	11-Jan-21	07-Mar-21	22-Mar-21	16-May-21	142			02_020
	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	11-Jan-21	17-Jan-21	22-Mar-21	28-Mar-21	142			
	ER Comment on the submitted Pump House - Superstructure (Clause 5.4.3.17.c, Specs Part A)	14	18-Jan-21	31-Jan-21	29-Mar-21	11-Apr-21	142		••	γ
	Submit further information for the submitted Pump House - Superstructure to ER (Clause 5.4.3.19, Specs Part A)	7	01-Feb-21	07-Feb-21	12-Apr-21	18-Apr-21	142			
	ER Comment on the re-submitted Pump House - Superstructure (Clause 5.4.3.17.a, Specs Part A)	14	08-Feb-21	21-Feb-21	19-Apr-21	02-May-21	142			
	ER Consented Pump House - Superstructure (Clause 5.4.3.17.a, Specs Part A)	0	0010021	21-Feb-21	12.241-21	02-May-21	142			
and the second s	Submit Two Complete Sets Pump House - Superstructure to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	22-Feb-21	28-Feb-21	03-May-21	02-May-21	142		•	
	Design Registered - Pump House - Superstructure	7	01-Mar-21	07-Mar-21	10-May-21	16-May-21	142			
- martinete	& BOUNDARY WALL - SUPERSTRUCTURE	189	12-Aug-20	01-Dec-20	30-Dec-20 A	16-Feb-21	142		1 -	
	CERTIFICATION	181	12-Aug-20	23-Nov-20	30-Dec-20 A	08-Feb-21	41			
	IC Certify AD Tanks & Boundary Wall - Superstructure (Clause 5.4.3.9, Specs Part A)		and the second states of	the standard in the second	and the second second	and the second second	-41			
		103	12-Aug-20	22-Nov-20	30-Dec-20 A	07-Feb-21	-41		O2_D2920	
	Obtain Design Check Certificate & Method of Construction Check Certificate (5.4.3.11 & 5.4.3.12, Specs Part A)	1	23-Nov-20	23-Nov-20	08-Feb-21	08-Feb-21	-41		O2_D2930	
	NSENT Submit Decime Charly Continents & Mathed of Construction Charly Continents to ED (Clause 5 4/2 46, Second Deci A)	9	23-Nov-20	01-Deo-20	08-Feb-21	16-Feb-21	-41			
	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	1	23-Nov-20	23-Nov-20	08-Feb-21	08-Feb-21	-41		O2_D2940	
	ER Comment on the submitted AD Tanks & Boundary Wall - Superstructure (Clause 5.4.3.17.c, Specs Part A)	7	24-Nov-20	30-Nov-20	09-Feb-21	15-Feb-21	-41		O2_D2942a	
	ER Consented AD Tanks & Boundary Wall - Superstructure (Clause 5.4.3.17.a, Specs Part A)	0		30-Nov-20		15-Feb-21	-41		• 15-Feb-21	
	Submit Two Complete Sets ADT & BW - Superstructure to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	1	01-Dec-20	01-Dec-20	16-Feb-21	16-Feb-21	-41		O2_D2960	
THE R. D. LEWIS CO., NAME OF TAXABLE	Design Registered - AD Tanks & Boundary Wall - Superstructure	1	01-Dec-20	01-Dec-20	16-Feb-21	16-Feb-21	-41		O2_D2970	
	KWAYS - SUPERSTRUCTURE	196	02-Nov-20	14-Feb-21	04-Aug-20 A	16-May-21	329			
and in case of the local division of the	CERTIFICATION	140	02-Nov-20	20-Deo-20	04-Aug-20 A	21-Mar-21	329			
	Submit further information for the submitted Tanks Walkways - Superstructure to IC (Clause 5.4.3.9, Specs Part A)	7	02-Nov-20	08-Nov-20	04-Aug-20 A	07-Feb-21	329		O2_D3615a	
620a I	IC Comment on the re-submitted Tanks Walkways - Superstructure (Clause 5.4.3.9, Specs Part A)	14	09-Nov-20	22-Nov-20	08-Feb-21	21-Feb-21	329		O2_D362	Da
	File Name: OWTF2_3M_2021.01	Wak					Cant	ant No EDIOD	00/4 5	
		Wok (Oilial)						ract No. EP/SP/8	CI/00	31-
-	Lavout: ORRC2 WP 2021.01 3M									
	Layout: ORRC2_WP_2021.01_3M Task filter: TASK filters: 3MNM. 3MRPWP2				0	ganic W	laste	Treatment Fac	ilities, Phase 2	
JEC	Task filter: TASK filters: 3MNM, 3MRPWP2.	k bi			Oi			Treatment Fac		
JEC		k Istina Vertra			Oi	Wo	orks	Treatment Fac Programme 2nd hs Rolling Prog	d Issue	E

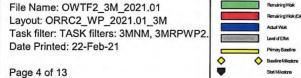
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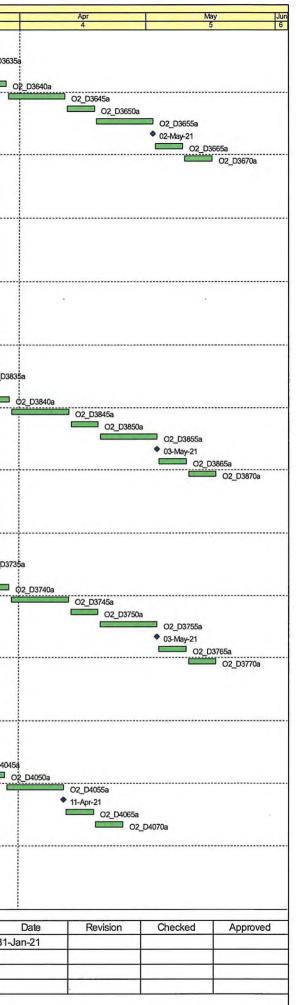
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	Activity Name	Original	Baseline Start		Start	Finish	Total			2021
		Duration	Date	Date			Float	Jan 1	Feb 2	Mar 3
02_D3625a	Submit further information for the re-submitted Tanks Walkways - Superstructure to IC (Clause 5.4.3.9, Specs Part A)	7	23-Nov-20	29-Nov-20	22-Feb-21	28-Feb-21	329			O2_D3625a
O2_D3630a O2_D3635a	IC Certify Tanks Walkways - Superstructure (Clause 5.4.3.9, Specs Part A) Obtain Design Check Certificate & Method of Construction Check Certificate (5.4.3.11 & 5.4.3.12, Specs Part A)	14	30-Nov-20 14-Deo-20	13-Dec-20 20-Dec-20	01-Mar-21 15-Mar-21	14-Mar-21	329			O2_D363
EMPLOYER'S C		56	21-Dec-20	14-Feb-21	22-Mar-21	21-Mar-21 16-May-21	329 329			
02_D3640a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	21-Dec-20	27-Dec-20	22-Mar-21	28-Mar-21	329			
O2_D3645a	ER Comment on the submitted Tanks Walkways - Superstructure (Clause 5.4.3.17.c, Specs Part A)	14	28-Dec-20	10-Jan-21	29-Mar-21	11-Apr-21	329	•••••••••••••••••••••••••••••••••••••••		
O2_D3650a	Submit further information for the submitted Tanks Walkways - Superstructure to ER (Clause 5.4.3.19, Specs Part A)	7	11-Jan-21	17-Jan-21	12-Apr-21	18-Apr-21	329			
O2_D3655a	ER Comment on the re-submitted Tanks Walkways - Superstructure (Clause 5.4.3.17.a, Specs Part A)	14	18-Jan-21	31-Jan-21	19-Apr-21	02-May-21	329			
O2_D3660a	ER Consented Tanks Walkways - Superstructure (Clause 5.4.3.17.a, Specs Part A)	0	10-001-21	31-Jan-21	15-10-21	02-May-21	329			
O2 D3665a	Submit Two Complete Sets Tanks Walkways - Superstructure to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	01-Feb-21	07-Feb-21	03-May-21	09-May-21	329	-		
O2_D3670a	Design Registered - Tanks Walkways - Superstructure	7	08-Feb-21	14-Feb-21	10-May-21	16-May-21	329	······		
	CHNICAL APPRAISAL REPORT	2	13-Jan-21	15-Jan-21	07-Dec-20 A	09-Dec-20 A	OLU			
EMPLOYER's C		2	13-Jan-21	15-Jan-21	07-Dec-20 A	09-Dec-20 A				
O2_D4460a	ER Consented Geotechnical Appraisal Report (Clause 5.4.3.17.a, Specs Part A)	0	10 001121	13-Jan-21	or Decizion	07-Dec-20 A		07 Dec 20 A		
02 D4465a	Submit Two Complete Sets Geotechnical Appraisal Report to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	1	14-Jan-21	14-Jan-21	08-Dec-20 A	08-Deo-20 A		♦ 07-Dec-20 A O2 D4465a		
02 D4470a	Design Registered - Geotechnical Appraisal Report	1	15-Jan-21	15-Jan-21	09-Dec-20 A	09-Dec-20 A				
the second s	HNICAL DESIGN REPORT	2	13-Jan-21	15-Jan-21	10-Dec-20 A	12-Dec-20A		02_D4470a		
MPLOYER's C		2	13-Jan-21	15-Jan-21	10-Dec-20 A	12-Dec-20A				
02 D4360a	ER Consented Geotechnical Design Report (Clause 5.4.3.17.a, Specs Part A)	0	1J-JdiF21		IU-Deu-ZUA	at the second				
02_D4365a	Submit Two Complete Sets Geotechnical Design Report to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	1	14-Jan-21	13-Jan-21	11-Dec 20 4	10-Dec-20 A		♦ 10-Dec-20 A		
02_D4303a	Design Registered - Geotechnical Design Report			14-Jan-21	11-Dec-20 A	11-Dec-20 A		02_D4365a		
and the second se		1	15-Jan-21	15-Jan-21	12-Dec-20 A	12-Deo-20 A	000	O2_D4370a		
	SE WORKS DESIGN	272	19-Aug-20	07-Mar-21	19-Jun-20 A	17-May-21	209			
a loss of the second second second	CERTIFICATION	216	19-Aug-20	10-Jan-21	19-Jun-20 A	22-Mar-21	209			
2_D3815a	Submit further information for the submitted Drainage Works Design to IC (Clause 5.4.3.9, Specs Part A) *	102	19-Aug-20	28-Nov-20	19-Jun-20 A	07-Feb-21	209		O2_D3815a	
2_D3820a	IC Comment on the re-submitted Geotechnical Drainage Works Design (Clause 5.4.3.9, Specs Part A) *	15	29-Nov-20	13-Dec-20	08-Feb-21	22-Feb-21	209		0	2_D3820a
2_D3825a	Submit further information for the re-submitted Drainage Works Design to IC (Clause 5.4.3.9, Specs Part A)	7	14-Dec-20	20-Dec-20	23-Feb-21	01-Mar-21	209			O2_D3825a
2_D3830a	IC Certify Drainage Works Design (Clause 5.4.3.9, Specs Part A)	14	21-Dec-20	03-Jan-21	02-Mar-21	15-Mar-21	209			O2_D3
2_D3835a	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	7	04-Jan-21	10-Jan-21	16-Mar-21	22-Mar-21	209			
IPLOYER's C		56	11-Jan-21	07-Mar-21	23-Mar-21	17-May-21	209			
2_D3840a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	11-Jan-21	17-Jan-21	23-Mar-21	29-Mar-21	209			
2_D3845a	ER Comment on the submitted Drainage Works Design (Clause 5.4.3.17.c, Specs Part A)	14	18-Jan-21	31-Jan-21	30-Mar-21	12-Apr-21	209			
2_D3850a	Submit further information for the submitted Drainage Works Design to ER (Clause 5.4.3.19, Specs Part A)	7	01-Feb-21	07-Feb-21	13-Apr-21	19-Apr-21	209			
2_D3855a	ER Comment on the re-submitted Drainage Works Design (Clause 5.4.3.17.a, Specs Part A)	14	08-Feb-21	21-Feb-21	20-Apr-21	03-May-21	209	-		
2_D3860a	ER Consented Drainage Works Design (Clause 5.4.3.17.a, Specs Part A)	0		21-Feb-21		03-May-21	209		۵	
2_D3865a	Submit Two Complete Sets Drainage Works Design to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	22-Feb-21	28-Feb-21	04-May-21	10-May-21	209			
2_D3870a	Design Registered - Drainage Works Design	7	01-Mar-21	07-Mar-21	11-May-21	17-May-21	209			
16 - SEWERA	IGE WORKS DESIGN	272	19-Aug-20	07-Mar-21	30-Jun-20 A	17-May-21	209			
CHECKING &	CERTIFICATION	216	19-Aug-20	10-Jan-21	30-Jun-20 A	22-Mar-21	209			
2_D3715a	Submit further information for the submitted Sewerage Works Design to IC (Clause 5.4.3.9, Specs Part A) *	102	19-Aug-20	28-Nov-20	30-Jun-20 A	07-Feb-21	209		O2_D3715a	
2_D3720a	IC Comment on the re-submitted Sewerage Works Design (Clause 5.4.3.9, Specs Part A) *	15	29-Nov-20	13-Dec-20	08-Feb-21	22-Feb-21	209		0	2_D3720a
2_D3725a	Submit further information for the re-submitted Sewerage Works Design to IC (Clause 5.4.3.9, Specs Part A)	7	14-Dec-20	20-Dec-20	23-Feb-21	01-Mar-21	209			02_D3725a
2_D3730a	IC Certify Sewerage Works Design (Clause 5.4.3.9, Specs Part A)	14	21-Dec-20	03-Jan-21	02-Mar-21	15-Mar-21	209			O2_D3
2_D3735a	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	7	04-Jan-21	10-Jan-21	16-Mar-21	22-Mar-21	209			2-5-5
PLOYER's C	ONSENT	56	11-Jan-21	07-Mar-21	23-Mar-21	17-May-21	209			
2_D3740a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	11-Jan-21	17-Jan-21	23-Mar-21	29-Mar-21	209			
2_D3745a	ER Comment on the submitted Sewerage Works Design (Clause 5.4.3.17.c, Specs Part A)	14	18-Jan-21	31-Jan-21	30-Mar-21	12-Apr-21	209			
2_D3750a	Submit further information for the submitted Sewerage Works Design to ER (Clause 5.4.3.19, Specs Part A)	7	01-Feb-21	07-Feb-21	13-Apr-21	19-Apr-21	209			
2_D3755a	ER Comment on the re-submitted Sewerage Works Design (Clause 5.4.3.17.a, Specs Part A)	14	08-Feb-21	21-Feb-21	20-Apr-21	03-May-21	209			
2_D3760a	ER Consented Sewerage Works Design (Clause 5.4.3.17.a, Specs Part A)	0		21-Feb-21		03-May-21	209		-	
2_D3765a	Submit Two Complete Sets Sewerage Works Design to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	22-Feb-21	28-Feb-21	04-May-21	10-May-21	209	in the second	×	
2_D3770a	Design Registered - Sewerage Works Design	7	01-Mar-21	07-Mar-21	11-May-21	17-May-21	209			
17 - WATERW	/ORKS DESIGN	186	22-Oct-20	13-Jan-21	09-0d-20 A	25-Apr-21	382			
CHECKING &	CERTIFICATION	130	22-Oct-20	18-Nov-20	09-Oct-20 A	28-Feb-21	382			
2_D4025a	Submit further information for the re-submitted Waterworks Design to IC (Clause 5.4.3.9, Specs Part A)	7	22-Oct-20	28-Oct-20	09-Oct-20 A	07-Feb-21	382		O2 D4025a	
2_D4030a	IC Certify Waterworks Design (Clause 5.4.3.9, Specs Part A)	14	29-0d-20	11-Nov-20	08-Feb-21	21-Feb-21	382	and the second se		D4030a
_D4035a	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	7	12-Nov-20	18-Nov-20	22-Feb-21	28-Feb-21	382			02 D4035a
PLOYER's CO	ONSENT	56	19-Nov-20	13-Jan-21	01-Mar-21	25-Apr-21	382			
2_D4040a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	19-Nov-20	25-Nov-20	01-Mar-21	07-Mar-21	382			O2 D4040a
 	ER Comment on the submitted Waterworks Design (Clause 5.4.3. 17. c, Specs Part A)	14	26-Nov-20	09-Dec-20	08-Mar-21	21-Mar-21	382			02_04040a
 2D4050a	Submit further information for the submitted Waterworks Design to ER (Clause 54.3.19, Specs Part A)	7	10-Dec-20	16-Dec-20	22-Mar-21	28-Mar-21	382			
 2D4055a	ER Comment on the re-submitted Waterworks Design (Clause 5.4.3.17.a, Specs Part A)	14	17-Dec-20	30-Dec-20	29-Mar-21	11-Apr-21	382			
	ER Consented Waterworks Design (Clause 5.4.3.17.a, Specs Part A)	0		30-Dec-20		11-Apr-21	382			
 2D4065a	Submit Two Complete Sets Waterworks Design to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	31-Deo-20	06-Jan-21	12-Apr-21	18-Apr-21	382			
 	Design Registered - Waterworks Design	7	07-Jan-21	13-Jan-21	19-Apr-21	25-Apr-21	382			
A CONTRACTOR OF A CONTRACTOR O	FOR ROADWORKS AND STREET FURNITURES	186	22-Oct-20	13-Jan-21	18-Nov-20 A	25-Apr-21	382			
	CERTIFICATION	130	22-0d-20	18-Nov-20	18-Nov-20 A	28-Feb-21	382			
2_D4125a	Submit further information for the re-submitted Roadworks and Street Furnitures to IC (Clause 5.4.3.9, Specs Part A)	7	22-0d-20 22-0d-20	28-Oct-20	18-Nov-20 A	07-Feb-21	382		00 0405	
2_D4130a	IC Certify Roadworks and Street Furnitures (Clause 5.4.3.9, Specs Part A)	14	22-0d-20 29-0d-20	11-Nov-20	08-Feb-21	07-Feb-21 21-Feb-21	382		02_D4125a	D.4400
	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	7	12-Nov-20	18-Nov-20	22-Feb-21	21-Feb-21 28-Feb-21	382		02	
2 D4135a				1						O2_D4135a
2_D4135a	ONSENT	56	19-Nov-20	13-Jan-21	01-Mar-21	25-Apr-21	382			





