CONTRACT NO: SD 15/2022

OUTLYING ISLAND SEWERAGE STAGE 2 – SOUTH LANTAU SEWAGE WORKS – ENVIRONMENTAL TEAM SERVICES (2023 – 2024)

UNDER ENVIRONMENTAL PERMIT NO. EP-538/2017

MONTHLY ENVIRONMENTAL MONITORING & AUDIT REPORT

FEBRUARY 2024 REVISION 2

CLIENTS:

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CERTIFIED BY:

61

Derek Lo

Environmental Team Leader

DATE:

12 March 2024



local people global experience

Our Ref:

7076811/L30715/AG/KL/TK/KCL/rw

12 March 2024

Drainage Services Department Sewage Services Branch Special Duty Division Group 3 42/F Revenue Tower 5 Gloucester Road Wan Chai, Hong Kong

By Email and Post (kschan04@dsd.gov.hk)

Attn: Mr. Silas CHAN

Dear Sir

Contract No. SD 7/2020
Independent Environmental Checker ("IEC") for Environmental Monitoring Work for South Lantau Sewerage Works
Verification of Monthly EM&A Report (February 2024)

With reference to the Monthly EM&A Report (February 2024) Revision 2 dated and certified by the ET Leader on 12 March 2024, please note that we have no adverse comments on the captioned and we hereby verify the captioned in accordance with Condition 3.4 of the Environmental Permit No. EP-538/2017.

Should you have questions please do not hesitate to contact the undersigned at tel. 3995-8140 or by email to kitty.lee@smec.com

Yours faithfully

Kitty LEE

Independent Environmental Checker

CC

Binnies

- Mr. Kevin CHAN

by email

Lam

- Mr. Derek LO / Mr. Raymond DAI

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EXECUTIVE SUMMARY

- i. This is the Monthly Environmental Monitoring and Audit (EM&A) Report February 2024 for the Outlying Islands Sewerage Stage 2 – South Lantau Sewerage Works under Environmental Permit No. EP-538/2017 (Hereafter as "the Project"). The construction works of the Project was commenced on 3 November 2021 and the tentative completion date is Q1 2026. This Monthly EM&A Report presents the environmental monitoring findings and information recorded during the period of 1 to 29 February 2024. The cut-off date of reporting is at the end of each reporting month.
- ii. In the reporting period, the principal work activities undertaken are as follows:
 - Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau road, Pui O Beach
 - Excavation and site formation at San Shek Wan Sewage Treatment Works (SSWSTW) and Pui O Sewage Pumping Station (POSPS)
 - · Horizontal Directional Drilling (HDD) works at marine
 - Removal works of Excavation and Lateral Support (ELS)
 - · Excavation and Lateral Support (ELS) works
 - Superstructure Reinforced Concrete (RC) Works

Exceedances of Action/Limit Levels

Noise Monitoring

- iii. Noise monitoring was conducted at eight (8) noise monitoring stations (*N12a, N12b, N13, N14, N15b, N16a, N16b and N17*) once per week in the reporting period.
- iv. School examination was taken place at N17 Bui O Public School from 26 to 29 February 2024 in the reporting period, the limit level of noise monitoring station N17-Bui O Public School was adjusted accordingly to 65dB(A) during the period.
- v. No Action/Limit Level exceedances were recorded in this reporting period.

Water Quality Monitoring

- vi. Water quality monitoring (WQM) had been commenced on 12 April 2022 the designated monitoring stations three days per week with respect to marine-based construction works commenced on 19 April 2022. HDD casing works commenced on 30 May 2022.
- vii. As confirmed with the Contractor and RSS, no marine works to be carried out during Chinese New Year holiday from 10 to 13 February 2024, no adverse water quality impact due to the project is expected since no marine works, as such, water quality monitoring on 12 February 2024 during CNY holiday was cancelled. No substitution would be arranged for such cancellation since it is impossible to maintain the monitoring frequency as three times a week for the event of marine water quality monitoring cancellation in between time with respect to



the fact that not less than 36 hours interval shall be followed for two monitoring days as required by the EM&A Manual Clause 5.1.6 (b) for the project.

viii. In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, no action level and limit level exceedances were recorded in the reporting month.