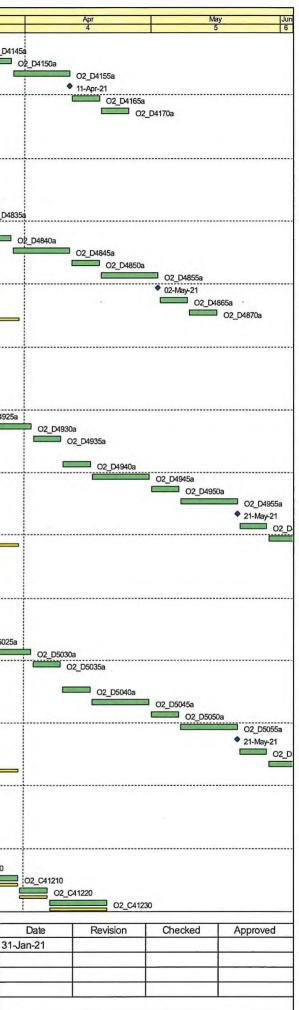


	Activity Name	Original Duration	Baseline Start Date	Baseline Finish Date	Start	Finish	Total Float	Jan 1	Feb 2	2021 Mar 3
	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	19-Nov-20	25-Nov-20	01-Mar-21	07-Mar-21	382			O2_D4140a
2_D4145a	ER Comment on the submitted Roadworks and Street Furnitures (Clause 5.4.3.17.c, Specs Part A)	14	26-Nov-20	09-Dec-20	08-Mar-21	21-Mar-21	382			C C
_D4150a	Submit further information for the submitted Roadworks and Street Furnitures to ER (Clause 5.4.3.19, Specs Part A)	7	10-Dec-20	16-Dec-20	22-Mar-21	28-Mar-21	382			
_D4155a	ER Comment on the re-submitted Roadworks and Street Furnitures (Clause 5.4.3.17.a, Specs Part A)	14	17-Dec-20	30-Dec-20	29-Mar-21	11-Apr-21	382			
_D4160a	ER Consented Roadworks and Street Furnitures (Clause 5.4.3.17.a, Specs Part A)	0		30-Deo-20		11-Apr-21	382			
2_D4165a	Submit Two Complete Sets Roadworks and Street Furnitures to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	31-Dec-20	06-Jan-21	12-Apr-21	18-Apr-21	382	-		
2_D4170a	Design Registered - Roadworks and Street Furnitures	7	07-Jan-21	13-Jan-21	19-Apr-21	25-Apr-21	382			
19 - ANCILLIAR	RY FACILITIES	293	02-Apr-20	30-Mar-21	02-Apr-20 A	04-Jun-21	415			
19b - GUARD	HOUSE, WEIGHBRIDGE & MASTER METER ROOM - FOUNDATION & STRUCTURE	152	16-Dec-20	30-Mar-21	16-Dec-20 A	16-May-21	144			
	CERTIFICATION	96	16-Dec-20	02-Feb-21	16-Dec-20 A	21-Mar-21	144			
	Submit further information for the submitted GH, WB & MMR to IC (Clause 5.4.3.9, Specs Part A)	7	16-Dec-20	22-Dec-20	16-Dec-20 A	07-Feb-21				
	IC Comment on the re-submitted GH, WB & MMR (Clause 5.4.3.9, Specs Part A)	14	23-Dec-20	05-Jan-21			144		O2_D4815a	2
	Submit further information for the re-submitted GH, WB & MMR to IC (Clause 5.4.3.9, Specs Part A)				08-Feb-21	21-Feb-21	144	-		_D4820a
		7	06-Jan-21	12-Jan-21	22-Feb-21	28-Feb-21	144			O2_D4825a
	IC Certify GH, WB & MMR (Clause 5.4.3.9, Specs Part A)	14	13-Jan-21	26-Jan-21	01-Mar-21	14-Mar-21	144			O2_D483
	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	7	27-Jan-21	02-Feb-21	15-Mar-21	21-Mar-21	144			
MPLOYER's CO		56	03-Feb-21	30-Mar-21	22-Mar-21	16-May-21	144			
D2_D4840a	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	03-Feb-21	09-Feb-21	22-Mar-21	28-Mar-21	144			
D2_D4845a	ER Comment on the submitted GH, WB & MMR (Clause 5.4.3.17.c, Specs Part A)	14	10-Feb-21	23-Feb-21	29-Mar-21	11-Apr-21	144			
02_D4850a	Submit further information for the submitted GH, WB & MMR to ER (Clause 5.4.3.19, Specs Part A)	7	24-Feb-21	02-Mar-21	12-Apr-21	18-Apr-21	144			
02_D4855a	ER Comment on the re-submitted GH, WB & MMR (Clause 5.4.3.17.a, Specs Part A)	14	03-Mar-21	16-Mar-21	19-Apr-21	02-May-21	144			
a second a second se	ER Consented GH, WB & MMR (Clause 5.4.3.17.a, Specs Part A)	0		16-Mar-21		02-May-21	144			
	Submit Two Complete Sets GH, WB & MMR to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	17-Mar-21	23-Mar-21	03-May-21	02-May-21	144			٥
	Design Registered - Guard House, Weighbridge & Master Meter Room	7	24-Mar-21	30-Mar-21	and the second s		and the second			
the state of the s	OOM, DRAWPIT & DUCTING	- in the second	and the second s	and the second s	10-May-21	16-May-21	144			
at an an an an an an		244	02-Apr-20	30-Mar-21	02-Apr-20 A	04-Jun-21	157			
JBMISSION		244	02-Apr-20	01-Dec-20	02-Apr-20 A	05-Feb-21	157			
	Pump Room, Drawpit & Ducting (Clause 5.4.3.9, Specs Part A) *	244	02-Apr-20	01-Dec-20	02-Apr-20 A	05-Feb-21	157		O2_D4900a	
CHECKING &	CERTIFICATION	63	02-Deo-20	02-Feb-21	06-Feb-21	09-Apr-21	157			
02_D4910a	IC Comment on the submitted Pump Room, Drawpit & Ducting (Clause 5.4.3.9, Specs Part A)	14	02-Dec-20	15-Dec-20	06-Feb-21	19-Feb-21	157		02 D	4910a
2_D4915a	Submit further information for the submitted Pump Room, Drawpit & Ducting to IC (Clause 5.4.3.9, Specs Part A)	7	16-Dec-20	22-Dec-20	20-Feb-21	26-Feb-21	157			02_D4915a
	IC Comment on the re-submitted Pump Room, Drawpit & Ducting (Clause 5.4.3.9, Specs Part A)	14	23-Dec-20	05-Jan-21	27-Feb-21	12-Mar-21	157			
	Submit further information for the re-submitted Pump Room, Drawpit & Ducting to IC (Clause 5.4.3.9, Specs Part A)	7	06-Jan-21	12-Jan-21						O2_D4920a
	IC Certify Pump Room, Drawpit & Ducting (Clause 5.4.3.9, Specs Part A)	14			13-Mar-21	19-Mar-21	157			02
		an and an and a second	13-Jan-21	26-Jan-21	20-Mar-21	02-Apr-21	157			
	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	7	27-Jan-21	02-Feb-21	03-Apr-21	09-Apr-21	157		-	
and the second se	ONSENT	56	03-Feb-21	30-Mar-21	10-Apr-21	04-Jun-21	157			
	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7	03-Feb-21	09-Feb-21	10-Apr-21	16-Apr-21	157	N		
	ER Comment on the submitted Pump Room, Drawpit & Ducting (Clause 5.4.3.17.c, Specs Part A)	14	10-Feb-21	23-Feb-21	17-Apr-21	30-Apr-21	157			
02_D4950a	Submit further information for the submitted Pump Room, Drawpit & Ducting to ER (Clause 5.4.3.19, Specs Part A)	7	24-Feb-21	02-Mar-21	01-May-21	07-May-21	157			- <u> </u>
02_D4955a	ER Comment on the re-submitted Pump Room, Drawpit & Ducting (Clause 5.4.3.17.a, Specs Part A)	14	03-Mar-21	16-Mar-21	08-May-21	21-May-21	157		-	
D2_D4960a	ER Consented Pump Room, Drawpit & Ducting (Clause 5.4.3.17.a, Specs Part A)	0		16-Mar-21		21-May-21	157			
02_D4965a	Submit Two Complete Sets Pump Room, Drawpit & Ducting to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	17-Mar-21	23-Mar-21	22-May-21	28-May-21	157			0
a contract and set best to a contract to a c	Design Registered - Pump Room, Drawpit & Ducting	7	24-Mar-21	30-Mar-21	29-May-21	04-Jun-21	157			
and the second second second	NCE GATE, BOUNDARY FENCE & ENTRANCE PORTAL	244	02-Apr-20	30-Mar-21	02-Apr-20 A	04-Jun-21	415			
JBMISSION				and the state of the local division of the	and the second second	a series and the series of the				
	Entrance Cate Devendent Earlie & Entrance Dated /EC. DE & ED. (Change 5 4 0.0. Down D. 4 1) *	244	02-Apr-20	01-Dec-20	02-Apr-20 A	05-Feb-21	415		and the second se	
	Entrance Gate, Boundary Fence & Entrance Portal (EG, BF & EP) (Clause 5.4.3.9, Specs Part A) *	244	02-Apr-20	01-Dec-20	02-Apr-20 A	05-Feb-21	415		O2_D5000a	
	CERTIFICATION	63	02-Dec-20	02-Feb-21	06-Feb-21	09-Apr-21	415			
	IC Comment on the submitted EG, BF & EP (Clause 5.4.3.9, Specs Part A)	14	02-Dec-20	15-Dec-20	06-Feb-21	19-Feb-21	415		O2_D	5010a
A REAL PROPERTY AND A REAL PROPERTY AND A	Submit further information for the submitted EG, BF & EP to IC (Clause 5.4.3.9, Specs Part A)	7	16-Dec-20	22-Dec-20	20-Feb-21	26-Feb-21	415			02_D5015a
2_D5020a	IC Comment on the re-submitted EG, BF & EP (Clause 5.4.3.9, Specs Part A)	14	23-Dec-20	05-Jan-21	27-Feb-21	12-Mar-21	415			O2_D5020a
2_D5025a	Submit further information for the re-submitted EG, BF & EP to IC (Clause 5.4.3.9, Specs Part A)	7	06-Jan-21	12-Jan-21	13-Mar-21	19-Mar-21	415			02_0020a
	IC Certify EG, BF & EP (Clause 5.4.3.9, Specs Part A)	14	13-Jan-21	26-Jan-21	20-Mar-21	02-Apr-21	415			
	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs Part A)	7	27-Jan-21	02-Feb-21	03-Apr-21	09-Apr-21	415			
	ONSENT	56	03-Feb-21	30-Mar-21	10-Apr-21	04-Jun-21	415		-	
	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs Part A)	7								
	ER Comment on the submitted EG, BF & EP (Clause 5.4.3.17.c, Specs Part A)		03-Feb-21	09-Feb-21	10-Apr-21	16-Apr-21	415	Y		
		14	10-Feb-21	23-Feb-21	17-Apr-21	30-Apr-21	415			
	Submit further information for the submitted EG, BF & EP to ER (Clause 5.4.3.19, Specs Part A)	7	24-Feb-21	02-Mar-21	01-May-21	07-May-21	415			
	ER Comment on the re-submitted EG, BF & EP (Clause 5.4.3.17.a, Specs Part A)	14	03-Mar-21	16-Mar-21	08-May-21	21-May-21	415			
and the second s	ER Consented EG, BF & EP (Clause 5.4.3.17.a, Specs Part A)	0		16-Mar-21		21-May-21	415			0
	Submit Two Complete Sets EG, BF & EP to IC, ER for Register Design (Clause 5.4.3.22, Specs Part A)	7	17-Mar-21	23-Mar-21	22-May-21	28-May-21	415			·
2_D5070a	Design Registered - Entrance Gate, Boundary Fence & Entrance Portal	7	24-Mar-21	30-Mar-21	29-May-21	04-Jun-21	415			
BUILDING SER	RVICES	250	01-Jul-20	10-May-21	04-May-20 A	03-Jun-21	430			
- BS- ELECTR	RICAL SERVICES	81	25-Jan-21	04-May-21	01-Sep-20 A	04-May-21	59			
	CERTIFICATION	25	25-Jan-21	09-Mar-21	01-Sep-20 A	09-Mar-21	50			
and the second se	Submit further information for the re-submitted Electrical Services to IC (Clause 5.4.3.9, Specs A)				and the first state of the	and the second se	29			
		23	25-Jan-21	16-Feb-21	01-Sep-20 A	16-Feb-21	59		02_C4113	the second se
	IC Certify Electrical Services (Clause 5.4.3.9, Specs A)	14	17-Feb-21	02-Mar-21	17-Feb-21	02-Mar-21	59			O2_C41140
Cold In comparison of the	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	03-Mar-21	09-Mar-21	03-Mar-21	09-Mar-21	59		and the second s	02_C41150
PLOYER's CO	NSENT	56	10-Mar-21	04-May-21	10-Mar-21	04-May-21	59			
_C41200	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7	10-Mar-21	16-Mar-21	10-Mar-21	16-Mar-21	59			02_C4
2_C41210	ER Comment on the submitted Electrical Services (Clause 5.4.3.17.c, Specs A)	14	17-Mar-21	30-Mar-21	17-Mar-21	30-Mar-21	59			
The second se	Submit further information for the submitted Electrical Services to ER (Clause 5.4.3.19, Specs A)	7	31-Mar-21	06-Apr-21	31-Mar-21	06-Apr-21	59			
	ER Comment on the re-submitted Electrical Services (Clause 5.4.3.17.a, Specs A)	14	07-Apr-21							
2 041230			V/-//UI=ZI	20-Apr-21	07-Apr-21	20-Apr-21	59			



File Name: OWTF2_3M_2021.01 Layout: ORRC2_WP_2021.01_3M Task filter: TASK filters: 3MNM, 3MRPWP2. Date Printed: 22-Feb-21

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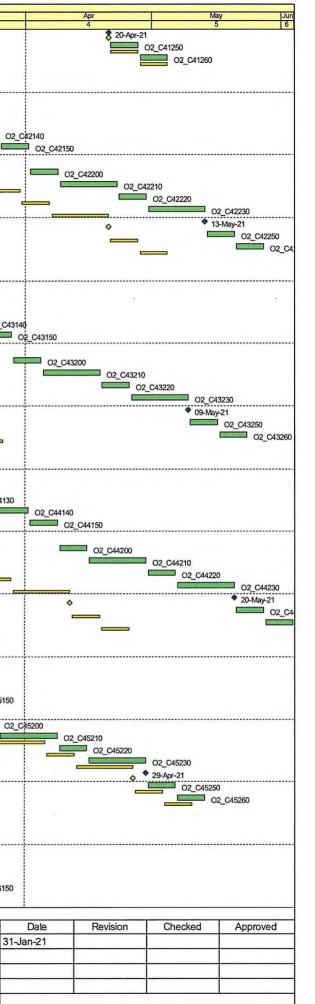


Activ	vity Name	Original Duration	Baseline Start Date	Baseline Finish Date	Start	Finish	Total Float	Jan	Feb	2021 Mar
02 C41240 ER (Consented Electrical Services (Clause 5.4.3.17.a, Specs A)			1000		00.404		1	2	3
	Consented Electrical Services (Clause 5.4.3.17.a, Specs A) mit Two Complete Sets Electrical Services to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	0	21-Apr-21	20-Apr-21 27-Apr-21	21-Apr-21	20-Apr-21	59 59			
and the state of the second	sign Registered - Electrical Services	7	21-Apr-21 28-Apr-21	04-May-21	21-Apr-21 28-Apr-21	27-Apr-21	59			
the second second second second	AL VENTILATION & AIR-CONDITIONING	104	12-Dec-20	04-May-21	30-Jun-20 A	04-May-21 27-May-21	110			
C CHECKING & CER		48	12-Dec-20				110			
	mit further information for the submitted Mechanical Ventilation & Air-Conditioning to IC (Clause 5.4.3.9, Specs A)			09-Mar-21	30-Jun-20 A	01-Apr-21	-			
	Comment on the re-submitted Mechanical Ventilation & Air-Conditioning (Clause 5.4.3.9, Specs A)	30	12-Dec-20	10-Jan-21	30-Jun-20 A	17-Feb-21	110		O2_C42110	
		14	11-Jan-21	24-Jan-21	18-Feb-21	03-Mar-21	110			O2_C42120
	mit further information for the re-submitted Mech Ventilation & Air-Conditioning to IC (Clause 5.4.3.9, Specs A)	8	25-Jan-21	16-Feb-21	04-Mar-21	11-Mar-21	110			O2_C42130
the second s	Certify Mechanical Ventilation & Air-Conditioning (Clause 5.4.3.9, Specs A)	14	17-Feb-21	02-Mar-21	12-Mar-21	25-Mar-21	110			
and the second sec	ain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	03-Mar-21	09-Mar-21	26-Mar-21	01-Apr-21	110			
EMPLOYER'S CONSE		56	10-Mar-21	04-May-21	02-Apr-21	27-May-21	110	Contraction of the second s		
	mit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7	10-Mar-21	16-Mar-21	02-Apr-21	08-Apr-21	110			
	Comment on the submitted Mechanical Ventilation & Air-Conditioning (Clause 5.4.3.17.c, Specs A)	14	17-Mar-21	30-Mar-21	09-Apr-21	22-Apr-21	110			
the second second second	mit further information for the submitted Mechanical Ventilation & Air-Conditioning to ER (Clause 5.4.3.19, Specs A)	7	31-Mar-21	06-Apr-21	23-Apr-21	29-Apr-21	110			
2_C42230 ER 0	Comment on the re-submitted Mechanical Ventilation & Air-Conditioning (Clause 5.4.3.17.a, SpecsA)	14	07-Apr-21	20-Apr-21	30-Apr-21	13-May-21	110			
02_C42240 ER (Consented Mechanical Ventilation & Air-Conditioning (Clause 5.4.3.17.a, Specs A)	0		20-Apr-21		13-May-21	110			
02_C42250 Subi	mit Two Complete Sets Mech Ventilation & Air-Conditioning to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	21-Apr-21	27-Apr-21	14-May-21	20-May-21	110			
2_C42260 Desi	ign Registered - Mechanical Ventilation & Air-Conditioning	7	28-Apr-21	04-May-21	21-May-21	27-May-21	110			
3 - BS- FIRE SERVI	ICES	130	12-Dec-20	26-Mar-21	29-Jul-20 A	23-May-21	152			
CHECKING & CER	RTIFICATION	74	12-Dec-20	29-Jan-21	29-Jul-20A	28-Mar-21	55			
	mit further information for the submitted Fire Services to IC (Clause 5.4.3.9, Specs A)	7	12-Dec-20	18-Dec-20	29-Jul-20A	14-Feb-21	55		02.042442	
Constant of the second	Comment on the re-submitted Fire Services (Clause 5:4.3.9, Specs A)	14	12-Dec-20	01-Jan-21	15-Feb-21	28-Feb-21	55		O2_C43110	00.010100
	mit further information for the re-submitted Fire Services to IC (Clause 5.4.3.9, Specs A)	7	02-Jan-21	01-Jan-21 08-Jan-21			55			02_C43120
		and the second s			01-Mar-21	07-Mar-21		-		O2_C43130
	Certify Fire Services (Clause 5.4.3.9, Specs A)	14	09-Jan-21	22-Jan-21	08-Mar-21	21-Mar-21	55			
The section of the se	ain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	23-Jan-21	29-Jan-21	22-Mar-21	28-Mar-21	55			
PLOYER's CONSE		56	30-Jan-21	26-Mar-21	29-Mar-21	23-May-21	152			
which we down a second or the barry of the second	mit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7	30-Jan-21	05-Feb-21	29-Mar-21	04-Apr-21	55			
the summer of the second	Comment on the submitted Fire Services (Clause 5.4.3.17.c, Specs A)	14	06-Feb-21	19-Feb-21	05-Apr-21	18-Apr-21	55	N N		
2_C43220 Subr	mit further information for the submitted Fire Services to ER (Clause 5.4.3.19, Specs A)	7	20-Feb-21	26-Feb-21	19-Apr-21	25-Apr-21	55			
2_C43230 ER 0	Comment on the re-submitted Fire Services (Clause 5.4.3.17.a, Specs A)	14	27-Feb-21	12-Mar-21	26-Apr-21	09-May-21	55			
2_C43240 ER (Consented Fire Services (Clause 5.4.3.17.a, Specs A)	0		12-Mar-21		09-May-21	55		······	
2_C43250 Subr	mit Two Complete Sets Fire Services to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	13-Mar-21	19-Mar-21	10-May-21	16-May-21	152			v
2_C43260 Desi	ign Registered - Fire Services	7	20-Mar-21	26-Mar-21	17-May-21	23-May-21	152			
4 - BS- PLUMBING	& DRAINAGE	144	11-Jan-21	25-Apr-21	29-Jul-20A	03-Jun-21	166			
CHECKING & CER	TIFICATION	144	11-Jan-21	28-Feb-21	29-Jul-20A	08-Apr-21	157			
and an	mit further information for the submitted Plumbing & Drainage to IC (Clause 5.4.3.9, Specs A)	7	11-Jan-21	17-Jan-21	29-Jul-20A	25-Feb-21	157			
	Comment on the re-submitted Plumbing & Drainage (Clause 5.4.3.9, Specs A)	14	18-Jan-21	31-Jan-21	26-Feb-21	11-Mar-21	157		02	_C44110
	mit further information for the re-submitted Plumbing & Drainage to IC (Clause 5.4.3.9, Specs A)	7	01-Feb-21	07-Feb-21	12-Mar-21	18-Mar-21	157			O2_C44120
and an owned of the second sec	Certify Plumbing & Drainage (Clause 5.4.3.9, Specs A)	14	08-Feb-21						-	O2_
and a second state of the second state of the	ain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7		21-Feb-21	19-Mar-21	01-Apr-21	157			
and so in the second		1	22-Feb-21	28-Feb-21	02-Apr-21	08-Apr-21	157			
PLOYER'S CONSE		56	01-Mar-21	25-Apr-21	09-Apr-21	03-Jun-21	166			
	rnit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7	01-Mar-21	07-Mar-21	09-Apr-21	15-Apr-21	157			
	Comment on the submitted Plumbing & Drainage (Clause 5.4.3.17.c, Specs A)	14	08-Mar-21	21-Mar-21	16-Apr-21	29-Apr-21	157			
The sufferences of the sector of the contract of the	mit further information for the submitted Plumbing & Drainage to ER (Clause 5.4.3.19, Specs A)	7	22-Mar-21	28-Mar-21	30-Apr-21	06-May-21	157			
the second s	Comment on the re-submitted Plumbing & Drainage (Clause 5.4.3.17.a, Specs A)	14	29-Mar-21	11-Apr-21	07-May-21	20-May-21	157	Annual Contractor and a second		an in the second second second
	Consented Plumbing & Drainage (Clause 5.4.3.17.a, Specs A)	0		11-Apr-21		20-May-21	157			
2_C44250 Subr	mit Two Complete Sets Plumbing & Drainage to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	12-Apr-21	18-Apr-21	21-May-21	27-May-21	166			
2_C44260 Desi	ign Registered - Plumbing & Drainage	7	19-Apr-21	25-Apr-21	28-May-21	03-Jun-21	166			
-AUTOMATIC IRF	RIGATION SYSTEM	180	02-Feb-21	10-May-21	22-Dec-20 A	13-May-21	451	L L		
CHECKING & CER	TIFICATION	180	02-Feb-21	15-Mar-21	22-Dec-20 A	18-Mar-21	451	Λ		
the second state of the se	Comment on the re-submitted Automatic Irrigation System (Clause 5.4.3.9, Specs A)	14	02-Feb-21	15-Feb-21	22-Dec-20 A	18-Feb-21	451		02 045400	
	mit further information for the re-submitted Automatic Irrigation System to IC (Clause 5.4.3.9, Specs A)	7	16-Feb-21	22-Feb-21	19-Feb-21	25-Feb-21	451		02_C45120	C4E120
	Sertify Automatic Irrigation System (Clause 5.4.3.9, Specs A)	14	23-Feb-21	08-Mar-21	26-Feb-21	11-Mar-21	451	r i	02_	
	ain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	09-Mar-21	15-Mar-21	12-Mar-21	18-Mar-21				02_C45140
PLOYER's CONSE		56	16-Mar-21				451			02_
the same barrier with the same and the				10-May-21	19-Mar-21	13-May-21	451			
	mit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, SpecsA)	7	16-Mar-21	22-Mar-21	19-Mar-21	25-Mar-21	451			
and the later an	Comment on the submitted Automatic Irrigation System (Clause 5.4.3.17.c, Specs A)	14	23-Mar-21	05-Apr-21	26-Mar-21	08-Apr-21	451			
	mit further information for the submitted Automatic Irrigation System to ER (Clause 5.4.3.19, Specs A)	7	06-Apr-21	12-Apr-21	09-Apr-21	15-Apr-21	451			
	Comment on the re-submitted Automatic Irrigation System (Clause 5.4.3.17.a, Specs A)	14	13-Apr-21	26-Apr-21	16-Apr-21	29-Apr-21	451			
	Consented Automatic Irrigation System (Clause 5.4.3.17.a, Specs A)	0		26-Apr-21		29-Apr-21	451			
	mit Two Complete Sets Automatic Irrigation System to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	27-Apr-21	03-May-21	30-Apr-21	06-May-21	451			
the second s	ign Registered - Automatic Irrigation System	7	04-May-21	10-May-21	07-May-21	13-May-21	451	1		
6 - BS- ELV (INCLU	IDING CCTV, PA, BMS, SECURITY, ET C.)	151	06-Dec-20	05-May-21	22-Dec-20 A	13-May-21	170			
CHECKING & CER	TIFICATION	151	06-Dec-20	10-Mar-21	22-Dec-20 A	18-Mar-21	170			
2_C46110 Subr	mit further information for the submitted ELV to IC (Clause 5.4.3.9, Specs A)	53	06-Dec-20	27-Jan-21	22-Dec-20 A	04-Feb-21	170		O2_C46110	
2_C46120 IC C	Comment on the re-submitted ELV (Clause 5.4.3.9, Specs A)	14	28-Jan-21	10-Feb-21	05-Feb-21	18-Feb-21	170		O2 C46120	
Non-second second secon	mit further information for the re-submitted ELV to IC (Clause 5.4.3.9, Specs A)	7	11-Feb-21	17-Feb-21	19-Feb-21	25-Feb-21	170			C46130
	Certify ELV (Clause 5.4.3.9, Specs A)	14	18-Feb-21	03-Mar-21	26-Feb-21	11-Mar-21	170	1		02 C46140
	ain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	04-Mar-21	10-Mar-21	12-Mar-21	18-Mar-21	170			
PLOYER's CONSE			and the second sec	Contraction of the second						02_
		56	11-Mar-21	05-May-21	19-Mar-21	13-May-21	170			

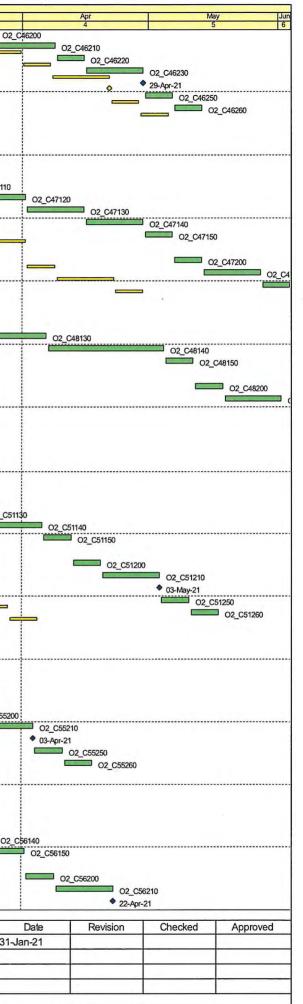


File Name: OWTF2_3M_2021.01 Layout: ORRC2_WP_2021.01_3M Task filter: TASK filters: 3MNM, 3MRPWP2. Date Printed: 22-Feb-21

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	Activity Name	Original Duration	Baseline Start Date	Baseline Finish Date	Start	Finish	Total	an I Eab I
02.040000							Float	Jan Feb 1
O2_C46200	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7	11-Mar-21	17-Mar-21	19-Mar-21	25-Mar-21	170	
O2_C46210	ER Comment on the submitted ELV (Clause 5.4.3.17.c, Specs A)	14	18-Mar-21	31-Mar-21	26-Mar-21	08-Apr-21	170	
O2_C46220	Submit further information for the submitted ELV to ER (Clause 5.4.3.19, Specs A)	7	01-Apr-21	07-Apr-21	09-Apr-21	15-Apr-21	170	
O2_C46230	ER Comment on the re-submitted ELV (Clause 5.4.3.17.a, Specs A)	14	08-Apr-21	21-Apr-21	16-Apr-21	29-Apr-21	170	
O2_C46240	ER Consented ELV (Clause 5.4.3.17.a, Specs A)	0		21-Apr-21		29-Apr-21	170	
O2_C46250	Submit Two Complete Sets ELV to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	22-Apr-21	28-Apr-21	30-Apr-21	06-May-21	170	
O2_C46260	Design Registered - ELV	7	29-Apr-21	05-May-21	07-May-21	13-May-21	170	
	S ENERGY EXPORT SYSTEM	155	01-Jul-20	29-Apr-21	04-May-20 A	03-Jun-21	186	
UBMISSION		150	01-Jul-20	27-Nov-20	04-May-20 A	18-Feb-21	186	
02_C47000	Surplus Energy Export System (Clause 5.4.3.9, Specs A)	150	01-Jul-20	27-Nov-20	04-May-20 A	18-Feb-21	186	O2_C47000
CHECKING 8	& CERTIFICATION	77	28-Nov-20	01-Apr-21	19-Feb-21	06-May-21	186	
02_C47100	IC Comment on the submitted Surplus Energy Export System (Clause 5.4.3.9, Specs A)	14	28-Nov-20	11-Dec-20	19-Feb-21	04-Mar-21	186	02_C47100
D2 C47110	Submit further information for the submitted Surplus Energy Export System to IC (Clause 5.4.3.9, Specs A)	14	12-Dec-20	10-Jan-21	05-Mar-21	18-Mar-21	186	
D2 C47120	IC Comment on the re-submitted Surplus Energy Export System (Clause 5.4.3.9, Specs A)	14	11-Jan-21	24-Jan-21	19-Mar-21	01-Apr-21	186	
D2 C47130	Submit further information for the re-submitted Surplus Energy Export System to IC (Clause 5.4.3.9, Specs A)	14	25-Jan-21	11-Mar-21	02-Apr-21	15-Apr-21	186	
D2 C47140	IC Certify Surplus Energy Export System (Clause 5.4.3.9, Specs A)	14	12-Mar-21	25-Mar-21	16-Apr-21	29-Apr-21	186	
02 C47150	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	26-Mar-21	01-Apr-21	30-Apr-21	06-May-21	186	_
the second se	CONSENT	28	02-Apr-21	29-Apr-21	07-May-21	03-Jun-21	186	
02 C47200			and the second second	and the second s		and the second	Accession	
	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7	02-Apr-21	08-Apr-21	07-May-21	13-May-21	186	
02_C47210	ER Comment on the submitted Surplus Energy Export System (Clause 5.4.3.17.c, Specs A)	14	09-Apr-21	22-Apr-21	14-May-21	27-May-21	186	
02_C47220	Submit further information for the submitted Surplus Energy Export System to ER (Clause 5.4.3.19, Specs A)	7	23-Apr-21	29-Apr-21	28-May-21	03-Jun-21	186	
.8 - LIFT		181	01-Nov-20	20-Feb-21	11-Nov-20 A	01-Jun-21	41	
CHECKING 8	& CERTIFICATION	181	01-Nov-20	30-Jan-21	11-Nov-20 A	11-May-21	41	
02_C48120	IC Comment on the re-submitted Lift (Clause 5.4.3.9, Specs A)	28	01-Nov-20	28-Nov-20	11-Nov-20 A	18-Feb-21	60	O2 C48120
2_C48130	Submit further information for the re-submitted Lift to IC (Clause 5.4.3.9, SpecsA)	28	29-Nov-20	26-Dec-20	10-Mar-21	06-Apr-21	41	
2_C48140	IC Certify Lift (Clause 5.4.3.9, Specs A)	28	27-Dec-20	23-Jan-21	07-Apr-21	04-May-21	41	
2 C48150	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	24-Jan-21	30-Jan-21	05-May-21	11-May-21	41	
MPLOYER's C		21	31-Jan-21	20-Feb-21	12-May-21	01-Jun-21	41	
2 C48200	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7					41	
02_C48200	ER Comment on the submitted Lift (Clause 5.4.3.17.c, SpecsA)		31-Jan-21	06-Feb-21	12-May-21	18-May-21	41	
		14	07-Feb-21	20-Feb-21	19-May-21	01-Jun-21	41	
E&M PROCE		235	01-Jul-20	21-Aug-21	01-Jul-20 A	22-Jul-21	536	
.1 - WASTE AF	RRIVAL AND EXIT (WEIGHBRIDGE, TRUCK WASHING, TRAFFIC CONTROL)	180	01-Jul-20	04-Apr-21	01-Jul-20A	17-May-21	126	
JBMISSION		180	01-Jul-20	27-Dec-20	01-Jul-20A	08-Feb-21	126	
2_C51000	Waste Arrival and Exit (Clause 5.4.3.9, Specs A)	180	01-Jul-20	27-Dec-20	01-Jul-20 A	08-Feb-21	126	O2 C51000
CHECKING 8	& CERTIFICATION	63	28-Dec-20	28-Feb-21	09-Feb-21	12-Apr-21	126	
2 C51100	IC Comment on the submitted Waste Arrival and Exit (Clause 5.4.3.9, Specs A)	14	28-Dec-20	10-Jan-21	09-Feb-21	22-Feb-21	126	O2 C51100
02 C51110	Submit further information for the submitted Waste Arrival and Exit to IC (Clause 5.4.3.9, Specs A)	7	11-Jan-21	17-Jan-21	23-Feb-21	01-Mar-21	126	02_C51110
02_C51120	IC Comment on the re-submitted Waste Arrival and Exit (Clause 5.4.3.9, Specs A)	14	18-Jan-21	31-Jan-21	02-Mar-21	15-Mar-21	126	
	Submit further information for the re-submitted Waste Arrival and Exit to IC (Clause 5.4.3.9, Specs A)	7	01-Feb-21	07-Feb-21	16-Mar-21	22-Mar-21	126	
2_C51140	IC Certify Waste Arrival and Exit (Clause 5.4.3.9, Specs A)	14	08-Feb-21	21-Feb-21	23-Mar-21			
02 C51150	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)					05-Apr-21	126	
	CONSENT	7	22-Feb-21	28-Feb-21	06-Apr-21	12-Apr-21	126	
		35	01-Mar-21	04-Apr-21	13-Apr-21	17-May-21	126	
02_C51200	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7	01-Mar-21	07-Mar-21	13-Apr-21	19-Apr-21	126	
02_C51210	ER Comment on the submitted Waste Arrival and Exit (Clause 5.4.3.17.c, Specs A)	14	08-Mar-21	21-Mar-21	20-Apr-21	03-May-21	126	
02_C51240	ER Consented Waste Arrival and Exit (Clause 5.4.3.17.a, Specs A)	0		21-Mar-21		03-May-21	126	
02_C51250	Submit Two Complete Sets Waste Arrival and Exit to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	22-Mar-21	28-Mar-21	04-May-21	10-May-21	126	
02_C51260	Design Registered - Waste Arrival and Exit	7	29-Mar-21	04-Apr-21	11-May-21	17-May-21	126	
.5 - BIOGAS C	CLEANING & STORAGE SYSTEM AND EMERGENCY FLARE	88	19-Nov-20	03-Feb-21	30-Dec-20 A	17-Apr-21	215	
CHECKING &	& CERTIFICATION	53	19-Nov-20	30-Dec-20	30-Dec-20 A	13-Mar-21	215	
2_C55120	IC Comment on the re-submitted Biogas System & Flare (Clause 5.4.3.9, Specs A)	14	19-Nov-20	02-Dec-20	30-Dec-20 A	13-Feb-21	215	O2 C55120
2_C55130	Submit further information for the re-submitted Biogas System & Flare to IC (Clause 5.4.3.9, Specs A)	7	03-Dec-20	09-Dec-20	14-Feb-21	20-Feb-21	215	O2_005120
2_C55140	IC Certify Biogas System & Flare (Clause 5.4.3.9, Specs A)	14	10-Dec-20	23-Dec-20	21-Feb-21	06-Mar-21	215	02_C5514
2 C55150	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	24-Deo-20	30-Dec-20	07-Mar-21	13-Mar-21	215	
APLOYER'S C		35	31-Dec-20	03-Feb-21	14-Mar-21	17-Apr-21	215	
2 C55200	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7		and the second se	a second s	and the second second	a contractor	_
2_C55210	ER Comment on the submitted Biogas System & Flare (Clause 5.4.3.17, c, Specs A)		31-Dec-20	06-Jan-21	14-Mar-21	20-Mar-21	215	
		14	07-Jan-21	20-Jan-21	21-Mar-21	03-Apr-21	215	
2_C55240	ER Consented Biogas System & Flare (Clause 5.4.3.17.a, Specs A)	0		20-Jan-21		03-Apr-21	215	
2_C55250	Submit Two Complete Sets Biogas System & Flare to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	21-Jan-21	27-Jan-21	04-Apr-21	10-Apr-21	215	\leftarrow
2_C55260	Design Registered - Biogas System & Flare	7	28-Jan-21	03-Feb-21	11-Apr-21	17-Apr-21	215	
6 - ENERGY F	RECOVERY AND CHP	77	12-Nov-20	06-Apr-21	25-Nov-20 A	06-May-21	22	
CHECKING &	& CERTIFICATION	42	12-Nov-20	02-Mar-21	25-Nov-20 A	01-Apr-21	22	
2_C56110	Submit further information for the submitted CHP to IC (Clause 5.4.3.9, Specs A)	7	12-Nov-20	11-Dec-20	25-Nov-20 A	18-Feb-21	22	O2_C56110
2_C56120	IC Comment on the re-submitted CHP (Clause 5.4.3.9, Specs A)	14	12-Dec-20	25-Dec-20	19-Feb-21	04-Mar-21	22	O2 C56120
2_C56130	Submit further information for the re-submitted CHP to IC (Clause 5.4.3.9, Specs A)	7	26-Dec-20	09-Feb-21	05-Mar-21	11-Mar-21	22	
2_C56140	IC Certify CHP (Clause 5.4.3.9, Specs A)	14	10-Feb-21	23-Feb-21	12-Mar-21	25-Mar-21	22	
2_C56150	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	24-Feb-21	02-Mar-21	26-Mar-21	01-Apr-21	22	
and the second s	CONSENT	35	03-Mar-21	06-Apr-21	02-Apr-21	06-May-21	22	
2_C56200	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7	03-Mar-21	09-Mar-21	02-Apr-21	08-Apr-21	22	
2_C56210	ER Comment on the submitted Energy Recovery and CHP (Clause 5.4.3.17.c, Specs A)	14	10-Mar-21	23-Mar-21			22	
2_C56220	ER Consented Energy Recovery and CHP (Clause 5.4.3.17.6, Specs A)	0	IV-IVIAI-21		09-Apr-21	22-Apr-21	22	
		U		23-Mar-21		22-Apr-21	22	
JEC	Layout: ORRC2_WP_2021.01 Task filter: TASK filters: 3MNM_3MRPWP2	emainingWek emainingWek (Dikat) akt Wek set of Effort imay Baseline			O	rganic V	Vaste	ract No. EP/SP/86/15 Treatment Facilities, Phase 2 Programme 2nd Issue
A Jou	NT VENTURE Page 7 of 13	and in a Milesiana						hs Rolling Programme

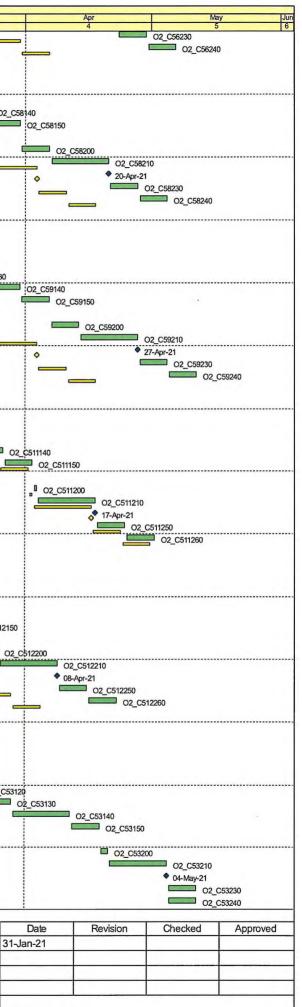


vity ID	Activity Name	Original	Baseline Start	Baseline Finish	Start	Finish	Total			2021
		Duration	Date	Date			Float	Jan	Feb	Mar
O2_C56230	Submit Two Complete Sets Energy Recovery and CHP to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	24-Mar-21	30-Mar-21	23-Apr-21	29-Apr-21	22		2	3
O2_C56240	Design Registered - Energy Recovery and CHP	7	31-Mar-21	06-Apr-21	30-Apr-21	06-May-21	22			
C5.8 - WASTEWA	ATER TREATMENT PLANT	166	16-Jan-21	17-Apr-21	18-Sep-20A	04-May-21	51			
IC CHECKING &	CERTIFICATION	166	16-Jan-21	13-Mar-21	18-Sep-20 A	30-Mar-21	51			
O2_C58120	IC Comment on the re-submitted Wastewater Treatment Plant (Clause 5.4.3.9, Specs A)	14	16-Jan-21	29-Jan-21	18-Sep-20A	11-Feb-21	54		O2 C58120	
O2_C58130	Submit further information for the re-submitted Wastewater Treatment Plant to IC (Clause 5.4.3.9, Specs A)	22	30-Jan-21	20-Feb-21	10-Nov-20 A	09-Mar-21	51			O2 C58130
O2_C58140	IC Certify Wastewater Treatment Plant (Clause 5.4.3.9, Specs A)	14	21-Feb-21	06-Mar-21	10-Mar-21	23-Mar-21	51	V		02.02
O2_C58150	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	07-Mar-21	13-Mar-21	24-Mar-21	30-Mar-21	51			
EMPLOYER's CO	ONSENT	35	14-Mar-21	17-Apr-21	31-Mar-21	04-May-21	51			
O2_C58200	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7	14-Mar-21	20-Mar-21	31-Mar-21	06-Apr-21	51	in the second second second second second		
O2_C58210	ER Comment on the submitted Wastewater Treatment Plant (Clause 5.4.3.17.c, Specs A)	14	21-Mar-21	03-Apr-21	07-Apr-21	20-Apr-21	51			
O2_C58220	ER Consented Wastewater Treatment Plant (Clause 5.4.3.17.a, Specs A)	0		03-Apr-21		20-Apr-21	51			-
O2_C58230	Submit Two Complete Sets Wastewater Treatment Plant to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	04-Apr-21	10-Apr-21	21-Apr-21	27-Apr-21	51			
O2_C58240	Design Registered - Wastewater Treatment Plant	7	11-Apr-21	17-Apr-21	28-Apr-21	04-May-21	51			
C5.9 - CENTRALI	ISED AIR POLLUTION CONTROL SYSTEM	162	28-Deo-20	17-Apr-21	05-Dec-20 A	11-May-21	77			
IC CHECKING &	CERTIFICATION	162	28-Dec-20	13-Mar-21	05-Dec-20 A	06-Apr-21	77			
O2_C59100	IC Comment on the submitted CAPC System (Clause 5.4.3.9, Specs A)	14	28-Dec-20	10-Jan-21	05-Dec-20 A	30-Dec-20 A		O2_C59100		
O2_C59110	Submit further information for the submitted CAPC System to IC (Clause 5.4.3.9, Specs A)	44	11-Jan-21	30-Jan-21	31-Dec-20 A	13-Feb-21	87		O2_C59110	
O2_C59120	IC Comment on the re-submitted CAPC System (Clause 5.4.3.9, Specs A)	14	31-Jan-21	13-Feb-21	14-Feb-21	27-Feb-21	87			O2 C59120
O2_C59130	Submit further information for the re-submitted CAPC System to IC (Clause 5.4.3.9, Specs A)	7	14-Feb-21	20-Feb-21	10-Mar-21	16-Mar-21	77			O2_C59120
O2_C59140	IC Certify CAPC System (Clause 5.4.3.9, Specs A)	14	21-Feb-21	06-Mar-21	17-Mar-21	30-Mar-21	77			02_009100
O2_C59150	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	. 7	07-Mar-21	13-Mar-21	31-Mar-21	06-Apr-21	. 77			
EMPLOYER's CO		35	14-Mar-21	17-Apr-21	07-Apr-21	11-May-21	77			
O2_C59200	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7	14-Mar-21	20-Mar-21	07-Apr-21	13-Apr-21	77			
O2_C59210	ER Comment on the submitted CAPC System (Clause 5.4.3.17.c, Specs A)	14	21-Mar-21	03-Apr-21	14-Apr-21	27-Apr-21	77			
O2 C59220	ER Consented CAPC System (Clause 5.4.3.17.a, Specs A)	0	21100121	03-Apr-21	1470-21	27-Apr-21	77			
O2 C59230	Submit Two Complete Sets CAPC System to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	04-Apr-21	10-Apr-21	28-Apr-21	04-May-21	77			
O2_C59240	Design Registered - CAPC System	7	11-Apr-21	17-Apr-21	05-May-21	11-May-21	77			
	CAL WORKS (PROCESS)	152	23-Jan-21	30-Apr-21	17-Dec-20 A	01-May-21	60			
	CERTIFICATION	152	23-Jan-21	01-Apr-21	17-Dec-20 A		60			
O2_C511110	Submit further information for the submitted Electrical Works to IC (Clause 5.4.3.9, SpecsA)		and the second se	and the second second		02-Apr-21	09			
O2_C511120		7	23-Jan-21	29-Jan-21	17-Dec-20 A	29-Dec-20 A		02_C5		
O2_C511120	IC Comment on the re-submitted Electrical Works (Clause 5.4.3.9, Specs A)	14	30-Jan-21	12-Feb-21	30-Dec-20 A	13-Feb-21	69		O2_C511120	
O2_C511140	Submit further information for the re-submitted Electrical Works to IC (Clause 5.4.3.9, Specs A)	27	13-Feb-21	11-Mar-21	14-Feb-21	12-Mar-21	69			O2_C511130
	IC Certify Electrical Works (Clause 5.4.3.9, Specs A)	14	12-Mar-21	25-Mar-21	13-Mar-21	26-Mar-21	69			02
O2_C511150	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	26-Mar-21	01-Apr-21	27-Mar-21	02-Apr-21	69			
EMPLOYER'S CO		29	02-Apr-21	30-Apr-21	03-Apr-21	01-May-21	69			
O2_C511200	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	1	02-Apr-21	02-Apr-21	03-Apr-21	03-Apr-21	69			
O2_C511210	ER Comment on the submitted Electrical Works (Clause 5.4.3.17.c, SpecsA)	14	03-Apr-21	16-Apr-21	04-Apr-21	17-Apr-21	69			
O2_C511240	ER Consented Electrical Works (Clause 5.4.3.17.a, Specs A)	0		16-Apr-21		17-Apr-21	69			
O2_C511250	Submit Two Complete Sets Electrical Works to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	17-Apr-21	23-Apr-21	18-Apr-21	24-Apr-21	69			
(Design Registered - Electrical Works	7	24-Apr-21	30-Apr-21	25-Apr-21	01-May-21	69			
C5.12 - LIFTING A		112	11-Jan-21	04-Apr-21	17-Deo-20 A	22-Apr-21	27			
	CERTIFICATION	77	11-Jan-21	28-Feb-21	17-Dec-20 A	18-Mar-21	27			
O2_C512110	Submit further information for the submitted Lifting Appliance to IC (Clause 5.4.3.9, Specs A)	29	11-Jan-21	17-Jan-21	17-Dec-20 A	04-Feb-21	27		O2_C512110	
O2_C512120	IC Comment on the re-submitted Lifting Appliance (Clause 5.4.3.9, Specs A)	14	18-Jan-21	31-Jan-21	05-Feb-21	18-Feb-21	27		02_C5121	20
O2_C512130	Submit further information for the re-submitted Lifting Appliance to IC (Clause 5.4.3.9, Specs A)	7	01-Feb-21	07-Feb-21	19-Feb-21	25-Feb-21	27		c	2_C512130
O2_C512140	IC Certify Lifting Appliance (Clause 5.4.3.9, Specs A)	14	08-Feb-21	21-Feb-21	26-Feb-21	11-Mar-21	27			O2_C512140
O2_C512150	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	22-Feb-21	28-Feb-21	12-Mar-21	18-Mar-21	27			O2_C512150
EMPLOYER's CO	ONSENT	35	01-Mar-21	04-Apr-21	19-Mar-21	22-Apr-21	27			
O2_C512200	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7	01-Mar-21	07-Mar-21	19-Mar-21	25-Mar-21	27			02_
O2_C512210	ER Comment on the submitted Lifting Appliance (Clause 5.4.3.17.c, Specs A)	14	08-Mar-21	21-Mar-21	26-Mar-21	08-Apr-21	27			
O2_C512240	ER Consented Lifting Appliance (Clause 5.4.3.17.a, Specs A)	0		21-Mar-21		08-Apr-21	27			
O2_C512250	Submit Two Complete Sets Lifting Appliance to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	22-Mar-21	28-Mar-21	09-Apr-21	15-Apr-21	27			×
O2_C512260	Design Registered - Lifting Appliance	7	29-Mar-21	04-Apr-21	16-Apr-21	22-Apr-21	27			
STAGE 1 SUBMIS	SSIONS (Process Design)	174	10-Nov-20	21-Aug-21	10-Nov-20 A	22-Jul-21	536			
	ATMENT SYSTEM (HAMMER MILL, LIQUID STORAGE, CONVEYORS)	86	10-Nov-20	03-Feb-21	10-Nov-20 A	11-May-21	608			
performance and a second secon	- PRE-TREATMENT SYSTEM	86	10-Nov-20	03-Feb-21	10-Nov-20 A	11-May-21	608			
IC CHECKING & CE		86	10-Nov-20	11-Jan-21	10-Nov-20 A	18-Apr-21	608			
	IC Comment on the submitted Pre-Treatment System (Clause 5.4.3.9, Specs A)	14	10-Nov-20	23-Nov-20	10-Nov-20 A	28-Feb-21	608			03 053100
O2_C53110	Submit further information for the submitted Pre-Treatment System to IC (Clause 5.4.3.9, Specs A)	7	24-Nov-20	30-Nov-20	01-Mar-21	07-Mar-21	608			02_C53100
O2_C53120	IC Comment on the re-submitted Pre-Treatment System (Clause 54.3.9, Specs A)	14	01-Dec-20	14-Dec-20	01-Mar-21 08-Mar-21	21-Mar-21	608			O2_C53110
	Submit further information for the re-submitted Pre-Treatment System to IC (Clause 5.4.3.9, Specs A)	7	15-Dec-20	21-Dec-20	22-Mar-21	21-Mar-21 28-Mar-21	608			02_C531
O2_C53140	IC Certify Pre-Treatment System (Clause 5.4.3.9, Specs A)	14	22-Dec-20	04-Jan-21	22-1viar-21 29-Mar-21		608			
O2_C53150	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	05-Jan-21	11-Jan-21		11-Apr-21	608			
EMPLOYER'S CON		23	12-Jan-21	03-Feb-21	12-Apr-21 19-Apr-21	18-Apr-21				
	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)		12-Jan-21	13-Jan-21		11-May-21	608			
O2_C53210	ER Comment on the submitted Pre-Treatment System (Clause 5.4.3. 17, a, Specs A)	14	12-Jan-21 14-Jan-21		19-Apr-21	20-Apr-21	608	7		
and a second party and a second and the local	ER Consented Pre-Treatment System (Clause 5.4.3.17.a, Specs A)	0	14-JdIF21	27-Jan-21	21-Apr-21	04-May-21	608			
	Submit Two Complete Sets Pre-Treatment System to IC, ER for Register Design (Clause 5.4.3.22, Specs A)		20 24	27-Jan-21	05 14- 04	04-May-21	608	8		
02 (52220)	South the southing octation treather system to be an in register description of the Alexandre Alexan	7	28-Jan-21	03-Feb-21	05-May-21	11-May-21	608			
O2_C53230 O2_C53240	Design Registered - Pre-Treatment System	7	28-Jan-21	03-Feb-21	05-May-21	11-May-21	608			



File Name: OWTF2_3M_2021.01 Layout: ORRC2_WP_2021.01_3M Task filter: TASK filters: 3MNM, 3MRPWP2. Date Printed: 22-Feb-21