Ecological Impact Monitoring

- ix. Transplanting of the trees of *Aquilaris sinensis* was completed on 26 April 2022. Maintenance works for trees in holding nursery have commenced.
- x. As per latest version of PTP, four tree found (1 no. of *Aquilaria sinensis* and 3 nos. of *Gmelina chinensis*) within the site of SSWSTW which are considered to be the plant species with conservative importance for temporarily transplanted to the nursery at Kam Tin and eventually be transplanted to Pui O Pumping Station.
- xi. The weekly site audit was carried out by ET include checking whether good site practices are being properly implemented by the Contractor.
- xii. The extent of the work site boundaries was checked by the ET during the weekly site audit.

Complaint log

xiii. No environmental complaint regarding the construction works was recorded in the reporting period.

Notifications of Any Summons and Successful Prosecutions

xiv. No environmental notification of any summons and successful prosecution regarding the construction works was recorded in the reporting period.

Reporting Changes

xv. There are no particular reporting changes.

Future Key Issues

- xvi. In coming reporting 3 months, the scheduled construction activities are listed as follows:
 - Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau Road, Pui O Beach

- HDD works at marine
- Dredging at marine
- Site formation works
- Drilling works
- Excavation works
- ELS works
- Superstructure RC Works
- Removal works of ELS

xvii. Key construction activities for the next three months with the recommended mitigation measures to be implemented are presented as follows:

Key Construction Works	Recommended Mitigation Measures		
 Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau Road, Pui O Beach Dredging at marine HDD works at marine Site formation works Drilling works Excavation works ELS works Superstructure RC Works Removal works of ELS 	 Implementation of noise pollution control in accordance with Construction Noise Mitigation Plan; Dust control during dust generating works; Silt curtain should be maintained in good condition; Adopt surface drainage and sediment control facilities for sewage installation in village and public roads; Adopt temporary drainage and sediment control facilities on Site; Vehicle wheel-washing and body washing facilities should be provided at the site entrance; Regular water spraying on excavation works for dust control; and 		
Removal works of ELS	control; andProper waste handling, recycling and storage.		



Introduction

1.1 Scope of the Report

- 1.1.1. Lam Environmental Services Limited (LES) has been appointed to work as the Environmental Team (ET) under Environmental Permit (EP) No. EP-538/2017 to implement the Environmental Monitoring and Audit (EM&A) programme as stipulated in the EM&A Manual of the approved Environmental Impact Assessment (EIA) Report for the Outlying Islands Sewerage Stage 2 South Lantau Sewerage Works (Register No.: AEIAR-210/2017).
- 1.1.2. In accordance with Clause 3.4 stated in EP-538/2017, 4 hard copies and 1 electronic copy of Monthly EM&A Report shall be submitted to the Director within 2 weeks after the end of each reporting month.
- 1.1.3. According to Section 12.2 of the Project EM&A Manual, the Monthly EM&A Report should be submitted within 10 working days of the end of each reporting month, with the first report due in the month after construction commences.

1.2 Structure of the Report

- **Section 1** *Introduction* details the scope and structure of the report.
- Section 2 Basic project Information and *Environmental Status* summarizes project organization and key personnel contact, construction programme and works undertaken for the month. Construction programme, works undertaken during the month with illustrations, drawing showing the project area, environmental sensitive receivers and monitoring locations.
- **Section 3** *Implementation Status* advice on the implementation status of environmental protection and pollution control/mitigation measures, as recommended in the EIA Report and summarised in the updated implementation schedule.
- **Section 4** *Monitoring Results* summarizes the monitoring results obtained in the reporting period, including monitoring methodology, name of laboratory and equipment used and calibration details, parameters monitored, monitoring locations (and depth), monitoring date, frequency, and duration.
- Section 5 Report on Complaints, Notification of Summons and Successful Prosecutions – summarizes:

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Record of all complaints received (written or verbal) for each media, including locations and nature of complaints investigation, liaison and consultation undertaken, actions and follow-up procedures taken, results and summary; Record of notifications of summons and successful prosecutions for breaches

of the current environmental protection/pollution control legislations, including locations and nature of the breaches, investigation, follow-up actions taken,

results and summary;

Review of the reasons for and the implications of non-compliance, complaints, summons and prosecutions including review of pollution sources and working procedures; and

Description of the actions taken in the event of non-compliance and deficiency reporting and any follow-up procedures related to non-compliance.

Section 6 Future Key Issues – An account of the future key issues as reviewed from the works programme and work method statements.

Section 7 Conclusion

2 Basic project Information and Environmental Status

2.1 Basic Project Information

2.1.1. Drainage Services Department is the overall project controllers for the Project. For the construction phase of the Project, Contractor(s), Environmental Team and Independent Environmental Checker are appointed to manage and control environmental issues. Key personnel and contact particulars are summarized in *Table 2.1:*

Table 2.1 Contact Details of Key Personnel

Party	Role	Post	Name	Contact No.	Contact Fax
Drainage Services Department (DSD)	The Engineer for the Contract	Engineer	Mr. Silas Chan	2594 7272	3104 6426
Binnies Hong Kong Limited	Engineer's Representative	Resident Engineer	Mr. Kevin Chan	3529 3013	-
Kwan Lee – Chun	Contractor	Site Agent	Mr. Charles Yeung	6128 2606	2744 6937
Wo Joint Venture	Communic	Environmental Officer	Ms. Shirley Kong	5162 5933	
SMEC Hong Kong	Independent Environmental Checker (IEC)	Independent Environmental Checker (IEC)	Ms. Kitty Lee	3995 8140	3995 8101
Lam Environmental Services Limited	Environmental Team (ET)	Environmental Team Leader (ETL)	Mr. Derek Lo	2882 3939	2882 3331

2.2 Construction Programme

- 2.2.1. The proposed sewerage works will collect the sewage generated from the unsewered areas of Shui Hau, Tong Fuk, Cheung Sha, San Shek Wan, Pui O and Ham Tin in South Lantau (i.e. within the Project Catchment Area) and convey it to a proposed sewage treatment works at San Shek Wan for treatment and disposal into outer bay of Pui O/ Chi Ma Wan via a submarine outfall.
- 2.2.2. The entire Project are divided into three contracts. Contract No. DC/2020/20 (the Contract) would have the following implementations as demonstrated in *Figure 2.1*.
- 2.2.3. The major components of the Contract under Environmental Permit (EP) (EP No. EP-538/2017) comprises: (i) construction of secondary sewage treatment works (STW) at San Shek Wan in South Lantau; (ii) construction of sewage pumping station (SPS) at Pui O, San Shek Wan, Cheung Sha and Cheung Fu Street; (iii) construction of about 1.4 kilometres (km) of submarine outfall with a diameter of 350 millimetres (mm) for the disposal of treated effluent from the STW



at San Shek Wan; (iv) construction of about 10.1 km of gravity sewers with diameters ranging from 150 mm to 375 mm along South Lantau Road and Chi Ma Wan road and at Pui O; and (v) construction of about 3.1 km twin rising mains with a diameter of 200 mm to 250 mm along South Lantau Road and Chi Ma Wan Road.

2.2.4. The performance of the environmental management system of the reporting period was generally satisfied. Mitigation measures according to the environmental mitigation implementation schedule and the EIA were generally implemented by the Contractor. Hence, the EM&A programme was considered effective and shall be maintained.

2.3 Works undertaken during the month

- 2.3.1. In the reporting month, the principal work activities conducted are as follow:
 - Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau road, Pui O Beach
 - Excavation and site formation at San Shek Wan Sewage Treatment Works (SSWSTW) and Pui O Sewage Pumping Station (POSPS)
 - · Horizontal Directional Drilling (HDD) works at marine
 - Removal works of Excavation and Lateral Support (ELS)
 - Excavation and Lateral Support (ELS) works
 - Superstructure Reinforced Concrete (RC) Works

The locations of works are shown in <u>Figure 2.2</u>.