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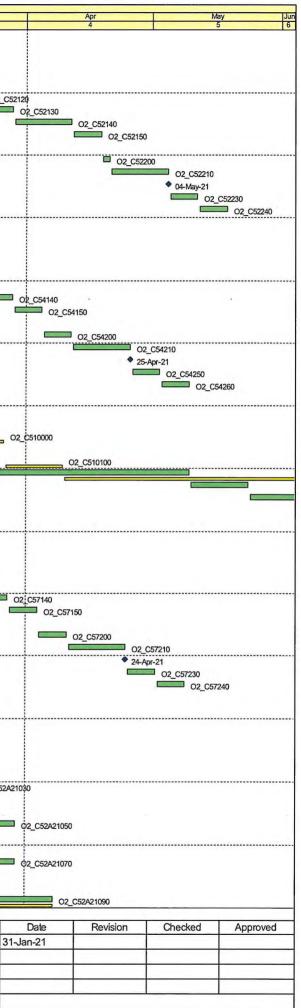


	Activity Name	Original Duration	Baseline Start Date	Baseline Finish Date	Start	Finish	Total Float	Jan	Feb	2021 Mar
5.2 - WASTER	ECEIVING, STORAGE AND FEEDING SYSTEM	86	10-Nov-20	10-Feb-21	10-Nov-20 A	18-May-21	601	1	2	3
	I - WASTE RECEIVING, STORAGE AND FEEDING SYSTEM	86	10-Nov-20	10-Feb-21	10-Nov-20 A	18-May-21	601			
C CHECKING & C		86	10-Nov-20	11-Jan-21	10-Nov-20 A	18-Apr-21	601			
O2_C52100 O2_C52110	IC Comment on the submitted Waste Receiving, Storage & Feeding System (Clause 5.4.3.9, Specs A)	14	10-Nov-20	23-Nov-20	10-Nov-20 A	28-Feb-21	601			02_C52100
O2_C52120	Submit further information for the submitted Waste Receiving. Storage & Feeding System to IC (Clause 5.4.3.9, Specs A) IC Comment on the re-submitted Waste Receiving, Storage & Feeding System (Clause 5.4.3.9, Specs A)	7	24-Nov-20 01-Dec-20	30-Nov-20 14-Dec-20	01-Mar-21 08-Mar-21	07-Mar-21 21-Mar-21	601 601			O2_C52110
O2_C52130	Submit further information for the re-submitted Waste Receiving, Slorage & Feeding System (Clause 5.4.3.9, Specs A)	7	15-Dec-20	21-Dec-20	22-Mar-21	28-Mar-21	601			02_C
O2_C52140	IC Certify Waste Receiving, Storage & Feeding System (Clause 5.4.3.9, Specs A)	14	22-Dec-20	04-Jan-21	29-Mar-21	11-Apr-21	601			
O2_C52150	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	05-Jan-21	11-Jan-21	12-Apr-21	18-Apr-21	601			
EMPLOYER's CO	INSENT CONTRACTOR OF	30	12-Jan-21	10-Feb-21	19-Apr-21	18-May-21	601			
O2_C52200	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	2	12-Jan-21	13-Jan-21	19-Apr-21	20-Apr-21	601			
O2_C52210	ER Comment on the submitted Waste Receiving, Storage & Feeding System (Clause 5.4.3. 17.a, Specs A)	14	14-Jan-21	27-Jan-21	21-Apr-21	04-May-21	601			
O2_C52220	ER Consented Waste Receiving, Storage & Feeding System (Clause 5.4.3.17.a, Specs A)	0		27-Jan-21		04-May-21	601	0		
O2_C52230 O2_C52240	Submit Two Complete Sets Waste Recv, Storage & Feeding System to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	7	28-Jan-21	03-Feb-21	05-May-21	11-May-21	601	4	-	
and the second sec	Design Registered - Waste Receiving, Scrage & Feeding System BIC DIGESTION TREATMENT SYSTEM	7 109	04-Feb-21 03-Dec-20	10-Feb-21 24-Feb-21	12-May-21 03-Dec-20 A	18-May-21	601			
	SUBMISSION - AD SYSTEM	109	03-Dec-20	24-Feb-21	03-Dec-20 A	09-May-21 09-May-21	610 610			
C CHECKING & C		109	03-Dec-20	20-Jan-21	03-Dec-20 A	03-May-21 04-Apr-21	65			
O2_C54110	Submit further information for the submitted AD Treatment System to IC (Clause 5.4.3.9, Specs A)	7	03-Dec-20	09-Dec-20	03-Dec-20 A	21-Feb-21	65		02_C541	10
O2_C54120	IC Comment on the re-submitted AD Treatment System (Clause 5.4.3.9, Specs A)	14	10-Dec-20	23-Dec-20	22-Feb-21	07-Mar-21	65		02_0041	O2 C54120
O2_C54130	Submit further information for the re-submitted AD Treatment System to IC (Clause 5.4.3.9, Specs A)	7	24-Dec-20	30-Deo-20	08-Mar-21	14-Mar-21	65			O2_C54120
O2_C54140 ·	IC CertifyAD Treatment System(Clause 5.4.3.9, SpecsA)	· 14	31-Dec-20	13-Jan-21	· 15-Mar-21	28-Mar-21	65		e -	
O2_C54150	Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A)	7	14-Jan-21	20-Jan-21	29-Mar-21	04-Apr-21	65			
EMPLOYER's CO		35	21-Jan-21	24-Feb-21	05-Apr-21	09-May-21	610			
O2_C54200	Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	7	21-Jan-21	27-Jan-21	05-Apr-21	11-Apr-21	65			
O2_C54210	ER Comment on the submitted AD Treatment System (Clause 5.4.3.17.c, Specs A)	14	28-Jan-21	10-Feb-21	12-Apr-21	25-Apr-21	65			
O2_C54240 O2_C54250	ER Consented AD Treatment System (Clause 5.4.3.17.a, Specs A)	0	44 E-L 04	10-Feb-21	00.404	25-Apr-21	65	Y	•	
O2_C54250	Submit Two Complete Sets AD Treatment System to IC, ER for Register Design (Clause 5.4.3.22, Specs A) Design Registered - AD Treatment System	7	11-Feb-21 18-Feb-21	17-Feb-21 24-Feb-21	26-Apr-21	02-May-21	610 610			
A REAL PROPERTY AND	DL & INSTRUMENTATION WORKS	174	27-Nov-20	24-Feb-21 21-Aug-21	03-May-21 27-Nov-20 A	09-May-21 22-Jul-21	41			
and the second second	1-C&I WORKS	174	27-Nov-20	21-Aug-21	27-Nov-20 A	22-Jul-21	41			
SUBMISSION		120	27-Nov-20	26-Mar-21	27-Nov-20 A	24-Feb-21	41			
O2_C510000	Control and Instrumentation Work (Clause 5.4.3.9, Specs A)	120	27-Nov-20	26-Mar-21	27-Nov-20 A	24-Feb-21	41			
C CHECKING & C	CERTIFICATION	148	27-Mar-21	21-Aug-21	25-Feb-21	22-Jul-21	41			
	IC Comment on the submitted C&I Works (Clause 5.4.3.9, Specs A)	14	27-Mar-21	09-Apr-21	25-Feb-21	10-Mar-21	41	-		
O2_C510110	Submit further information for the submitted C&I Works to IC (Clause 5.4.3.9, Specs A)	60	10-Apr-21	08-Jun-21	11-Mar-21	09-May-21	41			
O2_C510120	IC Comment on the re-submitted C&I Works (Clause 5.4.3.9, Specs A)	14	09-Jun-21	22-Jun-21	10-May-21	23-May-21	41			
O2_C510130	Submit further information for the re-submitted C&I Works to IC (Clause 5.4.3.9, Specs A)	60	23-Jun-21	21-Aug-21	24-May-21	22-Jul-21	41			
Sector Andrews	RING AND GRANULATION SYSTEM	119	28-Nov-20	05-Mar-21	04-Dec-20 A	08-May-21	611			
		119	28-Nov-20	05-Mar-21	04-Dec-20 A	08-May-21	611			
C CHECKING & C	CERTIFICATION	110	29 May 20	20 100 24	04 Dec 20 4	03-Apr-21	611			
C CHECKING & C 02 C57100		119	28-Nov-20	29-Jan-21	04-Dec-20 A	12 Eab 21	611			
O2_C57100	IC Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A)	119 14 7	28-Nov-20	11-Dec-20	04-Deo-20 A	13-Feb-21 20-Feb-21	611		02_C57100	
CCHECKING & C O2_C57100 O2_C57110 O2_C57120			28-Nov-20 12-Dec-20	11-Dec-20 18-Dec-20	04-Deo-20 A 14-Feb-21	20-Feb-21	611		02_C57100	
O2_C57100 O2_C57110	IC Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Submit further information for the submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A)	14 7	28-Nov-20	11-Dec-20	04-Deo-20 A					O2_C57120
O2_C57100 O2_C57110 O2_C57120	IC Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Submit further information for the submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) IC Comment on the re-submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A)	14 7 14	28-Nov-20 12-Dec-20 19-Dec-20	11-Dec-20 18-Dec-20 01-Jan-21	04-Deo-20 A 14-Feb-21 21-Feb-21	20-Feb-21 06-Mar-21	611 611			
O2_C57100 O2_C57110 O2_C57120 O2_C57130	IC Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Submit further information for the submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) IC Comment on the re-submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Submit further information for the re-submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A)	14 7 14	28-Nov-20 12-Dec-20 19-Dec-20 02-Jan-21	11-Dec-20 18-Dec-20 01-Jan-21 08-Jan-21	04-Deo-20 A 14-Feb-21 21-Feb-21 07-Mar-21	20-Feb-21 06-Mar-21 13-Mar-21	611 611 611			O2_C57120
O2_C57100 O2_C57110 O2_C57120 O2_C57130 O2_C57140 O2_C57150 MPLOYER'S CO	IC Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Submit further information for the submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) IC Comment on the re-submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Submit further information for the re-submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) IC Certify Dewatering & Granulation System (Clause 5.4.3.9, Specs A) IC Certify Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A) NSENT	14 7 14 7 14	28-Nov-20 12-Dec-20 19-Dec-20 02-Jan-21 09-Jan-21	11-Deo-20 18-Deo-20 01-Jan-21 08-Jan-21 22-Jan-21	04-Deo-20 A 14-Feb-21 21-Feb-21 07-Mar-21 14-Mar-21	20-Feb-21 06-Mar-21 13-Mar-21 27-Mar-21	611 611 611 611			O2_C57120
O2_C57100 O2_C57110 O2_C57120 O2_C57130 O2_C57140 O2_C57150 MPLOYER'S CO O2_C57200	IC Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Submit further information for the submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) IC Comment on the re-submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Submit further information for the re-submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) IC Certify Dewatering & Granulation System (Clause 5.4.3.9, Specs A) IC Certify Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A) NSENT Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A)	14 7 14 7 14 7 14 7 35 7	28-Nov-20 12-Dec-20 19-Dec-20 02-Jan-21 09-Jan-21 23-Jan-21 30-Jan-21 30-Jan-21	11-Dec-20 18-Dec-20 01-Jan-21 08-Jan-21 22-Jan-21 29-Jan-21	04-Deo-20 A 14-Feb-21 21-Feb-21 07-Mar-21 14-Mar-21 28-Mar-21	20-Feb-21 06-Mar-21 13-Mar-21 27-Mar-21 03-Apr-21	611 611 611 611 611			O2_C57120
O2_C57100 O2_C57110 O2_C57120 O2_C57130 O2_C57130 O2_C57150 MPLOYER'S CO O2_C57200 O2_C57210	IC Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Submit further information for the submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) IC Comment on the re-submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Submit further information for the re-submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) IC Certify Dewatering & Granulation System (Clause 5.4.3.9, Specs A) IC Certify Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A) Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A) ER Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.17, c, Specs A)	14 7 14 7 14 7 35 7 14	28-Nov-20 12-Deo-20 19-Deo-20 02-Jan-21 09-Jan-21 23-Jan-21 30-Jan-21	11-Dec-20 18-Dec-20 01-Jan-21 08-Jan-21 22-Jan-21 29-Jan-21 05-Mar-21 05-Feb-21 19-Feb-21	04-Deo-20 A 14-Feb-21 21-Feb-21 07-Mar-21 14-Mar-21 28-Mar-21 04-Apr-21	20-Feb-21 06-Mar-21 13-Mar-21 27-Mar-21 03-Apr-21 08-May-21	611 611 611 611 611 611			O2_C57120
O2_C57100 O2_C57110 O2_C57120 O2_C57130 O2_C57140 O2_C57150 MPLOYERSCO O2_C57200 O2_C57210 O2_C57220	IC Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Submit further information for the submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) IC Comment on the re-submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) Submit further information for the re-submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) IC Certify Dewatering & Granulation System (Clause 5.4.3.9, Specs A) IC Certify Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A) Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A) ER Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.17, c, Specs A) ER Consented Dewatering & Granulation System (Clause 5.4.3.17, a, Specs A)	14 7 14 7 14 7 35 7 14 0	28-Nov-20 12-Dec-20 19-Dec-20 02-Jan-21 09-Jan-21 30-Jan-21 30-Jan-21 06-Feb-21	11-Dec-20 18-Dec-20 01-Jan-21 08-Jan-21 22-Jan-21 29-Jan-21 05-Mar-21 05-Feb-21 19-Feb-21 19-Feb-21	04-Deo-20A 14-Feb-21 21-Feb-21 07-Mar-21 14-Mar-21 28-Mar-21 04-Apr-21 04-Apr-21 11-Apr-21	20-Feb-21 06-Mar-21 13-Mar-21 27-Mar-21 03-Apr-21 08-May-21 10-Apr-21 24-Apr-21 24-Apr-21	611 611 611 611 611 611 611 611			O2_C57120
O2_C57100 O2_C57110 O2_C57120 O2_C57130 O2_C57140 O2_C57150 MPLOYERSCO O2_C57200 O2_C57210 O2_C57220 O2_C57230	IC Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Submit further information for the submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) IC Comment on the re-submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) Submit further information for the re-submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) Submit further information for the re-submitted Dewatering & Granulation System to IC (Clause 5.4.3.9, Specs A) IC Certify Dewatering & Granulation System (Clause 5.4.3.9, Specs A) IC Certify Dewatering & Granulation System (Clause 5.4.3.9, Specs A) Obtain Design Check Certificate & Method of Construction Check Certificate (Clause 5.4.3.11 & 5.4.3.12, Specs A) NSENT Submit Design Check Certificate & Method of Construction Check Certificate to ER (Clause 5.4.3.16, Specs A) ER Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.17.c, Specs A) ER Consented Dewatering & Granulation System (Clause 5.4.3.17.c, Specs A) ER Consented Dewatering & Granulation System (Clause 5.4.3.17.a, Specs A) Submit Two Complete Sets Dewatering & Granulation System to IC, ER for Register Design (Clause 5.4.3.22, Specs A)	14 7 14 7 14 7 35 7 14 0 7	28-Nov-20 12-Dec-20 19-Dec-20 02-Jan-21 09-Jan-21 30-Jan-21 30-Jan-21 06-Feb-21 20-Feb-21	11-Dec-20 18-Dec-20 01-Jan-21 08-Jan-21 22-Jan-21 29-Jan-21 05-Mar-21 05-Feb-21 19-Feb-21 19-Feb-21 26-Feb-21	04-Deo-20A 14-Feb-21 21-Feb-21 07-Mar-21 14-Mar-21 28-Mar-21 04-Apr-21 04-Apr-21 11-Apr-21 25-Apr-21	20-Feb-21 06-Mar-21 13-Mar-21 27-Mar-21 03-Apr-21 08-May-21 10-Apr-21 24-Apr-21 24-Apr-21 01-May-21	611 611 611 611 611 611 611 611 611			O2_C57120
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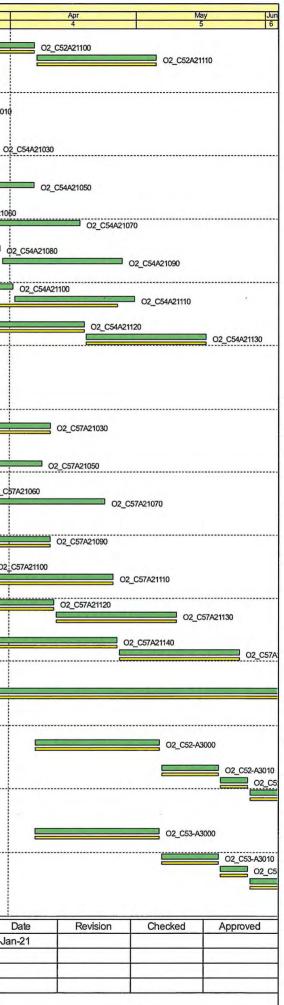




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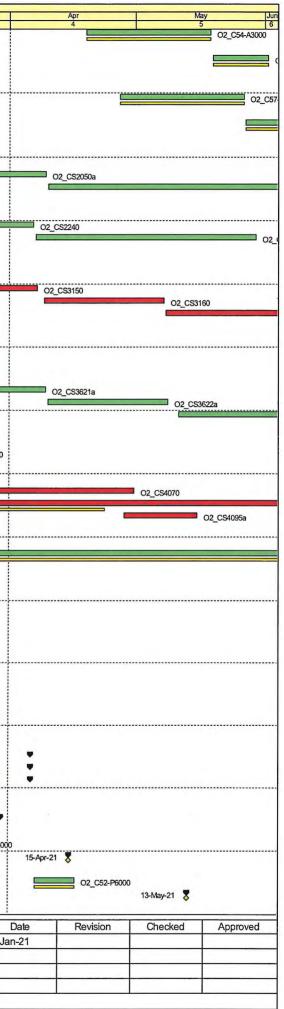


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29	07-Apr-21	05-May-21	07-Apr-21	05-May-21	183			-
107	19-Nov-20	17-May-21	19-Nov-20 A	17-May-21	265			
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98	13-Dec-20	11-Mar-21	13-Dec-20 A	08-Apr-21	145			
60	13-Dec-20	10-Feb-21	13-Dec-20 A	10-Mar-21	20			O2 C57A2104
29	11-Feb-21	11-Mar-21	11-Mar-21	08-Apr-21	145			
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70	12-Jan-21	10-Apr-21	12-Jan-21 A	10-Apr-21	278			
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104 91 194/w20 115/w21 194/w20 104 104 92 194/w20 115/w21 194/w20 116/w21 104 93 194/w20 115/w21 194/w20 116/w21 104/w21 94 194/w20 115/w21 194/w20 116/w21 104/w21 95 07.65/w21 07.65/w21 195/w22 06/w22 114 96 195/w20 07.65/w21 195/w22 06/w22 104 97 195/w20 07.65/w21 195/w22 194/w21 06/w22 194/w21 98 195/w20 07.65/w21 195/w22 194/w21 07.66/w21 195/w22 07.66/w21 194/w21 98 195/w20 07.66/w21 195/w23 04/w21 194/w21 04/w21 99 195/w20 07.66/w21 1</td></td>	Image: Market intermed and and and and and and and and and an	57 10-Mar-21 06-Apr-21 28 10-Mar-21 06-Apr-21 107 19-Nov-20 17-May-21 60 19-Nov-20 17-Jan-21 29 07-Apr-21 05-May-21 60 19-Nov-20 17-Jan-21 29 18-Jan-21 15-Feb-21 60 29-Nov-20 27-Jan-21 29 28-Jan-21 25-Feb-21 60 99-Dec-20 07-Feb-21 77 19-Dec-20 17-Mar-21 77 19-Dec-20 17-Mar-21 60 19-Dec-20 26-Feb-21 77 19-Dec-20 26-Feb-21 29 17-Feb-21 17-Mar-21 77 29-Dec-20 26-Apr-21 89 28-Jan-21 26-Apr-21 89 28-Jan-21 26-Apr-21 100 07-Feb-21 17-May-21 71 07-Feb-21 17-May-21 74 07-Feb-21 17-May-21 74 07-Feb-21 17-May-21 </td <td>57 10-Mar-21 05-May-21 10-Mar-21 28 10-Mar-21 05-May-21 10-Mar-21 29 07-Apr-21 05-May-21 19-Mox-20 107 19-Nox-20 15-Feb-21 19-Nox-20 60 19-Nox-20 15-Feb-21 19-Nox-20 29 18-Jan-21 15-Feb-21 19-Nox-20 29 28-Jan-21 25-Feb-21 29-Nox-20 29 28-Jan-21 25-Feb-21 19-Doc-20 65 09-Doc-20 07-Mar-21 09-Doc-20 60 09-Doc-20 17-Mar-21 19-Doc-20A 60 19-Doc-20 17-Mar-21 19-Doc-20A 60 19-Doc-20 16-Feb-21 19-Doc-20A 60 19-Doc-20 16-Feb-21 19-Doc-20A 60 19-Doc-20 17-Mar-21 20-Mar-21 77 29-Doc-20 27-Mar-21 29-Doc-20 10 07-Feb-21 17-Mar-21 10-Mar-21 10 07-Feb-21 17-Mar-21 10-Mar-21</td> <td>57 10 Mar.21 05 May.21 10 Mar.21 05 May.21 07 Apr.21 05 May.21 28 10 Mar.21 06 Apr.21 10 Mar.21 05 Apr.21 07 Apr.21 05 May.21 29 07 Apr.21 07 Apr.21 07 May.20 18 Mar.21 60 19 Mov.20 15 Feb.21 19 Mov.20 17 May.21 60 29 Mov.20 25 Feb.21 29 Mov.20 27 Feb.21 60 29 Mov.20 25 Feb.21 29 Mov.20 27 Feb.21 29 29 Amr.21 29 Feb.21 29 Mar.21 19 Mov.20 10 Feb.21 29 07 Feb.21 07 Mar.21 09 Mar.21 06 Apr.21 29 07 Feb.21 07 Mar.21 19 Mov.20 17 Apr.21 29 07 Feb.21 17 Mar.21 29 Mar.21 28 Apr.21 29 Apr.21 29 17 Feb.21 17 Mar.21 29 Mar.21 27 Apr.21 29 17 Feb.21 17 Mar.21 29 Mar.21 27 Apr.21 29 27 Feb.21 27 Mar.21 29 Apr.21</td> <td>5.7 10 Mar-21 05 May-21 10 Mar-21 05 May-21 10 Mar-21 05 May-21 112 28 10 Mar-21 06 May-21 10 Mar-21 06 May-21 112 107 19 Nav-20 17 May-21 19 Mar-21 19 Mar-21 122 60 19 Nav-20 17 May-21 19 Mar-21 127 60 19 Nav-20 17 May-21 19 Nav-20 19 Mar-21 127 60 29 Nav-20 27 Mar-21 19 Nav-20 28 Mar-21 10 Nav-21 19 Nav-20 28 Mar-21 10 Nav-21 19 Nav-20 28 Mar-21 10 Nav-21 10 Nav-21</td> <td>57 10.Mar/21 05.Mar/21 10.Mar/21 05.Mar/21 10. 28 10.Mar/21 05.Ar/21 10.5 10.5 10.5 28 10.Mar/21 05.Ar/21 10.5 10.5 10.5 29 07.4r/21 05.4r/21 10.5 10.5 10.5 00 19.Mar/21 19.Mar/21 19.Mar/21 10.5 20.5 00 19.Mar/21 19.Mar/21 19.Mar/21 10.5 20.5 00 29.Mar/21 19.4r/21 19.4r/21 10.5 20.5 10.5 01 60 29.4r/20.20 25.4r/21 29.4r/21 10.4r/21 10.5 10.5 01 60 69.Doc 20 06.4r/21 09.20 06.5r/21 11.4r/21 29.4r/21 10.4r/21 10.4r/21</td> <td>97 194/w21 654/w21 104/w21 654/w21 104 98 194/w21 694/w21 104/w21 694/w21 104 99 194/w20 104/w21 694/w21 104 104 90 194/w20 104/w21 694/w21 104 104 90 194/w20 115/w21 194/w20 104 104 91 194/w20 115/w21 194/w20 104 104 92 194/w20 115/w21 194/w20 116/w21 104 93 194/w20 115/w21 194/w20 116/w21 104/w21 94 194/w20 115/w21 194/w20 116/w21 104/w21 95 07.65/w21 07.65/w21 195/w22 06/w22 114 96 195/w20 07.65/w21 195/w22 06/w22 104 97 195/w20 07.65/w21 195/w22 194/w21 06/w22 194/w21 98 195/w20 07.65/w21 195/w22 194/w21 07.66/w21 195/w22 07.66/w21 194/w21 98 195/w20 07.66/w21 195/w23 04/w21 194/w21 04/w21 99 195/w20 07.66/w21 1</td>	57 10-Mar-21 05-May-21 10-Mar-21 28 10-Mar-21 05-May-21 10-Mar-21 29 07-Apr-21 05-May-21 19-Mox-20 107 19-Nox-20 15-Feb-21 19-Nox-20 60 19-Nox-20 15-Feb-21 19-Nox-20 29 18-Jan-21 15-Feb-21 19-Nox-20 29 28-Jan-21 25-Feb-21 29-Nox-20 29 28-Jan-21 25-Feb-21 19-Doc-20 65 09-Doc-20 07-Mar-21 09-Doc-20 60 09-Doc-20 17-Mar-21 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Mar-21 19 Mar-21 122 60 19 Nav-20 17 May-21 19 Mar-21 127 60 19 Nav-20 17 May-21 19 Nav-20 19 Mar-21 127 60 29 Nav-20 27 Mar-21 19 Nav-20 28 Mar-21 10 Nav-21 19 Nav-20 28 Mar-21 10 Nav-21 19 Nav-20 28 Mar-21 10 Nav-21 10 Nav-21	57 10.Mar/21 05.Mar/21 10.Mar/21 05.Mar/21 10. 28 10.Mar/21 05.Ar/21 10.5 10.5 10.5 28 10.Mar/21 05.Ar/21 10.5 10.5 10.5 29 07.4r/21 05.4r/21 10.5 10.5 10.5 00 19.Mar/21 19.Mar/21 19.Mar/21 10.5 20.5 00 19.Mar/21 19.Mar/21 19.Mar/21 10.5 20.5 00 29.Mar/21 19.4r/21 19.4r/21 10.5 20.5 10.5 01 60 29.4r/20.20 25.4r/21 29.4r/21 10.4r/21 10.5 10.5 01 60 69.Doc 20 06.4r/21 09.20 06.5r/21 11.4r/21 29.4r/21 10.4r/21	97 194/w21 654/w21 104/w21 654/w21 104 98 194/w21 694/w21 104/w21 694/w21 104 99 194/w20 104/w21 694/w21 104 104 90 194/w20 104/w21 694/w21 104 104 90 194/w20 115/w21 194/w20 104 104 91 194/w20 115/w21 194/w20 104 104 92 194/w20 115/w21 194/w20 116/w21 104 93 194/w20 115/w21 194/w20 116/w21 104/w21 94 194/w20 115/w21 194/w20 116/w21 104/w21 95 07.65/w21 07.65/w21 195/w22 06/w22 114 96 195/w20 07.65/w21 195/w22 06/w22 104 97 195/w20 07.65/w21 195/w22 194/w21 06/w22 194/w21 98 195/w20 07.65/w21 195/w22 194/w21 07.66/w21 195/w22 07.66/w21 194/w21 98 195/w20 07.66/w21 195/w23 04/w21 194/w21 04/w21 99 195/w20 07.66/w21 1