- 2.4 Drawing showing the project area, environmental sensitive receivers and monitoring locations
- 2.4.1. Noise and water monitoring location plans with sensitive receivers are shown in <u>Figure 2.3</u> and <u>Figure 2.4</u>.
- 3 Implementation Status
- 3.1 Advice on the implementation status of environmental protection and pollution control/mitigation measures
- 3.1.1. Mitigation measures according to the environmental mitigation implementation schedule in Annex A of EM&A Manual were generally implemented by the Contractor. Hence, the EM&A programme was considered effective and shall be maintained.

3.2 Environmental Mitigation Measures

3.2.1. Environmental mitigation measures mentioned the EIA Report were weekly reviewed and recorded in Weekly Environmental Site Audit Checklist. Also, a summary of the current status on submissions and measures mentioned in Environmental Permit (EP-538/2017) are shown in *Table 3.1*.

Table 3.1 Summary of submission status under EP-538/2017

EP Condition	Submission	Date of Latest Submission to EPD^ / EPD Approval#
Condition 2.10	Waste Management Plan (Rev. 5) (electronic copy)	4 April 2022#
Condition 2.11	Submission of Preservation and/or Transplantation Plan for Plant Species of Conservation Importance (Rev. 23)	9 September 2022#
Condition 2.12	Submission of Compensatory Woodland Planting Plan (Rev. 23)	15 May 2023^
Condition 2.13	Silt Curtain Deployment Plan (Rev. 11)	1 June 2022#
Condition 2.14	Landscape Mitigation Plan	To be confirmed
Condition 2.15	Construction Noise Mitigation Plan (Rev. 20)	4 August 2022#

3.3 Environmental monitoring requirements and contractual requirements

3.3.1. A summary of the current status on licences and/or permits on environmental protection pertinent to the Project is shown in *Table 3.2*.

Table 3.2 Summary of the current status on licences and/or permits on environmental protection pertinent to the Project

Permits and/or Licences	Permit. No. / Account No.	Issued Date	Valid Period & Expiry Date	Status
Notification of Works Under APCO	466408	14 Apr 2021	N/A	Valid
	SSWSTW: WT00039636-2021	30 Dec 2021	30-12-2021 to 31-12-2026	Valid
Wastewater Discharge Licence under Water Pollution Control	POPS: WT00039820-2021	31 Dec 2021	31-12-2021 to 31-12-2026	Valid
Ordinance	SSWSTW: Gravity Sewer & Raising Main: WT00042613-2022	09 Jan 2023	09-01-2023 to 31-01-2028	Valid
Billing account under Waste Disposal Ordinance	Account No.: 7040411	05 May 2021	N/A	Valid
Registration as a Chemical Waste Producer	0000-931-K3428-01	13 May 2021	N/A	Valid
Construction Noise Permit under Noise Control Ordinance for SSWSTW	GW-RS0657-23	9 Aug 2023	11-08-2023 to 08-02-2024	Valid
	GW-RS0065-24	30 Jan 2024	09-02-2024 to 08-08-2024	Valid
Construction Noise Permit under Noise Control Ordinance for POSPS	GW-RS0822-23	25 Sep 2023	27-09-2023 to 26-03-2024	Valid
Marine Dumping Permit (Dredged Sediment Requiring Type 1 – Open Sea Disposal	EP/MD/24-060	27 Feb 2024	01-03-2024 to 31-08-2024	Valid

Note: Only include those valid or under application; fill in "N/A" for non-applicable item(s).

3.4 Site Inspection and Audit Reports

- 3.4.1. Within this reporting month, weekly environmental site inspections were conducted on 06, 14, 19 and 27 February 2024. IEC attended the SSEMC meeting held on 19 February 2024. Holding nursery visit for transplanted trees on 28 February 2024.
- 3.4.2. No non-compliance was found during the site inspection while reminders on environmental measures were recommended. Results and findings of these inspections in this reporting month are listed below in *Table 3.3*.

Table 3.3 Summary of Environmental Inspections

Inspection Date	Reminder and Recommendations	Close-out Date / Status
6 February 2024	No particular findings	N.A
14 February 2024	No particular findings	N.A
19 February 2024	San Shek Wan Sewage Treatment Works-	Rectified by the
	Proper color NRMM label should be displayed at the	Contractor on 20 Feb
	drilling machine	2024
27 February 2024	No particular findings	N.A

4 Monitoring Results

4.1 Noise Monitoring

MONITORING METHODOLOGY

4.1.1 Monitoring Procedure

- (a) The impact noise monitoring should be carried out at all the designated monitoring stations when there are project-related construction activities undertaken within a radius of 300m from the monitoring stations.
- (b) The monitoring station shall normally be at a point 1m from the exterior of the sensitive receiver's building façade and be at a position 1.2m above the ground.
- (c) Façade measurements were made at the monitoring locations. For free-field measurement, a correction factor of +3 dB (A) would be applied.
- (d) The battery condition was checked to ensure the correct functioning of the meter.
- (e) Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
- (f) Frequency weighting: A, Time weighting: Fast, Measurement time set: continuous 5 mins
- (g) Prior and after to the noise measurement, the meter was checked using the acoustic calibrator for 94dB (A) at 1000 Hz. If the difference in the calibration level before and after measurement was more than ±1.0 dB (A), the measurement would be considered invalid and repeat of noise measurement would be required after recalibration or repair of the equipment.
- (h) Noise measurements will be made in accordance with standard acoustical principles and shall not be made in fog, rain, wind with a steady speed exceeding 5m/s or wind with gusts exceeding 10m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s.

NAME OF LABORATORY AND EQUIPMENT USED AND CALIBRATION DETAILS

4.1.2 Noise monitoring was performed using sound level meter at the designated monitoring locations. The sound level meters shall comply with the International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications. Acoustic calibrator shall be deployed to check the sound level meters at a known sound pressure level. Brand and model of the equipment is given in *Table 4.1*.

Table 4.1 Noise Monitoring Equipment

Equipment	Brand and Model	Series Number
Integrated Sound Level Meter	Larson Davis LxT1	0005062
Acoustic Calibrator	Larson Davis CAL200	13098

4.1.3 The calibration certificates of the noise monitoring equipment are attached in *Appendix 4.1*.

4.1.4 Calibration Details

- (a) The microphone head of the sound level meter was cleaned with soft cloth at regular intervals.
- (b) The sound level meter and calibrator were calibrated at yearly intervals.

PARAMETERS MONITORED

- 4.1.5 The construction noise level shall be measured in terms of the A-weighted equivalent continuous sound pressure level (Leq). Leq(30min) should be used as the monitoring parameter. Supplementary information for data auditing, statistical results such as L10 and L90 shall also be obtained for reference.
- 4.1.6 For impact monitoring for construction of village sewers / rising main, noise monitoring should be undertaken on weekly basis. One set of L_{eq(30min)} noise level as six consecutive L_{eq(5min)} between 07:00-19:00 hours on normal weekdays.

MONITORING STATIONS

4.1.7 The noise monitoring stations for the Project are listed and shown in *Table 4.2*, impact noise monitoring was conducted at Eight (8) noise monitoring stations N12a, N12b, N13, N14, N15b, N16a, N16b and N17 once per week in the reporting month.

Table 4.2 Noise Monitoring Station

Monitoring Station ID (1)	Monitoring Location	Measurement Type	Level (in terms of no. of floor)
N01a	Shui Hau Village	Free-Field	G/F
N01c	Shui Hau Village	Free-Field	G/F
N03a	Tong Fuk Village	Free-Field	G/F
N05a	Residences at Cheung Fu Street	Free-Field	G/F
N07	Government Holiday Bungalows	Free-Field	G/F
N08	Cheung Sha Ha Tsuen	Free-Field	G/F
N10	Cheung Sha Sheung Tsuen	Façade	G/F
N11b	San Shek Wan – Ming Garden	Free-Field	G/F
N12a	Lo Uk Tsuen	Free-Field	G/F
N12b	Lo Uk Tsuen	Façade	G/F
N13	Pui O San Wai Tsuen	Façade	G/F
N14	South Lantau Community Centre	Free-Field	G/F
N15b	Pui O Lo Wai Tsuen	Façade	G/F
N16a	Residences at Ham Tin	Free-Field	G/F

Monitoring Station ID (1)	Monitoring Location	Measurement Type	Level (in terms of no. of floor)
N16b	Residences at Ham Tin	Free-Field	G/F
N17	Bui O Public School	Façade	R/F

Remarks (1): Fine adjustment of noise monitoring stations at all locations was proposed as per EP Condition 3.1.