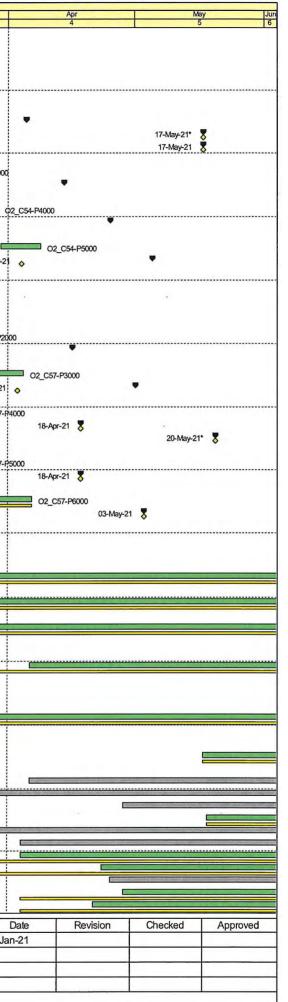


	Activity Name	Original Duration	Baseline Start Date	Baseline Finish Date	Start	Finish	Total Float	Jan	Feb	2021 Mar
O2_C54-A3000	Stage 3- Anaerobic Digestion Treatment System (Clause 5.4.3.9, Specs A)	30	19-Apr-21	18-May-21	19-Apr-21	18-May-21	112	1	2	3
	CERTIFICATION	14	19-May-21	01-Jun-21	19-May-21	01-Jun-21	112			
O2_C54-A3010	IC Comment on the submitted AD Treatment System (Clause 5.4.3.9, Specs A)	14	19-May-21	01-Jun-21	19-May-21	01-Jun-21	112			
C5.7 - STAGE 3 -	GRANULATION SYSTEM	44	27-Apr-21	09-Jun-21	27-Apr-21	09-Jun-21	20			
SUBMISSION		30	27-Apr-21	26-May-21	27-Apr-21	26-May-21	20			
O2_C57-A3000	Stage 3 - Dewatering & Granulation System (Clause 5.4.3.9, Specs A)	30	27-Apr-21	26-May-21	27-Apr-21	26-May-21	20			
IC CHECKING 8	CERTIFICATION	14	27-May-21	09-Jun-21	27-May-21	09-Jun-21	20			
O2_C57-A3010	IC Comment on the submitted Dewatering & Granulation System (Clause 5.4.3.9, Specs A)	14	27-May-21	09-Jun-21	27-May-21	09-Jun-21	20			
	AND BUILDING WORKS	533	16-Sep-20	29-Sep-21	16-Dec-19 A	28-Aug-21	560	/	1	
CEPTION BUILDI	NG (INCLUDING ADMINISTRATION BUILDING)	149	21-Nov-20	13-Mar-21	20-Nov-20 A	07-Jun-21	618			
and the second second second	PTION BUILDING @ GL SD-SJ/S1-S7 (INCLUDING VEHICLE WASHING AREA) (ZONE1)	140	02-Dec-20	11-Mar-21	20-Nov-20 A	07-Jun-21	20			
2_CS2050a	Columns and Walls +38.325mPD	40	02-Dec-20	20-Jan-21	20-Nov-20 A	09-Apr-21	30			
2_CS2070a	Ground slab and beams to +38.625mPD	40	21-Jan-21	11-Mar-21						
and the second s	NISTRATION BUILDING @ GL SA-SD/S2-S7 (INCLUDING STARCASE AREA) (ZONE 1)	143	21-Jarr-21 21-Nov-20	13-Mar-21	10-Apr-21	07-Jun-21	30			
2_CS2239b	Installation of Earth Mat				07-Dec-20 A	29-May-21	0,24			
2_CS2240		10	21-Nov-20	02-Dec-20	07-Dec-20 A	11-Dec-20 A			×	
2_CS2240 2_CS2250	Ground Floor +38.625m (ind staircase area) +36.775mPD (Lift Pit)	34	16-Dec-20	27-Jan-21	16-Dec-20 A	06-Apr-21	56			Contract of the second s
-	Columns, Wals and Slab to +43.225mPD (G/F) (ind staricase area)	36	28-Jan-21	13-Mar-21	07-Apr-21	29-May-21	56			
	TION TANKS (4 AD Tanks)	139	02-Dec-20	11-Mar-21	02-Dec-20 A	05-Jun-21	-12			
and the second	DATION & RC WORKS (FIRST 2 TANKS) (ZONE 2)	139	02-Dec-20	11-Mar-21	02-Dec-20 A	05-Jun-21	-32		and the second se	
2_CS3140	1st Lift of Chamber Wall for Tanks (5m height)	20	02-Dec-20	24-Dec-20	02-Dec-20 A	10-Mar-21	-32			O2_CS3140
	2nd Lift of Chamber Wal for Tanks (5m height)	20	28-Dec-20	20-Jan-21	11-Mar-21	07-Apr-21	-32			
A contract of the best of the second	3rd Lift of Chamber Wall for Tanks (5m height)	20	21-Jan-21	16-Feb-21	09-Apr-21	07-May-21	-32			
2_CS3170	4th Lift of Chamber Wall for Tanks (5m height)	20	17-Feb-21	11-Mar-21	08-May-21	05-Jun-21	-32			
TANKS - FOUND	DATION & RC WORKS (REMAINING 2 TANKS) (ZONE 2)	10	04-Dec-20	15-Dec-20	07-Dec-20 A	16-Dec-20 A				
2_CS3104a	Raft Footing for Tanks - Bay 7	10	04-Dec-20	15-Dec-20	07-Dec-20 A	16-Dec-20 A				
GAS STORAGE	TANKS, DIGESTATE TANK & PUMP ROOM	80	02-Dec-20	11-Mar-21	17-Feb-21	07-Jun-21	79			
GESTATE TANK (ZONE 2)	80	02-Dec-20	11-Mar-21	17-Feb-21	07-Jun-21	79			
2_CS3620a	1st Lift of Chamber Wall for Tanks (4m height)	20	02-Dec-20	24-Dec-20	17-Feb-21	11-Mar-21	79			00.00000
	2nd Lift of Chamber Wal for Tanks (4m height)	20	28-Deo-20	20-Jan-21	12-Mar-21	09-Apr-21	79			02_CS3620
	3rd Lift of Chamber Wall for Tanks (4m height)	20	21-Jan-21	16-Feb-21	10-Apr-21		79			
	4th Lift of Chamber Wall for Tanks (4m height)	20	17-Feb-21	11-Mar-21		08-May-21				
UNDARY WALL (85			11-May-21	07-Jun-21	79			
CS3800a	RC Upstand		16-Sep-20	05-Feb-21	16-Sep-20 A	19-Mar-21	293			
_CS3840	Backfilling	85	16-Sep-20	31-Dec-20	16-Sep-20 A	09-Feb-21	293		02_CS3800a	
		30	02-Jan-21	05-Feb-21	10-Feb-21	19-Mar-21	293			0
	LDING & FACILITIES	151	21-Dec-20	23-Apr-21	21-Dec-20 A	21-Jun-21	-37			
	GL NA~NI/N1~N7)	151	21-Deo-20	23-Apr-21	21-Dec-20 A	21-Jun-21	-37			
2_CS4070	Construct Base Slab +31.050mPD	60	21-Dec-20	06-Mar-21	21-Dec-20 A	30-Apr-21	-3			
2_CS4080	Column and Wall up to +38.075mPD	60	02-Feb-21	23-Apr-21	23-Mar-21	21-Jun-21	-39			
	Tower Crane Erection	12	05-Mar-21	18-Mar-21	28-Apr-21	15-May-21	-15			
ERNAL WORKS		533	16-Dec-20	29-Sep-21	16-Dec-19 A	28-Aug-21	72		Ν	
_CS6060	Standby Flare slab (ind. mini-piling)	48	16-Dec-20	16-Feb-21	16-Dec-19A	10-Feb-21	72		O2_CS6060)
_CS6110	Geotechnical Works (slope stabilization etc.)	140	12-Mar-21	29-Sep-21	11-Feb-21	28-Aug-21	72			
MAJOR EQUIPM	IENT PROCUREMENT (AGRIVERT)	101	08-Dec-20	20-May-21	08-Feb-21	20-May-21	292			
2 & C5.3 WASTE	RECEIVING & PRE-TREATMENT SYSTEMS	93	09-Jan-21	13-May-21	09-Feb-21	13-May-21	183			
ning		36	09-Jan-21	15-Feb-21	09-Feb-21	17-Mar-21	69			
2_C52-P1000	Preparation of Purchase Order and LOA: Huning	12	09-Jan-21	20-Jan-21	09-Feb-21*	20-Feb-21	93		02.02	52-P1000
2_C52-P1010	LOA Issued to Supplier: Huning		14-Feb-21		17-Mar-21		69		17-Mar-21	JZ-F 1000
U		0					69			
		0			1/-Mar-21*				17 Mar 04*	
2_C52-P1020	***Earliest Date to place orders: Huning Equipment:	0	15-Feb-21		17-Mar-21*				17-Mar-21*	
2_C52-P1020 2_C52-P1030	***Earliest Date to place orders: Huning Equipment: Reception Bunker Buk Unloading Lids (LI101 to 401) [inc. Hydraulic Power Unit]: Place Purchase Order	0	15-Feb-21 15-Feb-21		17-Mar-21		69		17-Mar-21 💊	÷
2_C52-P1020 2_C52-P1030 2_C52-P1040	***Earliest Date to place orders: Huning Equipment: Reception Bunker Bulk Unloading Lids (LI101 to 401) [inc. Hydraulic Power Unit]: Place Purchase Order Waste Reception Push Floor Bunker (PF101/102/103 to 401/402/403): Place Purchase Order	0 0 0	15-Feb-21 15-Feb-21 15-Feb-21		17-Mar-21 17-Mar-21		69 69		17-Mar-21 💊 17-Mar-21 💊	
2_C52-P1020 2_C52-P1030 2_C52-P1040 2_C52-P1050	***Earliest Date to place orders: Huning Equipment: Reception Bunker Buk Unloading Lids (LI101 to 401) [inc. Hydraulic Power Unit]: Place Purchase Order	0 0 0 0	15-Feb-21 15-Feb-21 15-Feb-21 15-Feb-21		17-Mar-21 17-Mar-21 17-Mar-21	20.14	69 69 69		17-Mar-21	
2_C52-P1020 2_C52-P1030 2_C52-P1040 2_C52-P1050 ele	***Earliest Date to place orders: Huning Equipment: Reception Bunker Bulk Unloading Lids (LI101 to 401) [inc. Hydraulic Power Unit]: Place Purchase Order Waste Reception Push Floor Bunker (PF101/102/103 to 401/402/403): Place Purchase Order Reception Bunker Collecting Screw Conveyors (CO101 to 401): Place Purchase Order	0 0 0 0 38	15-Feb-21 15-Feb-21 15-Feb-21 15-Feb-21 19-Jan-21	29-Mar-21	17-Mar-21 17-Mar-21 17-Mar-21 19-Feb-21	29-Mar-21	69 69 69 179		17-Mar-21 💊 17-Mar-21 💊	_
2_C52-P1020 2_C52-P1030 2_C52-P1040 2_C52-P1050 cle 2_C53-P3000	***Earliest Date to place orders: Huning Equipment: Reception Bunker Buk Unloading Lids (LI101 to 401) [inc. Hydraulic Power Unit]: Place Purchase Order Waste Reception Push F bor Bunker (PF101/102/103 to 401/402/403): Place Purchase Order Reception Bunker Collecting Screw Conveyors (CO101 to 401): Place Purchase Order Preparation of Purchase Order and LOA: Elsele	0 0 0 38 12	15-Feb-21 15-Feb-21 15-Feb-21 15-Feb-21 19-Jan-21 19-Jan-21	29-Mar-21 30-Jan-21	17-Mar-21 17-Mar-21 17-Mar-21 19-Feb-21 19-Feb-21	29-Mar-21 02-Mar-21	69 69 69 179 205	4	17-Mar-21	O2_C53-P3000
2_C52-P1020 2_C52-P1030 2_C52-P1040 2_C52-P1050 ele 2_C53-P3000 2_C53-P3010	***Earliest Date to place orders: Huning Equipment: Reception Bunker Buk Unloading Lids (L1101 to 401) [inc. Hydraulic Power Unit]: Place Purchase Order Waste Reception Push F bor Bunker (PF101/102/103 to 401/402/403): Place Purchase Order Reception Bunker Collecting Screw Conveyors (CO101 to 401): Place Purchase Order Preparation of Purchase Order and LOA: Elsele LOAIssued to Supplier: Elsele	0 0 0 38 12 0	15-Feb-21 15-Feb-21 15-Feb-21 15-Feb-21 19-Jan-21 19-Jan-21 24-Feb-21	and the second se	17-Mar-21 17-Mar-21 17-Mar-21 19-Feb-21 19-Feb-21 27-Mar-21		69 69 69 179 205 181	\langle	17-Mar-21 💊 17-Mar-21 💊	_
2_C52-P1020 2_C52-P1030 2_C52-P1040 2_C52-P1050 elo 2_C53-P3000 2_C53-P3010 2_C53-P3020	***Earliest Date to place orders: Huning Equipment: Reception Bunker Buk Unloading Lids (LI101 to 401) [inc. Hydraulic Power Unit]: Place Purchase Order Waste Reception Push F bor Bunker (PF101/102/103 to 401/402/403): Place Purchase Order Reception Bunker Collecting Screw Conveyors (CO101 to 401): Place Purchase Order Preparation of Purchase Order and LOA: Elsele	0 0 0 38 12 0 0	15-Feb-21 15-Feb-21 15-Feb-21 15-Feb-21 19-Jan-21 19-Jan-21 24-Feb-21 29-Mar-21	30-Jan-21	17-Mar-21 17-Mar-21 17-Mar-21 19-Feb-21 19-Feb-21 27-Mar-21 29-Mar-21*	02-Mar-21	69 69 179 205 181 179	\langle	17-Mar-21	O2_C53-P3000
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	Activity Name	Original Duration	Baseline Start Date	Baseline Finish Date	Start	Finish	Total Float	Jan 1	Feb	2021 Mar
JMA		36	18-Jan-21	24-Mar-21	18-Feb-21	26-Mar-21	272		2	3
02_C54-P1000	Preparation of Purchase Order and LOA: SUMA	10	18-Jan-21	27-Jan-21	18-Feb-21	27-Feb-21	298			02_C54-P1000
2_C54-P1010	LOAIssued to Supplier: SUMA	0	23-Feb-21		26-Mar-21		272		26-Mar-21	
2_C54-P1020	Earliest Date to place order: SUMA	0	24-Mar-21		26-Mar-21*		272			26-Mar-21*
02_C54-P1030	Digester Tanks Stirrer (MX101/102/103/104 to MX401/402/403/404): Place Purchase Order	0	24-Mar-21		26-Mar-21		272			26-Mar-21
AT .		78	28-Jan-21	17-May-21	28-Feb-21	17-May-21	59			
2_C54-P2000	Preparation of Purchase Order and LOA: AAT	10	28-Jan-21	06-Feb-21	28-Feb-21	09-Mar-21	127	4		02_C54-P2000
02_C54-P2010	LOA Issued to Supplier: AAT	0	05-Mar-21		05-Apr-21		101		05-Apr-	-21 💊
02_C54-P2020	***Earliest Date to place order: AAT	0	17-May-21		17-May-21*		59			
2_C54-P2030	Biogas Tanks (TK101 to 201) [Gas Holder]: Place Purchase Order	0	17-May-21		17-May-21	1	59			
angen		36	07-Feb-21	15-Mar-21	09-Mar-21	14-Apr-21	141			
2_C54-P3000	Preparation of Purchase Order and LOA: Wangen	10	07-Feb-21	16-Feb-21	09-Mar-21	18-Mar-21	167			02_0
02_C54-P3010	LOA Issued to Supplier: Wangen	0	15-Mar-21		14-Apr-21		141			14-Apr-21 💊
ogelsang		36	17-Feb-21	25-Mar-21	20-Mar-21	25-Apr-21	295			
2_C54-P4000	Preparation of Purchase Order and LOA: Vogelsang	10	17-Feb-21	26-Feb-21	20-Mar-21	29-Mar-21	321			
2_C54-P4010	LOAIssued to Supplier: Vogelsang	0	25-Mar-21		25-Apr-21		295			25-Apr-21
ygt		36	27-Feb-21	04-Apr-21	30-Mar-21	05-May-21	247			
2_C54-P5000	Preparation of Purchase Order and LOA: Flight	10	27-Feb-21	08-Mar-21	30-Mar-21	08-Apr-21	273		-	
2_C54-P5010	LOAIssued to Supplier: Flight	0	04-Apr-21		05-May-21		247			
	NG AND GRANULATION SYSTEM	101	08-Dec-20	20-May-21	08-Feb-21	20-May-21	292			
orset		29	08-Dec-20	06-Jan-21	08-Feb-21	09-Mar-21	162			
2_C57-P1000	Preparation of Purchase Order and LOA: Dorset	. 10	08-Dec-20	17-Dec-20	08-Feb-21	17-Feb-21	181		02_C57-P10	000
2_C57-P1010	LOAIssued to Supplier: Dorset	0	06-Jan-21		09-Mar-21		162		100 Total 100	•
orger		36	11-Feb-21	19-Mar-21	11-Mar-21	16-Apr-21	145			
2_C57-P2000	Preparation of Purchase Order and LOA: Borger	10	11-Feb-21	20-Feb-21	11-Mar-21	20-Mar-21	171			o
2_C57-P2010	LOA Issued to Supplier: Borger	0	19-Mar-21		16-Apr-21		145			16-Apr-21 👩
a Laval		36	26-Feb-21	03-Apr-21	26-Mar-21	01-May-21	216			•
2_C57-P3000	Preparation of Purchase Order and LOA: Alfa Laval	10	26-Feb-21	07-Mar-21	26-Mar-21	04-Apr-21	242			
2_C57-P3010	LOA Issued to Supplier: Alfa Laval	0	03-Apr-21		01-May-21		216			
uning		68	13-Mar-21	20-May-21	13-Mar-21	20-May-21	162			
2_C57-P4000	Preparation of Purchase Order and LOA: Huning	10	13-Mar-21	22-Mar-21	13-Mar-21	22-Mar-21	220			
2_C57-P4010	LOA Issued to Supplier: Huning	0	18-Apr-21		18-Apr-21		194			
2_C57-P4020	***Earliest Date to place orders: Huning	0	20-May-21		20-May-21*		162			
angen		36	13-Mar-21	18-Apr-21	13-Mar-21	18-Apr-21	278			
2_C57-P5000	Preparation of Purchase Order and LOA: Wangen	10	13-Mar-21	22-Mar-21	13-Mar-21	22-Mar-21	304			
2_C57-P5010	LOA Issued to Supplier: Wangen	0	18-Apr-21		18-Apr-21		278			
ominent		36	28-Mar-21	03-May-21	28-Mar-21	03-May-21	309			
2_C57-P6000	Preparation of Purchase Order and LOA: Prominent	10	28-Mar-21	06-Apr-21	28-Mar-21	06-Apr-21	335	-		
2_C57-P6010	LOA Issued to Supplier: Prominent	0	03-May-21		03-May-21		309			
	PMENT FABRICATION & DELIVERY (AGRIVERT)	237	15-Feb-21	08-Nov-21	17-Mar-21	08-Nov-21	212			
2 & C5.3 WASTE	E RECEIVING & PRE-TREATMENT SYSTEMS	210	15-Feb-21	12-Sep-21	17-Mar-21	12-Oct-21	86			
ining		210	15-Feb-21	12-Sep-21	17-Mar-21	12-0d-21	69			
eception Bunke	(er Collecting Screw Conveyors (CO101 to 401)	210	15-Feb-21	12-Sep-21	17-Mar-21	12-Oct-21	69			
02_C52-P1200	Reception Bunker Collecting Screw Conveyors (CO101 to 401): Equipment Delivery	210	15-Feb-21	12-Sep-21	17-Mar-21	12-0d-21	69			
Vaste Reception	n Push Floor Bunker (PF 101/102/103 to 401/402/403)	210	15-Feb-21	12-Sep-21	17-Mar-21	12-0ct-21	69	and the second	A State of the State of the State	and the second second second
02_C52-P1220	Waste Reception Push Floor Bunker (PF101/102/103 to 401/402/403): Equipment Delivery	210	15-Feb-21	12-Sep-21	17-Mar-21	12-0d-21	69			
eception Bunke	ter Bulk Unloading Lids (LI101 to 401) [inc. Hydraulic Power Unit]	210	15-Feb-21	12-Sep-21	17-Mar-21	12-0d-21	69			
D2_C52-P1240	Reception Bunker Bulk Unloading Lids (LI101 to 401) [inc. Hydraulic Power Unit]: Equipment Delivery	210	15-Feb-21	12-Sep-21	17-Mar-21	12-Oct-21	69			
JMA		168	29-Mar-21	12-Sep-21	06-Apr-21	20-Sep-21	108			
ubstrate Tanks	s Stirrers (MX101/102 to 401/402)	168	29-Mar-21	12-Sep-21	06-Apr-21	20-Sep-21	108			
02_C53-P2200	Substrate Tanks Stirrers (MX101/102 to 401/402): Equipment Delivery	168	29-Mar-21	12-Sep-21	06-Apr-21	20-Sep-21	108			
4 - ANAEROBIC	DIGESTION TREATMENT SYSTEM	228	24-Mar-21	08-Nov-21	26-Mar-21	08-Nov-21	212			
JMA		168	24-Mar-21	07-Sep-21	26-Mar-21	09-Sep-21	272			
igester Tanks S	Stirrer (MX101/102/103/104 to MX401/402/403/404)	168	24-Mar-21	07-Sep-21	26-Mar-21	09-Sep-21	272			
02_C54-P1220	Digester Tanks Stirrer (MX101/102/103/104 to MX401/402/403/404): Equipment Delivery	168	24-Mar-21	07-Sep-21	26-Mar-21	09-Sep-21	272			
г		176	17-May-21	08-Nov-21	17-May-21	08-Nov-21	59			
ogas Tanks (Th	K101 to 201) [Gas Holder]	176	17-May-21	08-Nov-21	17-May-21	08-Nov-21	59			
02 C54-P2200	Biogas Tanks (TK101 to 201) [Gas Holder]: Equipment Delivery	176	17-May-21	08-Nov-21	17-May-21	08-Nov-21	59			
A COLORED TO A COL	UIPMENT FABRICATION & DELIVERY	532	21-Jan-21	10-Aug-22	17-Mar-21	30-Aug-22	310			
D9000	Procurement, Fabrication & Delivery of Pre-treatment Equipment (Summary of C52-P1280 to C53-P3200)	372	28-Jan-21	24-Mar-22	06-Apr-21	12-Apr-22	44	/		
D9005a	Procurement, Fabrication & Delivery of Waking Floor System (Summary of C52-P1200 to C52-P1260)	372	28-Jan-21	24-Mar-22	17-Mar-21	12-Apr-22 24-Mar-22	44	f		
D9010a	Procurement, Fabrication & Delivery of Hammerrrills & Containments Press (Summary of C53-P5200 & C53-P4		20-Jan-21 21-Jan-21	13-Jan-22	28-Apr-21	24-mar-22 13-Jan-22	46			
D9020	Producement, Fabrication & Delivery of Heating Coils for Digesters	180	18-May-21	13-Nov-21	18-May-21	13-Jan-22 13-Nov-21	40			
D9021a	Procurement, Fabrication & Delivery of Anaerobic Digestion Equipment (Summary of C54-P1200 to C54-P1220		11-Feb-21	14-Apr-22	26-Mar-21	14-Apr-22	43			
D9023a	Procurement, Fabrication & Delivery of Gas Holders, Conditioning Plant & Asso. Equipment (C54-P2200 & C54-	· · · · · · · · · · · · · · · · · · ·	21-Jan-21	10-Aug-22	04-Apr-21	30-Aug-22	310			
D9025a	Procurement, Fabrication & Delivery of Flare	300	21-Jan-21	16-Nov-21	04-Apr-21	28-Jan-22	215			••••••
D9030	Procurement & Fabrication of CHP Units	330	24-Mar-21	16-Feb-22	23-Apr-21	18-Mar-22	215			
D9060a	Procurement, Fabrication & Delivery of Granulation Equipment (Summary of C57-P1200 to C57-P7210)	460	20-Feb-21	28-Jul-22	25-Apr-21	28-Jul-22	343			
D9080	Procurement, Fabrication & Delivery of Centralized Air Pollution Control Equipment	300	04-Apr-21	28-Jan-22	28-Apr-21	21-Feb-22	77			
D9100	Procurement, Fabrication & Delivery of Wastewater Treatment Equipment	270	04-Apr-21	29-Dec-21	21-Apr-21	15-Jan-22	51			
		1.7.7.1								
	File Name: OWTF2_3M_2021.01	RemainingWork					Contra	ct No. EP/SP/86	/15	
	Layout: ORRC2_WP_2021.01_3M	Remaining Work (Olitical)								
	Task filter: TASK filters: 3MNM, 3MRPWP2.	Adual Wate			0	rganic V	laste '	Treatment Facili	ties, Phase 2	
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			1				-ing r	regramme znu l	3346	
	INT VENTURE Page 12 of 13	Saxtine Mieskne						s Rolling Progra		



tivity ID	Activity Name	Original	Baseline Start	Baseline Finish	Start	Finish	Total			2021	
		Duration	Date	Date			Float	Jan	Feb	Mar	
O2_D9130	Procurement & Fabrication of HV Transformers	260	21-Apr-21	05-Jan-22	21-Apr-21	05-Jan-22	59		2	3	
O2_D9160	Procurement, Fabrication & Delivery of HV Switchboards	270	21-Apr-21	15-Jan-22	21-Apr-21	15-Jan-22	79				1
O2_D9170	Procurement & Fabrication of LV Switchboards & MCC	270	21-Apr-21	15-Jan-22	21-Apr-21	15-Jan-22	66				
O2_D9250	Procurement, Fabrication & Delivery of Odour Control Ducts	240	04-Apr-21	29-Nov-21	28-Apr-21	23-Dec-21	119				1
O2_D9270	Procurement, Fabrication & Delivery of Lifting Beams / Monorail Crane	240	22-Mar-21	16-Nov-21	09-Apr-21	04-Dec-21	27				
O2_D9280	Procurement, Fabrication & Delivery of P/D Equipment / Material	240	12-Apr-21	07-Dec-21	21-May-21	15-Jan-22	166				T
O2_D9300	Procurement, Fabrication & Delivery of Cooling Tower / Chillers	300	21-Apr-21	14-Feb-22	14-May-21	09-Mar-22	110				1
O2_D9330a	Procurement, Fabrication & Delivery of Electrical Equipment /. Material	240	21-Apr-21	16-Dec-21	21-Apr-21	16-Dec-21	126				1
O2_D9340	Procurement, Fabrication & Delivery of ELV, ACS & CCTV	240	22-Apr-21	17-Dec-21	30-Apr-21	25-Dec-21	170				1
O2_D9380	Procurement, Fabrication & Delivery of FS Equipment	240	13-Mar-21	07-Nov-21	10-May-21	04-Jan-22	152				
O2_D9400	Procurement, Fabrication & Delivery of Vehicle Washing Plant	240	22-Mar-21	16-Nov-21	04-May-21	29-Dec-21	183	•••••••••••••••••••••••••••••••••••••••			
O2_D9420	Procurement, Fabrication & Delivery of Weightbridge	240	22-Mar-21	16-Nov-21	04-May-21	29-Dec-21	126				
O2_D9450	Procurement, Fabrication & Delivery of Chemical Storage & Dosing System	180	04-Apr-21	30-Sep-21	21-Apr-21	17-0d-21	183				
E&MINSTALLA	TION WORKS	136	28-Jan-21	28-Jun-21	07-Apr-21	11-Sep-21	62	1			1
O2_EM0030	Installation of Conseal Conduits	136	28-Jan-21	28-Jun-21	07-Apr-21	11-Sep-21	62				
STATUTORY INS	PECTION (FSD, WA, EMSD)	338	03-Aug-20	18-Nov-21	01-Feb-21	04-Jan-22	125		•••••••		
NGI - EMSD		180	03-Aug-20	29-Jan-21	01-Feb-21	30-Jul-21	208				1
O2_EM8520	Application for Construction Approval of NGI - Gas Holder (Form 104)	180	03-Aug-20	29-Jan-21	01-Feb-21*	30-Jul-21	208				
PLUMBING - W	SD	7	12-Apr-21	21-Apr-21	14-May-21	21-May-21	161				
O2 EM8600	Submission of WWO46 Pt I & II (A/C Water Supply)	- 0	21-Apr-21		14-May-21	armay ar	168				1
O2_EM8700	Submission of WWO46 Pt I & II (FS)	0	12-Apr-21		21-May-21						
O2_EM8710	Submission of WWO46 Pt I & II (Plumbing)	0	12-Apr-21		21-May-21		157				12
	AL PROTECTION - EPD	240	13-Mar-21	18-Nov-21	10-May-21	04-Jan-22	125				12
O2 EM8930	EPD Submission & Approval for Air Pollution Control - Genset (Clause 2.4.13, Specs A)	240	13-Mar-21	07-Nov-21	10-May-21	04-Jan-22	55				
O2 EM8940	EPD Submission & Approval for Air Pollution Control - CHP & Flare (Clause 2.4.13, Specs A)	240	24-Mar-21	18-Nov-21	10-May-21	04-Jan-22	125				\rightarrow
		240	L-T-10101-221	10-1107-21	10-11/27-21	U-FJair22	125				i

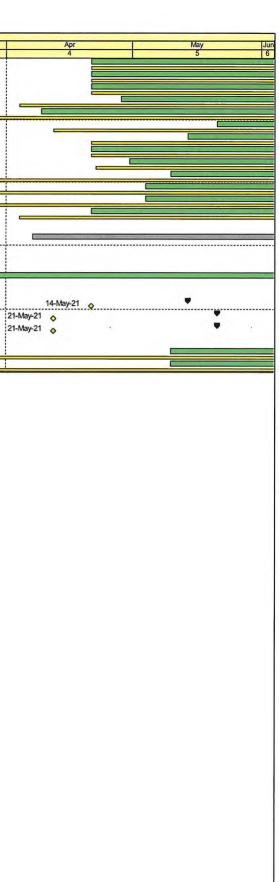


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Contract No. EP/SP/86/15 Organic Waste Treatment Facilities, Phase 2 Works Programme 2nd Issue 3-Months Rolling Programme





Date	Revision	Checked	Approved
an-21			
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Appendix E

Event and Action Plan



Event and Action Plan for	Construction Noise
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Event	Action			
	ЕТ	IEC	ER	Contractor
Action Level	1. Notify IEC and	1. Review the	1. Confirm receipt of	1. Submit noise
Exceedance	Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC and Contractor; 4. Discuss with the Contractor and formulate remedial measures; 5. Increase monitoring frequency to check mitigation	 Review the investigation results submitted by the ET; Review the proposed remedial measures by the Contractor and advise the ER accordingly; Advise the ER on the effectiveness of the proposed remedial measures. 	 Commin receipt of notification of exceedance in writing; Notify Contractor; In consultation with the IEC, agree with the Contrator on the remedial measures to be implemented; Supervise the implementation of remedial measures 	n. Subilit hoisemitigation proposalsto IEC;2. Implement noisemitigation proposals.
Limit Level Exceedance	effectiveness. 1. Inform IEC, ER, EPD and Contractor; 2. Repeat measurements to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of Contractor's working procedures; 6. Discuss with IEC, Contractor and ER on remedial measures requried; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring.	1. Discuss amongst ER, ET Leader and Contractor on the potential remedial actions; 2. Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly;	 Confirm receipt of notification of exceedance in writing; Notify Contractor; In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; Supervise the implementation of remedial measures; If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes exceedance until the exceedance is abated. 	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within 3 working days of notification; Implement the agreed proposals; Submit further proposals if problem still not under control; Stop the relevant portion of works as determined by the ER until the exceedance is abated.



Appendix F

Impact Monitoring Schedule of the Reporting Period and Coming Month



Impact Monitoring Schedule for reporting period – February 2021

	Date	Noise Monitoring
	Date	(Leq30min)
Mon	1-Feb-21	✓
Tue	2-Feb-21	
Wed	3-Feb-21	
Thu	4-Feb-21	
Fri	5-Feb-21	
Sat	6-Feb-21	
Sun	7-Feb-21	
Mon	8-Feb-21	
Tue	9-Feb-21	
Wed	10-Feb-21	
Thu	11-Feb-21	✓
Fri	12-Feb-21	
Sat	13-Feb-21	
Sun	14-Feb-21	
Mon	15-Feb-21	
Tue	16-Feb-21	
Wed	17-Feb-21	✓
Thu	18-Feb-21	
Fri	19-Feb-21	
Sat	20-Feb-21	
Sun	21-Feb-21	
Mon	22-Feb-21	
Tue	23-Feb-21	
Wed	24-Feb-21	\checkmark
Thu	25-Feb-21	
Fri	26-Feb-21	
Sat	27-Feb-21	
Sun	28-Feb-21	

Remark:

Public Holiday or Sunday



Impact Monitoring Schedule for coming month – March 2021

	D - 4 -	Noise Monitoring
	Date	(Leq30min)
Mon	1-Mar-21	
Tue	2-Mar-21	✓
Wed	3-Mar-21	
Thu	4-Mar-21	
Fri	5-Mar-21	
Sat	6-Mar-21	
Sun	7-Mar-21	
Mon	8-Mar-21	\checkmark
Tue	9-Mar-21	
Wed	10-Mar-21	
Thu	11-Mar-21	
Fri	12-Mar-21	
Sat	13-Mar-21	
Sun	14-Mar-21	
Mon	15-Mar-21	
Tue	16-Mar-21	
Wed	17-Mar-21	
Thu	18-Mar-21	
Fri	19-Mar-21	\checkmark
Sat	20-Mar-21	
Sun	21-Mar-21	
Mon	22-Mar-21	
Tue	23-Mar-21	
Wed	24-Mar-21	
Thu	25-Mar-21	\checkmark
Fri	26-Mar-21	
Sat	27-Mar-21	
Sun	28-Mar-21	
Mon	29-Mar-21	
Tue	30-Mar-21	
Wed	31-Mar-21	\checkmark

Remark:

Public Holiday or Sunday



Appendix G

Calibration Certificates of Equipment

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輝創工程有限公司

Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C204289 證書編號

ITEM TESTED / 送檢項	目	(Job No. / 序引編號: IC20-1324)	Date of Receipt / 收件日期: 30 July 2020
Description / 儀器名稱	:	Sound Calibrator (EQ086)	
Manufacturer / 製造商	:	Rion	
Model No. / 型號	:	NC-74	
Serial No. / 編號	:	34657230	
Supplied By / 委託者	:	Action-United Environmental Services an	d Consulting
		Unit A, 20/F., Gold King Industrial Build	ing,
		35-41 Tai Lin Pai Road, Kwai Chung, N.	Г.

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Line Voltage / 電壓 : --- Relative Humidity / 相對濕度 : (50±25)%

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 2 August 2020

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only. The results do not exceed manufacturer's specification. The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Agilent Technologies / Keysight Technologies

:

- Fluke Everett Service Center, USA

Tested By 測試

H T Wong

K C Lee Engineer

Assistant Engineer

Certified By 核證 Date of Issue : 簽發日期 3 August 2020

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所戰按正用之測試器材均可溯源至國際標準,局部復印本證書需先獲本實驗所書面批准,



Certificate No.: C204289 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.
- 2. The results presented are the mean of 3 measurements at each calibration point.
- 3. Test equipment :

Equipment IDDescriptionCertificate No.CL130Universal CounterC203952CL281Multifunction Acoustic CalibratorCDK1806821TST150AMeasuring AmplifierC201309

- 4. Test procedure : MA100N.
- 5. Results :
- 5.1 Sound Level Accuracy

UUT	Measured Value	Mfr's Spec.	Uncertainty of Measured Value
Nominal Value	(dB)	(dB)	(dB)
94 dB, 1 kHz	94.1	± 0.3	± 0.2

5.2 Frequency Accuracy

UUT Nominal Value	Measured Value	Mfr's	Uncertainty of Measured Value
(kHz)	(kHz)	Spec.	(Hz)
1	1.002	1 kHz ± 1 %	± 1

Remark : The uncertainties are for a confidence probability of not less than 95 %.

Note :

Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

木讀書所載校正用之測試器材均可溯源至國際標準。局部被印本證書需先獲本實驗所書面批准,

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.



輝創工程有限公司

Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C204359 證書編號

ITEM TESTED / 送檢功	百頁	(Job No. / 序引編號: IC20-1324)	Date of Receipt / 收件日期: 30 July 2020
Description / 儀器名稱 Manufacturer / 製造商	:	Sound Level Meter (EQ013) Rion	
Model No. / 型號 Serial No. / 編號	:	NL-52 00921191	
Supplied By / 委託者	•	Action-United Environmental Services an Unit A, 20/F., Gold King Industrial Build 35-41 Tai Lin Pai Road, Kwai Chung, N.	ing,

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Line Voltage / 電壓 : --- Relative Humidity / 相對濕度 : (50±25)%

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 5 August 2020

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only. The results do not exceed manufacturer's specification. The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Agilent Technologies / Keysight Technologies
- Fluke Everett Service Center, USA

Tested By 測試

K P Cheuk Assistant Engineer

K C Lee Engineer

Certified By 核證

Date of Issue 簽發日期

11

11 August 2020

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗所書面批准。



Certificate No.: C204359 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- 2. Self-calibration was performed before the test.
- 3. The results presented are the mean of 3 measurements at each calibration point.
- 4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C200258
CL281	Multifunction Acoustic Calibrator	CDK1806821

- 5. Test procedure : MA101N.
- 6. Results :
- 6.1 Sound Pressure Level
- 6.1.1 Reference Sound Pressure Level

UUT Setting			Applie	d Value	UUT	IEC 61672	
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Class 1 Spec. (dB)
30 - 130	L _A	A	Fast	94.00	1	93.6	± 1.1

6.1.2 Linearity

UUT Setting			Applied	UUT		
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)
30 - 130	LA	A	Fast	94.00	1	93.6 (Ref.)
				104.00		103.6
				114.00		113.6

IEC 61672 Class 1 Spec. : \pm 0.6 dB per 10 dB step and \pm 1.1 dB for overall different.

6.2 Time Weighting

UUT Setting			Applied Value		UUT	IEC 61672	
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Class 1 Spec. (dB)
30 - 130	L _A	A	Fast	94.00	1	93.6	Ref.
			Slow			93.6	± 0.3

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗所書面批准。

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.



Certificate No.: C204359 證書編號

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting					Applied Value		IEC 61672
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq.	Reading (dB)	Class 1 Spec. (dB)
30 - 130 L _A	Α	Fast	94.00	63 Hz	67.3	-26.2 ± 1.5	
		_			125 Hz	77.4	-16.1 ± 1.5
					250 Hz	84.9	-8.6 ± 1.4
					500 Hz	90.3	-3.2 ± 1.4
					1 kHz	93.6	Ref.
					2 kHz	94.8	$+1.2 \pm 1.6$
					4 kHz	94.6	$+1.0 \pm 1.6$
					8 kHz	92.5	-1.1 (+2.1 ; -3.1)
					12.5 kHz	89.1	-4.3 (+3.0 ; -6.0)

6.3.2 C-Weighting

	UUT	Setting		Applied Value		UUT	IEC 61672
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq.	Reading (dB)	Class 1 Spec. (dB)
30 - 130 L _C	С	Fast	94.00	63 Hz	92.8	-0.8 ± 1.5	
					125 Hz	93.4	-0.2 ± 1.5
					250 Hz	93.6	0.0 ± 1.4
					500 Hz	93.6	0.0 ± 1.4
					1 kHz	93.6	Ref.
					2 kHz	93.4	-0.2 ± 1.6
					4 kHz	92.8	-0.8 ± 1.6
					8 kHz	90.6	-3.0 (+2.1 ; -3.1)
-					12.5 kHz	87.2	-6.2 (+3.0 ; -6.0)

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Certificate No.: C204359 證書編號

Remarks : - UUT Microphone Model No. : UC-59 & S/N : 12910

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value :	94 dB :	63 Hz - 125 Hz	: ± 0.35 dB
and the second second second second		250 Hz - 500 Hz	$\pm 0.30 \text{ dB}$
		1 kHz	$\pm 0.20 \text{ dB}$
		2 kHz - 4 kHz	$\pm 0.35 \text{ dB}$
		8 kHz	: ± 0.45 dB
		12.5 kHz	: ± 0.70 dB
	104 dB:	1 kHz	$\pm 0.10 \text{ dB}$ (Ref. 94 dB)
	114 dB :	1 kHz	$\pm 0.10 \text{ dB}$ (Ref. 94 dB)

- The uncertainties are for a confidence probability of not less than 95 %.

Note :

Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

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輝創工程有限公司

Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C203574 證書編號

ITEM TESTED / 送檢項	目目	(Job No. / 序引編號: IC20-1324)	Date of Receipt / 收件日期: 19 June 2020
Description / 儀器名稱 Manufacturer / 製造商	:	Integrating Sound Level Meter (EQ009) Brüel & Kjær	
Model No. / 型號	:	2238	
Serial No. / 編號	:	2285722	
Supplied By / 委託者	÷	Action-United Environmental Services and Unit A, 20/F., Gold King Industrial Buildin 35-41 Tai Lin Pai Road, Kwai Chung, N.T.	ng,

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Line Voltage / 電壓 : --- Relative Humidity / 相對濕度 : (50±25)%

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 29 June 2020

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only. The results do not exceed manufacturer's specification. The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Agilent Technologies / Keysight Technologies
- Fluke Everett Service Center, USA

Tested By 測試

K P Cheuk

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K C Lee Engineer

Assistant Engineer

Certified By 核證 Date of Issue 簽發日期

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6 July 2020

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輝創工程有限公司 Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C203574 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- 2. Self-calibration using laboratory acoustic calibrator was performed before the test from 6.1.1.2 to 6.4.
- 3. The results presented are the mean of 3 measurements at each calibration point.
- 4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C200258
CL281	Multifunction Acoustic Calibrator	CDK1806821

- 5. Test procedure : MA101N.
- 6. Results :
- Sound Pressure Level 6.1
- 6.1.1 Reference Sound Pressure Level
- 6.1.1.1 Before Self-calibration

	UUT	Setting	Applied	UUT		
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)
52 - 132	LAFP	A	F	94.00	1	93.8

6.1.1.2 After Self-calibration

UUT Setting			Applie	d Value	UUT	IEC 60651	
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Type 1 Spec. (dB)
52 - 132	L _{AFP}	Α	F	94.00	1	94.0	± 0.7

6.1.2 Linearity

	UU	Γ Setting		Applie	d Value	UUT		
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)		
52 - 132	LAFP	А	F	94.00	1	94.0 (Ref.)		
				104.00		104.0		
1.1.1.1.1.1				114.00		114.0		

IEC 60651 Type 1 Spec. : ± 0.4 dB per 10 dB step and ± 0.7 dB for overall different.

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Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

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輝創工程有限公司 Sun Creation Engineering Limited Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C203574 證書編號

6.2 Time Weighting

6.2.1 Continuous Signal

	UUT	Setting		Applie	d Value	UUT	IEC 60651		
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Type 1 Spec. (dB)		
52 - 132	LAFP	Α	F	94.00	1	94.0	Ref.		
	L _{ASP}	20	S			94.0	± 0.1		
_	LAIP		I			94.1	± 0.1		

6.2.2 Tone Burst Signal (2 kHz)

	UUT	Setting		App	lied Value	UUT	IEC 60651		
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Burst Duration	Reading (dB)	Type 1 Spec. (dB)		
32 - 112	LAFP	А	F	106.0	Continuous	106.0	Ref.		
	LAFMax				200 ms	105.0	-1.0 ± 1.0		
	L _{ASP}		S		Continuous	106.0	Ref.		
	L _{ASMax}				500 ms	102.0	-4.1 ± 1.0		

6.3 Frequency Weighting

6.3.1 A-Weighting

	UUT	Setting		Appl	ied Value	UUT	IEC 60651
Range (dB)	B) Weighting Weightin		Time Weighting	Level (dB)	Freq.	Reading (dB)	Type 1 Spec. (dB)
52 - 132	LAFP	Α	F	94.00	31.5 Hz	54.5	-39.4 ± 1.5
					63 Hz	67.8	-26.2 ± 1.5
					125 Hz	77.8	-16.1 ± 1.0
					250 Hz	85.3	-8.6 ± 1.0
					500 Hz	90.8	-3.2 ± 1.0
					1 kHz	94.0	Ref.
					2 kHz	95.2	$+1.2 \pm 1.0$
					4 kHz	95.0	$+1.0 \pm 1.0$
					8 kHz	92.8	-1.1 (+1.5 ; -3.0)
					12.5 kHz	89.7	-4.3 (+3.0 ; -6.0)

本證書所載校正用之測試器材均可溯源至國際標準。局部後印本證書需先獲本實驗所書面批准。

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Certificate No.: C203574 證書編號

6.3.2 C-Weighting

	UUT	Setting		Appl	ied Value	UUT	IEC 60651
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.	Reading (dB)	Type 1 Spec. (dB)
52 - 132	L _{CFP}	С	F	94.00	31.5 Hz	90.9	-3.0 ± 1.5
					63 Hz	93.2	-0.8 ± 1.5
				-	125 Hz	93.8	-0.2 ± 1.0
					250 Hz	94.0	0.0 ± 1.0
					500 Hz	94.0	0.0 ± 1.0
					1 kHz	94.0	Ref.
				1.1.1	2 kHz	93.8	-0.2 ± 1.0
					4 kHz	93.2	-0.8 ± 1.0
					8 kHz	90.9	-3.0 (+1.5 ; -3.0)
					12.5 kHz	87.8	-6.2 (+3.0 ; -6.0)

6.4

Time Averaging

	UUT	Setting			Ap	plied Value			UUT	IEC 60804 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Integrating Time	Frequency (kHz)	Burst Duration (ms)	Burst Duty Factor	Burst Level (dB)	Equivalent Level (dB)	Reading (dB)	
32 - 112	LAcq	A	10 sec.	4	1	1/10	110.0	100	99.9	± 0.5
	1.10					1/10 ²		90	89.6	± 0.5
			60 sec.			1/103	1	80	79.1	± 1.0
			5 min.	1		1/104	1	70	69.2	± 1.0

Remarks : - UUT Microphone Model No. : 4188 & S/N : 2812706

- Mfr's Spec. : IEC 60651 Type 1 & IEC 60804 Type 1

Uncertainties of Applied Value :	94 dB : 31.5 Hz - 125 Hz	: ± 0.35 dB
II III III IIII	250 Hz - 500 Hz	$\pm 0.30 \text{ dB}$
	1 kHz	$\pm 0.20 \text{ dB}$
	2 kHz - 4 kHz	: ± 0.35 dB
	8 kHz	$\pm 0.45 \text{ dB}$
	12.5 kHz	$\pm 0.70 \text{ dB}$
	104 dB : 1 kHz	$\pm 0.10 \text{ dB}$ (Ref. 94 dB)
	114 dB : 1 kHz	$\pm 0.10 \text{ dB}$ (Ref. 94 dB)
	Burst equivalent level	$\pm 0.2 \text{ dB}$ (Ref. 110 dB continuous sound level)

- The uncertainties are for a confidence probability of not less than 95 %.

Note :

Only the original copy or the laboratory's certified true copy is valid.

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輝創工程有限公司

Sun Creation Engineering Limited Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C203572 證書編號

ITEM TESTED / 送檢功	頁目	(Job No. / 序引編號: IC20-1324)	Date of Receipt / 收件日期: 19 June 2020
Description / 儀器名稱	:	Sound Calibrator (EQ082)	
Manufacturer / 製造商	:	Brüel & Kjær	
Model No. / 型號	:	4231	
Serial No. / 編號	:	2713428	
Supplied By / 委託者	:	Action-United Environmental Services an	nd Consulting
		Unit A, 20/F., Gold King Industrial Build	ing,
		35-41 Tai Lin Pai Road, Kwai Chung, N.	Τ.

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Line Voltage / 電壓 : --- Relative Humidity / 相對濕度 : (50±25)%

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 29 June 2020

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only. The results do not exceed manufacturer's specification. The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Agilent Technologies / Keysight Technologies
- Fluke Everett Service Center, USA

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Tested By 測試

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KF	Cheuk	

Assistant Engineer

K C Lee Engineer

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Certified By 核證

Date of Issue : 簽發日期 6 July 2020

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

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Certificate No. : C203572 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.
- 2. The results presented are the mean of 3 measurements at each calibration point.
- 3. Test equipment :

Equipment IDDescriptionCertificate No.CL130Universal CounterC193756CL281Multifunction Acoustic CalibratorCDK1806821TST150AMeasuring AmplifierC201309

- 4. Test procedure : MA100N.
- 5. Results :
- 5.1 Sound Level Accuracy

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	94.0	± 0.2	± 0.2
114 dB, 1 kHz	114.1		

5.2 Frequency Accuracy

UUT Nominal Value	Measured Value	Mfr's	Uncertainty of Measured Value
(kHz)	(kHz)	Spec.	(Hz)
1	1.000 0	1 kHz ± 0.1 %	± 0.1

Remark : The uncertainties are for a confidence probability of not less than 95 %.

Note :

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Appendix H

Database of Monitoring Results

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Daytime N	oise M	leasure	ment H	Results	(dB) of	N1																
	Start	1st	Leq (5)	min)	2nd	Leq (5	min)	3rd	Leq (51	min)	4th	Leq (51	min)	5th	Leq (51	nin)	6th	Leq (5	min)	L ag 20min	Facada	
Date	Start Time		L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq30min, dB(A)	Façade Correction	
	Ime	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	uD(A)	Correction	
1-Feb-21	9:36	55.1	58.5	50.5	54.0	56.5	50.5	55.4	59.0	49.5	55.4	59.0	50.0	55.0	58.5	50.5	55.3	58.5	50.5	55.1	58.1	
11-Feb-21	13:48	55.6	48.0	40.2	46.2	47.2	40.7	53.5	48.2	41.7	45.5	46.2	40.6	52.5	47.7	41.5	43.5	45.5	40.6	51.6	54.6	
17-Feb-21	14:17	64.7	47.5	40.2	43.6	45.7	40.2	43.5	45.7	39.7	49.7	46.6	40.5	41.2	43.3	38.9	41.2	43.1	37.1	57.2	60.2	
24-Feb-21	11:17	64.6	53.8	42.5	50.9	48.3	41.5	46.4	49.4	40.3	45.6	48.8	40.3	45.6	48.6	40.5	44.4	46.4	40.3	57.2	60.2	

Daytime N	oise M	easure	ment R	Results ((dB) of	N2a															
	Stant	1st]	Leq (51	nin)	2nd	Leq (5	min)	3rd	Leq (5)	min)	4th	Leq (51	min)	5th	Leq (51	nin)	6th	Leq (5	min)	L ag 20min	Facade
	Start Time	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	, L10, L90, A) dB(A) dB(A)		Leq30min, dB(A)	Correction
	1 mie	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	uD(A)	Correction
1-Feb-21	10:37	52.8	55.0	50.0	53.1	55.0	50.5	53.1	55.0	50.5	53.6	55.5	50.5	51.9	53.0	50.0	53.6	56.0	50.5	53.1	56.1
11-Feb-21	13:11	52.5	55.8	40.6	47.0	50.8	39.9	48.6	51.9	40.9	47.0	49.9	38.8	48.2	50.9	40.7	51.0	52.4	39.1	49.6	52.6
17-Feb-21	13:40	43.8	43.6	37.4	41.3	42.5	36.4	41.1	43.5	37.1	42.4	42.5	36.1	45.5	44.5	38.6	41.5	42.3	36.3	42.9	45.9
24-Feb-21	10:37	53.5	52.6	43.3	50.1	51.9	42.0	47.6	49.2	41.3	46.0	48.9	42.2	49.7	50.0	42.4	52.8	52.2	43.1	50.7	53.7

Daytime No	oise Me	asuren	nent Re	esults (d	lB) of N	N3a															
	Start	1 st]	Leq (51	min)	2nd	Leq (5	min)	3rd	Leq (5	min)	4th	Leq (51	min)	5th	Leq (5)	min)	6th	Leq (51	min)	Leq30min,	Facade
	Time	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	dB(A)	Correction
	Time	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	uD(A)	Correction
1-Feb-21	13:45	60.2	62.5	51.5	59.4	63.0	52.0	58.0	61.5	51.0	57.4	61.0	52.0	57.1	60.5	52.0	58.2	61.5	53.0	58.5	61.5
11-Feb-21	15:39	72.9	62.9	41.0	44.2	48.7	40.3	54.0	52.1	39.5	61.4	63.7	41.5	50.5	52.5	42.0	52.5	55.1	43.7	65.5	68.5
17-Feb-21	16:08	50.9	52.5	37.6	45.2	49.7	35.9	48.0	51.1	37.8	44.4	49.5	36.7	48.0	51.2	37.5	46.5	51.2	39.7	47.7	50.7
24-Feb-21	9:17	58.4	58.0	52.8	58.1	60.3	54.5	70.6	66.2	55.2	58.1	58.3	54.4	75.8	73.9	55.3	76.3	81.5	54.8	72.0	75.0

Daytime No	oise M	leasure	ment R	Results ((dB) of	N4															
	Start	1st	Leq (51	nin)	2nd	Leq (5	min)	3rd	Leq (51	min)	4th	Leq (5)	min)	5th	Leq (51	nin)	6th	Leq (5	min)	Leq30min,	Facade
lloto	Time	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	dB(A)	Correction
	1 mile	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	uD(A)	Correction
1-Feb-21	14:39	59.3	62.5	52.5	61.9	65.5	54.0	61.6	65.5	54.5	61.3	65.0	51.0	61.5	65.0	53.5	60.9	64.0	55.5	61.2	64.2
11-Feb-21	9:26	70.8	53.2	41.1	47.5	50.0	40.7	46.4	49.0	39.7	46.5	48.3	40.7	50.6	50.1	40.0	51.2	51.3	38.1	63.2	66.2
17-Feb-21	9:37	66.7	48.2	34.0	50.5	44.2	34.5	49.6	44.7	33.7	47.5	46.5	33.7	43.5	43.8	32.7	46.5	46.9	33.7	59.2	62.2
24-Feb-21	9:58	74.5	57.6	49.3	63.1	53.9	49.0	69.6	60.2	42.3	65.0	51.9	40.2	47.7	51.0	42.4	48.8	50.2	43.1	68.5	71.5



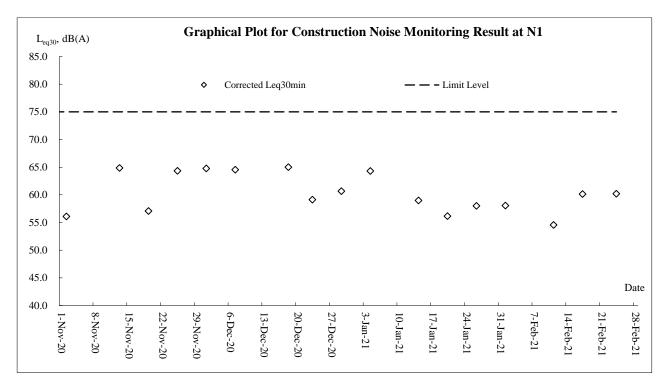
Appendix I

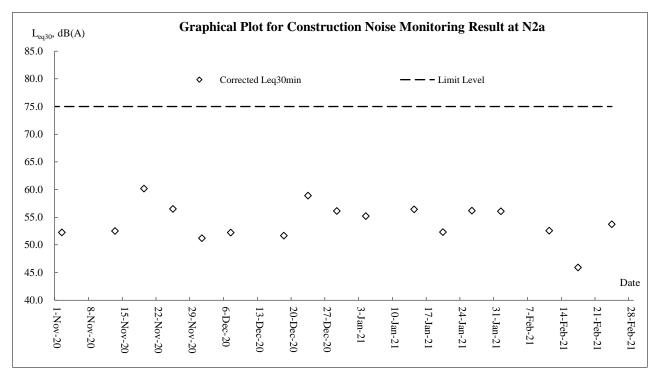
Graphical Plots of Monitoring Results

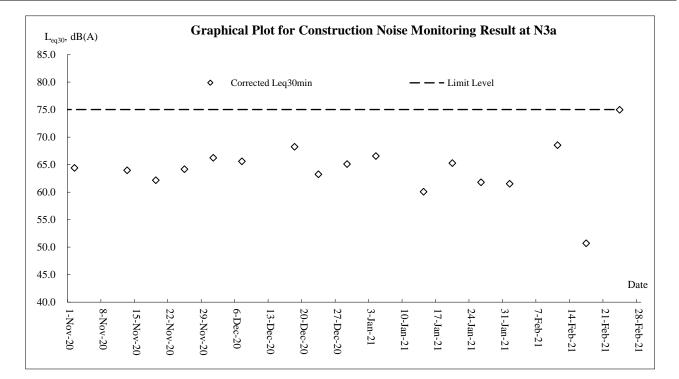
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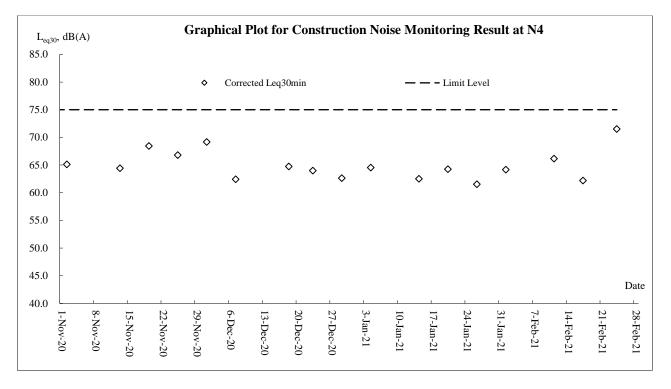
Construction Noise







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Appendix J

Waste Flow Table

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Monthly Summary Waste Flow Table for February 2021

Version: 0

	Actu	al Quantitie	s of Inert Ca	&D Materials	Generated 1	Monthly	Actua	al Quantity of	C&D Wast	es Generated	Monthly
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete		Reused in other Projects (see Note 10)	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging (see Notes 4)	Plastics (see Notes 2 &4)	Chemical Waste	Others, eg. general refuse
	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m3)
sub-total up to 2020	87.905	0.000	0.000	82.531	5.209	0.165	317.086	1.174	0.045	0.000	0.343
Jan-21	0.084	0.000	0.000	0.000	0.016	0.068	0.000	0.000	0.000	0.000	0.007
Feb-21	0.014	0.000	0.000	0.000	0.014	0.000	20.400	0.013	0.651	0.000	0.007
Mar-21											
Apr-21											
May-21											
Jun-21											
Sub total (since 2019)	88.003	0.000	0.000	82.531	5.239	0.233	337.486	1.187	0.696	0.000	0.357
Jul-21											
Aug-21											
Sep-21											
Oct-21											
Nov-21											
Dec-21											
Total (since 2019)	88.003	0.000	0.000	82.531	5.239	0.233	337.486	1.187	0.696	0.000	0.357



Appendix K

Environmental Mitigation Implementation Schedule (Extracted from EM&A Manual)



					Imp	lementa	ation S	tage ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
Air Qual	ity Impact	(Construction)							
3.8.1.1	2.4	General Dust Control Measures Dust emissions could be suppressed by regular water spraying on site. In general, water spraying twice a day could reduce dust emission from active construction area by 50%. However, for the Project more frequent water spraying is proposed. Watering eight times per day, or once every 1.5 hours, is suggested at all active works areas in order to achieve a higher dust suppression efficiency of 87.5%.	Within construction site / Duration of the construction phase	Contractor		~			EIA Recommendation and Air Pollution Control (Construction Dust) Regulation
3.8.1.2	2.4	Best Practice For Dust Control	Within construction site /	Contractor		\checkmark			EIA
		The relevant best practices for dust control as stipulated in the <i>Air Pollution Control (construction Dust) Regulation</i> should be adopted to further reduce the construction dust impacts of the Project. These best practices include: <i>Good Site Management</i>	Duration of the construction phase						Recommendation and Air Pollution Control (Construction Dust) Regulation
		 Good site management is important to help reducing potential air quality impact down to an acceptable level. As a general guide, the Contractor should maintain a high standard of housekeeping to prevent emissions of fugitive dust. Loading, unloading, handling and storage of raw materials, wastes or by-products should be carried out in a manner so as to minimise the release of visible dust emission. Any piles of materials accumulated on or around the work areas should be cleaned up regularly. Cleaning, repair and maintenance of all plant facilities within the work areas should be carried out in a manner minimising generation of fugitive dust emissions. The material should be handled properly to prevent fugitive dust emission before cleaning. 							
		 Each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates and kept clear of dusty materials; or 							
		 Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road 							

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					Imp	lementa	tion St	age ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		surface wet.		·					
		Exposed Earth							
		Exposed earth should be properly treated by compaction, hydroseeding, vegetation planting or seating with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies.							
		Loading, Unloading or Transfer of Dusty Materials							
		 All dusty materials should be sprayed with water immediately prior to any loading or transfer operation so as to keep the dusty material wet. 							
		Debris Handling							
		 Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides. 							
		 Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped. 							
		Transport of Dusty Materials							
		 Vehicle used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards. 							
		Wheel washing							
		 Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels. 							
		Use of vehicles							
		 The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site. 							
		 Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels. 							
		 Where a vehicle leaving the construction site is carrying a load of dusty materials, the load should be covered entirely 							



					Imple	ementa	tion St	age ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
	•	by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle.		•					
		Site hoarding							
		Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit.							
Air Qual	ity Impact	(Operation)							
3.8.2	2.3	Odour patrol at site boundary of the Project	Site boundary / During operation stage (the need to continue the odour patrol after the end of the 2-year monitoring period would depend on the monitoring results and should be agreed with EPD)	OWTF Operator	~		~		EIAO-TM
3.8.2	2.4	Install gas cleaning equipment and stack on the CHP and odour treatment unit	CHP and odour treatment unit	Design Consultant / OWTF Operator	\checkmark		~		EIA Recommendation
		The preliminary design suggests the use of a two stage process involving either a biofilter or Ultraviolet Light (UV-C) together with ozone treatment as the first stage, and an activated carbon filter as the second stage for the odour treatment unit. It is recommended to install the UV-C and ozone treatment system with second stage active carbon filters as this has a lower footprint requirement than the biofilter option. However, the actual unit installed depends on the final design by the contractor in the design phase.							
		 The preliminary design incorporates a combination of thermal and catalytic treatment processes to remove pollutants from the exhaust gasses from the CHP. 							
		 Both the odour treatment unit and the CHP emissions are suggested to be directed to a flue to aid the dispersion and minimise effects on ASRs. 							

			·	·	Imp	lementa	ation S	tage ¹						
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines					
4.9	3.2	 The HA has assumed that the following "Good Practices" and "recommended design measures" for the safe operation of OWTF 2 shall be carried out as far as reasonably practicable: The process plant building will be provided with adequate number of gas detectors distributed over the various areas of potential leak sources to provide adequate coverage. All electrical equipment inside the building will be classified in accordance with the electrical area classification requirements. No unclassified electrical equipment will be used during operations or maintenance. Reference can be made to Codes of Practice and guidance issued in Europe that applies to places where explosive atmospheres may occur (called 'ATEX' requirements). These are covered as part of the European Directive: the Explosive 	measures During design and operation phases	Design Consultant / OWTF Operator	~		~		EIAO & EIAO TM Annex 4					
		Atmospheres Directive (99/92/EC) and the UK regulations, Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR). Where potentially explosive atmospheres may occur in the workplace, the requirements include, identifying and classifying (zoning) areas where potentially explosive atmospheres may occur; avoiding ignition sources in zoned areas, in particular those from electrical and mechanical equipment; where necessary, identifying the entrances to zoned areas; providing appropriate anti-static clothing for employees; and before they come into operation, verifying the overall explosion protection safety of areas where explosive atmospheres may occur.												
		 All safety valves design shall take into account discharging any released fluid to a safe location, or stopping misdirection of fluid flows in order to avoid hazardous outcome. 	I.			n	I.							
		 Safety markings and crash barriers will be provided to the aboveground piping, digesters and the gas holder near the entrance. 												
		 Lightning protection installations will be installed following IEC 62305, BS EN 62305, AS/NZS 1768, NFPA 780 or equivalent standards. 												
		 A 10m high boundary wall with fire resistance will be 												



					Impl	ementa	tion St	age ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		provided in the vicinity of the digester tanks, gasholders and gas purification equipment to protect the equipment against external fires, and to provide some protection to external areas from the effects of fire/explosion.							
		Suitable fire extinguishers will be provided within the site. An External Water Spray System (EWSS) will be installed in appropriate areas, such as around the gasholders, gas purification, desulphurisation units, and digester areas. The facilities will also be equipped with fire and gas detection system and fire suppression system. Stringent procedures are implemented to prohibit smoking or naked flames to be used on-site.							
		 Fixed crash barriers will be provided in areas where process equipment is adjacent to the internal roadway to protect against vehicle collision. Adequate warning signage and lighting will also be provided and maximum speed limit will also be in place. 							
Noise II	npact (Con	struction)		•	•				•
5.9.1	4.2.7	Good Site Practice Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:	Within construction site / During construction phase	Contractor		~			EIAO, EIAO-TM and Noise Contro Ordinance
		 only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works; 							
		 machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum; 							
		 plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs; 							
		 mobile plant should be sited as far away from NSRs as possible; and 							
		 material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site 							



					Imp	lementa	ation St	tage ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		construction activities.							
5.9.1	4.2.7	Selection of Quieter PME	Within construction site /	Contractor		~		•	EIAO, EIAO-TM
		The recommended quieter PME adopted in the assessment were taken from the EPD's QPME Inventory and British Standard, namely <i>Noise Control on Construction and Open</i> <i>Sites, BS 5228: Part 1: 2009</i> . It should be noted that the silenced PME selected for assessment can be found in Hong Kong.	During construction phase						and Noise Control Ordinance
5.9.1	4.2.7	Use of Movable Noise Barriers Movable noise barriers can be very effective in screening noise from particular items of plant when constructing the Project. Noise barriers located along the active works area close to the noise generating component of a PME could produce at least 10 dB(A) screening for stationary plant and 5 dB(A) for mobile plant provided the direct line of sight between the PME and the NSRs is blocked.	Within construction site / During construction phase	Contractor		~			EIAO, EIAO-TM and Noise Control Ordinance
5.9.1	4.2.7	Use of Noise Enclosure/ Acoustic Shed The use of noise enclosure or acoustic shed is to cover stationary PME such as air compressor and generator. With the adoption of the noise enclosure, the PME could be completely screened, and noise reduction of 15 dB(A) can be achieved according to the EIAO Guidance Note No.9/2010.	Within construction site / During construction phase	Contractor		~			EIAO, EIAO-TM and Noise Control Ordinance
5.9.1	4.2.7	Use of Noise Insulating Fabric Noise insulating fabric can also be adopted for certain PME (e.g. pilling machine etc). The fabric should be lapped such that there are no openings or gaps on the joints. According to the approved Tsim Sha Tsui Station Northern Subway EIA report (AEIAR- 127/2008), a noise reduction of 10 dB(A) can be achieved for the PME lapped with the noise insulating fabric.	Within construction site / During construction phase	Contractor		~			EIAO, EIAO-TM and Noise Control Ordinance
Noise In	npact (Ope	ration)							
5.9.2	4.2.7	Fixed Plant Noise	Within construction site /	Design Consultant	~		~		EIAO, EIAO-TM
		Specification of the maximum allowable sound power levels of the proposed fixed plants should be followed. The following noise reduction measures should be considered as far as practicable during operation:	During operation phase / Throughout operation phase	/ Contractor					and Noise Control Ordinance
		 Choose quieter plant such as those which have been effectively silenced; 							



					Imp	lementa	tion S		
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		 Include noise levels specification when ordering new plant (including chillier and E/M equipment); 					•		
		 Locate fixed plant/louver away from any NSRs as far as practicable; 							
		 Locate fixed plant in walled plant rooms or in specially designed enclosures; 							
		 Locate noisy machines in a completely separate building; 							
		 Install direct noise mitigation measures including silencers, acoustic louvers and acoustic enclosure where necessary; and 							
		 Develop and implement a regularly scheduled plant maintenance programme so that equipment is properly operated and serviced in order to maintain a controlled level of noise. 							
Water G	uality Impa	act (Construction)		•					•
6.8.1.1	5.3	Construction site runoff	Within construction site /	Contractor	·	~			ProPECC Note
		The site practices outlined in ProPECC Note PN 1/94 should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. The following measures are recommended to protect water quality and sensitive uses of the coastal area, and when properly implemented should be sufficient to adequately control site discharges so as to avoid water quality impacts:	Duration of the construction phase						PN 1/94
		At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the Contractor prior to the commencement of construction;							
		 Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM standards under the WPCO. The design of efficient silt 						•	

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	·				Imp	lementa	ation St	age ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		removal facilities should be based on the guidelines in Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the Contractors prior to the commencement of construction.							
		All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit should be regularly removed, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.							
		 Measures should be taken to minimize the ingress of site drainage into excavations. If excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from foundation excavations should be discharged into storm drains via silt removal facilities. 							
		All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facility should be provided at construction site exit where practicable. Wash-water should have sand and silt settled out and removed regularly to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.							
		 Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system. 							
		 Manholes (including newly constructed ones) should be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and stormwater runoff being directed into 							

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				Implementation Stage ¹							
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines		
		 foul sewers. Precautions should be taken at any time of the year when 									
		Precations should be taken at any time of the year when rainstorms are likely. Actions should be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC Note PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes.									
		Bentonite slurries used in piling or slurry walling should be reconditioned and reused wherever practicable. Temporary enclosed storage locations should be provided on-site for any unused bentonite that needs to be transported away after all the related construction activities are completed. The requirements in ProPECC Note PN 1/94 should be adhered to in the handling and disposal of bentonite slurries.									
6.8.1.2	5.3	General construction activities	Within construction site /	Contractor	•	1	•	•	ProPECC Note		
		Construction solid waste, debris and refuse generated on-site should be collected, handled and disposed of properly to avoid entering any nearby storm water drain. Stockpiles of cement and other construction materials should be kept covered when not being used.	During construction phase						PN 1/94		
6.8.1.3	5.3	Excavation works	Within construction site /	Contractor		\checkmark			ProPECC Note		
		The construction programme should be properly planned to minimise excavation works during the wet season (April to September), temporarily exposed slope/soil surfaces should be covered by a tarpaulin or other means, as far as practicable. Interception channels should be provided (e.g. along the crest/edge of the excavation) to prevent storm runoff from washing across exposed soil surfaces. Arrangements should be in place to ensure that adequate surface protection measures can be safely carried out well before the arrival of a rainstorm. Other measures that need to be implemented before, during and after rainstorms are summarized in ProPECC PN 1/94.	During construction phase						PN 1/94		
6.8.1.4	5.3	Accidental spillage	Within construction site /	Contractor		~	•	•	ProPECC Note		
		 The Contractor should register as a chemical waste producer 	During construction phase						PN 1/94 and Waste Disposa		

					Imple	ementa	tion St	age ¹			
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines		
		if chemical wastes are produced from 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.							Ordinance		
		 Maintenance of vehicles and equipment, involving activities with potential for leakage and spillage, should only be undertaken within areas appropriately equipped to control these discharges. 									
		Oils and fuels should only be stored in designated areas which have pollution prevention facilities. To prevent spillage of fuels and solvents to any nearby storm water drain, all fuel tanks and storage areas should be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. The bund should be drained of rainwater after a rain event.									
		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 labelled, 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. 									
6.8.1.5	5.3	Sewage effluent from construction workforce Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be	Within construction site / During construction phase	Contractor		~			ProPECC Note PN 1/94		



					Imp				
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		responsible for appropriate disposal and maintenance.							
Water G	uality Impa	act (Operation)			•				
6.8.2.1	5.3	Sewage effluent and sewerage impact	Within construction site /	Design Consultant	\checkmark		\checkmark		EIA
		In order to minimise the risk of exceeding capacity of the sewerage system, on-site underground storage of effluent is recommended for the OWTF 2, with a capacity of 6 hours of peak flow. Using the values presented in the preliminary design, the on-site storage required to buffer excess capacity would be equivalent to 30 m ³ . A below ground effluent retention tank would function to store effluent produced during peak periods when usage of the Sha Ling pumping station is high. Effluent stored during such periods could then be pumped out of the retention tank and discharged into the public sewer during off-peak times when capacity is sufficient.	During design and operation phase	/ OWTF Operator					recommendation
6.8.2.2	5.3	Wastewater generation from organic waste treatment processes	During design and / ater operation phase as ase /TF	Design Consultant / OWTF Operator	\checkmark	·	✓	•	TM-DSS, Water Pollution Control
		Wastewater must be collected and diverted to the wastewater treatment plant (WWTP).							Ordinance
		An adequately sized WWTP with technologies such as membrane bioreactor, reverse osmosis or multi-phase separation process or system should be provided for the OWTF 2. Polluting parameters in the effluent should be in compliance with the requirements as specified in the TM-DSS.							
		Leachate from the waste reception and composting process							
		 A drainage system will be provided at the reception area connecting to the proposed onsite WWTP. The leachate would be treated in the WWTP and there would be no direct discharge of leachate. 							
		Dewatering of the digestate from the separators							
		 The wastewater generated from the dewatering of digestate from the digesters is expected to be around 229.18 m³/day and a peak flow of 5.31L/s. The on-site WWTP will deploy suitable treatment process in order to reduce the pollution level to an acceptable standard. The effluent shall be treated according to the TM-DSS standard before discharging to foul sewers. 							



	·		·		Impl	ementa	tion St	age ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		Condensate from biogas drying, odour treatment and ventilation system				•			
		 Condensate from biogas handling and wastewater from the odour treatment process would be collected and transferred to the WWTP. There is no direct discharge of wastewater to the sewer. 							
		Washing of waste delivery trucks							
		 Surplus wastewater generated from the vehicle washing facilities would be collected and transferred to the WWTP for further treatment before discharging to the foul sewer. 							
		Untreated wastewater from wastewater treatment plant							
		 Maintenance of the WWTP and its connection pipe work would be conducted regularly to confirm the condition of the holding tank and pipes. This will ensure early detection of any damage for repair or replacement. 							
		Leakage of materials from WWTP							
		 Regular scheduled maintenance of the WWTP will be carried out to confirm the condition of the facility and detect any damages at an early stage for repair or replacement. 							
6.8.2.3	5.3	Contaminated stormwater runoff and accidental spillages	Within construction site /	OWTF Operator			\checkmark		TM-DSS; Water
		Regular maintenance of plant facilities, as recommended in Section 6.8.2.2 of the EIA report, will be performed to confirm the condition of plant facilities and detect any damage for repair or replacement. Training should be provided to the employees on handling accidental spillage, so that in such cases, actions can be carried out quickly to avoid runoff to nearby streams/drains.	During operation phase / Throughout operation phase						Pollution Contro Ordinance
Waste M	anagemen	t Implications (Construction)							
7.6.1.1	6.3	Good Site Practices	Project construction site /	Contractor		\checkmark			Waste Disposal
		Recommendations for good site practices during the construction activities include:	Throughout construction stage / Until completion of all construction						Ordinance; Regulation and
		 Obtain the 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); 	activities						the Land (Miscellaneous Provisions) Ordinance;

					Imp	lementa	ation St	age ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		 Provide staff training for proper waste management and chemical handling procedures; Provide sufficient waste disposal points and regular waste collection; Provide appropriate measures to minimise 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 disposal 							Waste Disposal (Chemical Wastes) (General Regulation; Technical Circular (Works) No. 19/2005 Environmental Management on Construction Site
		 Separate circular wastes for special harding and disposal to licensed facilities for treatment; and Employ licensed waste collectors to collect waste. 							
7.6.1.2	6.3	 Waste Reduction Measures Recommendations to achieve waste reduction include: Design foundation works to minimise the amount of excavated material to be generated; Provide training on the importance of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling; Sort demolition debris and excavated materials from demolition works to recover reusable/recyclable portions Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal Encourage collection of recyclable waste such as waste paper and aluminium cans by providing separate labelled bins to enable such waste to be segregated from other general refuse generated by the work force Plan the use of construction materials carefully to minimise amount of waste 	Project construction site / Throughout construction stage / Until completion of all construction activities	Contractor	~	~			Waste Disposal Ordinance
7.6.1.3	6.3	Excavated and C&D Materials In order to minimise impacts resulting from collection and transportation of C&D material for off-site disposal, the	Project construction site / Throughout construction stage / Until completion	Contractor	√	· √			Waste Disposal Ordinance ; DEVB Technical

					Impl	ementa	ation St	age ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		excavated materials should be reused on-site as fill material as backfilling material and for landscaping works far as practicable. Other mitigation requirements are:	of all construction activities						Circular (Works) No.6/2010 for Trip Ticket System for
		 A Waste Management Plan (WMP), which becomes part of the Environmental Management Plan (EMP), should be prepared in accordance with ETWB TC(W) No. 19/2005; 							Disposal of Construction & Demolition Materials;
		 A recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites) should be adopted for easy tracking; and 							Technical Circular (Works) No. 19/2005
		 In order to monitor the disposal of excavated and non-inert C&D material at public filling facilities and landfills and to control fly-tipping, a trip-ticket system should be adopted (refer to DEVB TC(W) No. 6/2010). 							Environmental Management on Construction Site
7.6.1.4	6.3	Chemical Waste	Project construction site /	Contractor		\checkmark			Code of Practice
		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.	Throughout construction stage / Until completion of all construction activities						on the Packaging Labelling and Storage of Chemical Wastes; Waste Disposal (Chemical Waste) (General) Regulation
7.6.1.5	6.3	General Refuse General refuse should be stored in enclosed bins or compaction units separated from excavated and non-inert C&D materials. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from inert C&D materials. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	Project construction site / Throughout construction stage / Until completion of all construction activities	Contractor		~			Waste Disposal Ordinance and Public Health and Municipal Services Ordinance - Public Cleansing and Prevention of Nuisances



					Imp	lementa	ation St	tage ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
				•					Regulation
Waste I	Managemen	t Implications (Operation)							
7.6.2.1	6.3	Good site practices	Construction site / On a	OWTF Operator			\checkmark		Waste Disposal
		Adoption of the following good operational practices should be recommended to minimise waste management impacts:	regular basis / Throughout operation stage						Ordinance; Waste Disposal
		 Obtain the necessary waste disposal permits from the appropriate authorities, in accordance with the Waste 	slage						(Chemical Wast (General);
		Disposal Ordinance (Cap. 354), Waste Disposal (Chemical Waste) (General) Regulation and the Land (Miscellaneous Provision) Ordinance (Cap. 28);							Regulation and the Land (Miscellaneous
		 Nomination of an approved person to be responsible for good site practice, arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site; 	ve						Provision) Ordinance; DEVB Technica Circular (Works
		 Use of a waste haulier licensed to collect specific category of waste; 							No. 6/2010.
		A trip-ticket system should be included as one of the contractual requirements and implemented by the Environmental Team to monitor the disposal of solid wastes at public filling facilities and landfills, and to control fly tipping. Reference should be made to DEVB TC(W) No. 6/2010.							
		 Training of site personnel in proper waste management and chemical waste handling procedures; 							
		 Separation of chemical wastes for special handling and appropriate treatment at a licensed facility; 							
		 Routine cleaning and maintenance programme for drainage systems, sumps and oil interceptors; 				e			
		 Provision of sufficient waste disposal points and regular collection for disposal; 							
		 Adoption of appropriate measures to minimise windblown litter and dust during transportation of waste, such as covering trucks or transporting wastes in enclosed containers; and, 							
		Implementation of a recording system for the amount of							



					Imp	lementa	ation S	tage ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
	•	wastes generated, recycled and disposed of (including the disposal sites).							
7.6.2.2	6.3	Waste reduction measures	Construction site / On a	OWTF Operator			\checkmark		Waste Disposal
		Adoption of the following good operational practices should be recommended to ensure waste reduction:	regular basis / Throughout operation						Ordinance; Waste Disposal
		 Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal; 	stage						(Chemical Waste) (General); Regulation and
		Encourage collection of aluminium cans, plastic bottles and packaging material (e.g. carton boxes) and office paper by individual collectors. Separate labelled bins should be provided to help segregate this waste from other general refuse generated by the work force; and							the Land (Miscellaneous Provision) Ordinance
		 Any unused chemicals or those with remaining functional capacity should be reused as far as practicable. 							
7.6.2.3	6.3	Waste generated from pre-treatment process Wastes generated from pre-treatment process should be recycled as far as possible. Wastes generated from pre- treatment process should also be separated from any chemical waste and stored in covered skips. The recyclables should be collected by licensed collectors, while the rest of the waste should be removed from the site on a daily basis to minimise odour, pest and litter impacts. Open burning must be strictly prohibited.	Pre-treatment process / Throughout operation stage	OWTF Operator			~		Waste Disposal (Chemical Waste) (General)
7.6.2.4	6.3	 Chemical Waste Chemical waste generated from machinery maintenance and servicing should be managed in accordance with the Code of Practice on the Packaging, Labelling and storage of Chemical Wastes under the provisions of Waste Disposal (Chemical Waste) (General) Regulation. The chemical waste should be collected by drum-type containers and, when transported off-site, removed by licensed chemical waste contractors. Alternatively, some of the chemical waste may be retained on-site for re-use by the Project in the manufacture of biogas or other products, subject to their composition being confirmed as suitable for such application. 	Construction site Throughout operation stage	OWTF Operator			~		Code of Practice on the Packaging Labelling and Storage of Chemical Wastes; Waste Disposal (Chemical Waste) (General) Regulation



					Imple	ementa	tion St	age ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		 Plant / equipment maintenance schedules should be planned in order to minimise the generation of chemical waste. 					•	•	
		 Non-recyclable chemical wastes and lubricants should be disposed of at appropriate facilities, such as CWTC. Copies or counterfoils from collection receipts issued by the licensed waste collector should be kept for recording purpose. 							
		 Recyclable chemical waste will be transported off-site for treatment by a licensed collector. The Contractor will need to register with EPD as a chemical waste producer. 							
7.6.2.5	6.3	General Refuse	Construction site / On a	OWTF Operator			\checkmark		Waste Disposa
		Waste generated in site offices should be reduced through segregation and collection of recyclables. To promote the recycling of wastes such as used paper, aluminium cans and plastic bottles, it is recommended that recycling bins should be clearly labelled and placed at locations with easy access. For the collection of recyclable materials, they should be collected by licensed collectors.	regular basis / Throughout operation stage						Ordinance
		 General refuse, other than segregated recyclable wastes, should be separated from any chemical waste and stored in covered skips. The general refuse should be removed from the site on a daily basis to minimise odour, pest and litter impacts. Also, open burning of refuse must be strictly prohibited. 				·			
Ecologic	cal Impact	(Construction)							
8.7	7.3	For precautionary purposes and to further ensure that no wild flora species of conservation interest will be affected, prior to commencement of any construction works, it is recommended to conduct a detailed vegetation survey as baseline monitoring to update the exact locations, number and condition of individuals of <i>Aquilaria sinensis</i> and any other floral species of conservation interest within the Project Area. A Vegetation Survey Report summarizing the findings and recommendations of the detailed vegetation survey should be prepared and submitted to AFCD for approval no later than one month prior to commencement of construction works.	Before Project commencement	OWTF Operator	V				EIAO-TM



					Imp	lementa	tion St	age ¹	
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines
		fence along the plantation area where trees and vegetation, including those of conservation concern identified under the detailed vegetation survey, would be retained within the Project Area is recommended for precautionary purposes to avoid any potential impact from construction activities such as vehicle movement and materials storage. Establishment of the protective fence could also raise the awareness of personnel to be present and protection of the plants. While the protective fence should be properly maintained, monitoring of individuals of <i>Aquilaria sinensis</i> and any other floral species of conservation interest identified in the detailed vegetation survey during construction phase on a monthly basis should be conducted to make sure that they are not affected by the construction works of the Project.	stage						
Ecologic	al Impact (Operation)							
	-	No mitigation measure is required.					-	-	
Landsca	pe and Vis	ual Impact (Construction)							
Table 10.7 (CP1)	Table 8.1 (CP1)	Preservation of Existing Vegetation The development proposals would avoid disturbance to the existing trees as far as practicable within the confines of the development site. A preliminary tree survey has been undertaken to establish the existing resources. A tree survey review with formal tree removal application will be submitted to the relevant government departments for approval in accordance with ETWB TC(W) 03/2006 Tree Preservation, during the detailed design phase of the Project. Based on the preliminary findings it would be possible to retain 441 of the existing trees. If possible, all trees which are not in conflict with the proposals would be retained and shall be protected through the means of fencing, where appropriate, to prevent potential damage to tree canopies and root zones from vehicles and materials storage. Specifications for the protection of existing trees will be circulated to the relevant government authorities for approval together with the formal tree removal application.	Construction site / Throughout construction stage / Until completion of all construction activities	Contractor	~	•			Technical Circula (Works) No. 3/2006
Table 10.7 (CP2)	Table 8.1 (CP2)	 Control of site construction activities Storage of materials should be carefully arranged to minimise potential landscape and visual impact. 	Construction site / Throughout construction stage / Until completion	Contractor	\checkmark	\checkmark			EIAO-TM



				Implementation Stage ¹						
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines	
		 The location and appearance of site accommodation should be carefully designed to minimise potential landscape and visual impact. 	of all construction activities							
		 Site lighting should be carefully designed to prevent light spillage, 								
		 Extent of the works area and construction period should be minimised as far as practicable. 								
		 Screen hoarding with compatible design to blend into the surrounding natural environmental should be considered. 								
		 Temporary works areas should be reinstated at the earliest possible opportunity. 								
Table	Table	Transplantation of existing trees	Construction site /	Contractor	1	~			Technical Circula	
10.7 (CP3)	8.1 (CP3)	Under current proposal, no tree is recommended to be transplanted since the trees in conflict with the proposed works are not suitable to be transplanted. However, should transplantation be proposed in the detailed design stage after an update tree survey, the recommended final recipient sites should be adjacent to their current locations. Enough time should be reserved for tree transplantation works to increase the survival rate of the transplanting trees. To ensure the survival of transplanted trees, protection work should be considered. The tree transplantation proposal will be submitted to relevant authorities for approval together with the formal tree removal application.	Throughout construction stage / Until completion of all construction activities						(Works) No. 3/2006	
Landsca	pe and Vis	ual Impact (Operation)								
Table 10.8 (OP1)	Table 8.2 (OP1)	Design of the Proposed OWTF OWTF will incorporate design features as part of design mitigation measures including	Construction site / During design stage	Design Consultant / OWTF Operator	\checkmark				EIAO-TM	
		 Integrated design approach - the location of OWTF should be within the existing Livestock Waste Composting Plant, as far as technically feasible. The location and orientation of the OWTF should be away from landscape and visually sensitive areas such as ponds and woodlands. 								
		 Building massing – the proposed use of simple responsive design includes having specific height profile requirement 								

					Implementation Stage ¹					
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines	
		such as, single-storey, lower than the adjacent building structures, and avoiding large built structure for supporting facilities to reduce the intrusion of mass in the rural areas.								
		 Treatment of built structures – the structural design should seek to reduce the apparent visual mass of the facilities further through the use of natural materials such as wooden frames or other sustainable materials such as recycled plastics. 								
		 Responsive building finishes – Natural tones should be considered for the colour palette for proposed structures. Non-reflective finishes are recommended on the outward facing building facades to reduce glare effect. 								
		 Responsive lighting design – Aesthetic design of architectural and lighting with following glare design measures: 								
		 Directional and full cut off lighting is recommended within the boundaries of OWTF to minimise light spillage to the surroundings; 								
		 Minimise geographical spread of lighting, only applying for safety at the key access points and staircases; and 								
		Limited lighting intensity to meet the minimum safety and operation requirement.								
Table	Table 8.2 (OP2)	Amenity / Compensatory Planting	Construction site / during design and operation stage	Design Consultant	~		1		Technical Circular	
10.8 (OP2)		Tree retention within the works area is considered to be important. New tree plantings will be concentrated in the proposed amenity areas along the boundaries of the site and along the exterior of OWTF buildings. Although a preliminary planting proposal is not yet available at the moment of producing this EIA Report, anticipated new tree planting within the Project site should be able to fully compensate for the loss of 14 trees proposed to be felled in terms of both quantity and quality. 441 existing trees will be retained through preserving them at their current locations. Establishment of newly planted trees is expected. Trees with high amenity value will be placed along the access routes to provide shade and soften the hard structures of OWFT buildings. Amenity plantings will utilise native tree species found on existing neighbouring slopes or		/ OWTF Operator					(Works) Nos. 7/2002 and 3/2006	



	·				Implementation Stage ¹					
EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of measures / Timing of completion of measures	Implementation Agent	Des	Con	Ор	Dec	Relevant Legislation & Guidelines	
		woodland areas to improve the ecological connectivity between existing habitats and create a coherent landscape network. Tree species with aggressive roots should be avoided to prevent damage to OWTF buildings and structures. Trees with high or moderate amenity value and low to medium maintenance should be considered as part of landscape resource enhancement. Recommended tree species include <i>Celtis sinensis</i> and <i>Liquidambar formosana</i> . These proposals will be subjected to review at detail design stage of the Project.								
Table 10.8 (OP3)	Table 8.2 (OP3)	Treatment of Slopes In accordance with GEO Publication No. 1/2011 "Technical Guidelines on Landscape Treatment for Slopes", these engineering structures will be aesthetically enhanced through the use of soft landscape works including tree and shrub planting to give man-made slopes a natural appearance, blending into the natural landscape. Whip-sized plantings are preferred on the face of soil cut slopes, at the crest and toe of the slope and within berm planters. These smaller, younger plants can adapt to their new growing conditions quicker than larger sized stock and establish a naturalistic effect rapidly. Recommended tree species include <i>Mallotus paniculatus</i> ,	Construction site / during design and operation stage	Design Consultant / OWTF Operator	~		v		GEO Publication No. 1/2011 "Technical Guidelines on Landscape Treatment for Slopes	
Table 10.8 (OP4)	Table 8.2 (OP4)	Broussonetia papyrifera and Alangium chinense. Amenity enhancement Rooftop greening and vertical greening to mitigate the visual impact of taller structures can soften the façade of OWTF structures. Frameworks utilised for vertical greening should appear naturalistic.	Construction site / during design and operation stage	Design Consultant / OWTF Operator	~		~		Technical Circular (Works) No. 7/2002	

Remarks:

1. Des - Design Stage, C - Construction Stage, O - Operation, Dec - Decommissioning