MONITORING DATE, TIME, FREQUENCY AND DURATION

4.1.8 For daytime construction work on normal weekdays, monitoring of L_{eq(30min)} should be carried out at each station at 0700-1900 hours on normal weekdays at a frequency of once a week. Impact monitoring schedule can be referred to <u>Appendix 4.2</u>.

NOISE MONITORING RESULTS

- 4.1.9 Noise monitoring results measured in this reporting period are reviewed and summarized.
 Details of noise monitoring results and graphical presentation can be referred in <u>Appendix 4.3</u>.
- 4.1.10 School examination was taken place at N17 Bui O Public School from 26 to 29 February 2024 in the reporting period, the limit level of noise monitoring station N17-Bui O Public School was adjusted accordingly to 65dB(A) during the period.
- 4.1.11 No action or limit level exceedance was recorded in construction noise level in this reporting period.



4.2 Water Quality Monitoring

MONITORING METHODOLOGY

4.2.1 Monitoring Procedure

- (a) The condition near the monitoring stations shall be observed and recorded on the data log sheet.
- (b) Check of sensors and electrodes with certified standard solutions before each use.
- (c) Wet bulb calibration for a DO meter should be carried out before measurement.
- (d) Water depth should be recorded by detector before sampling.
- (e) Sample would be taken using bucket sampler at surface level.
- (f) Transfer the sampled water carefully into cleaned water bottles (2x 1000ml) provided by the laboratory at the spot after the collection of the water sample for the subsequent laboratory Suspended Solid testing.
- (g) Transfer the sampled water from the bucket sampler to the rinsed water container for in-situ measurement (In case of the in-situ measurement cannot be carried at spot due to safety and adverse weather condition, sampled water from the bucket sampler will be transfer to cleaned water bottles provided by laboratory. Then, In-situ measurement will be conducted at a safe location which sampled water inside cleaned water bottle will be transfer to the rinsed water container for in-situ measurement) In-situ measurement shall be measured in duplicate.
- (h) Parameters including Water Temperature (°C), pH (units), Salinity (ppt), DO (mg/L), DO saturation (%) will be measured by the Multifunctional Meter and Turbidity (NTU) will be measured by turbid meter. (Water Temperature and Salinity will be measured as reference parameters)
- (i) Record the result on the data log sheet and record any special finding during / after in-situ measurement.
- (j) The water sample bottles will be stored in a cool box (at cooled to 4°C without being frozen), which shall be delivered to HOKLAS laboratory (ALS Technichem (HK) Pty Ltd) for further testing to determine the level of SS.

NAME OF LABORATORY AND EQUIPMENT USED AND CALIBRATION DETAILS

LABORATORY MEASUREMENT / ANALYSIS

4.2.2 Analysis of suspended solids will be carried out in a HOKLAS accredited laboratory, which is ALS Technichem (HK) Pty Ltd.

EQUIPMENT USED

Dissolved Oxygen, pH And Temperature Measuring Equipment

4.2.3 Multifunctional Meter and Turbid Meter are used at each designated monitoring station. They are capable of measuring:



- (a) a dissolved oxygen level in the range of 0-20mg/L and 0-200% saturation (Detection Limit: 0.1mg/L)
- (b) a temperature of 0-45 degree Celsius (Detection Limit: 0.1 degree Celsius)
- (c) turbidity level between 0-1000NTU (Detection Limit: 0.1NTU)
- (d) salinity in the range of 0-40ppt (Detection Limit: 0.1ppt)
- (e) pH value in range of 0.0 14.0 (Detection Limit: 0.1units)

Other monitoring equipment namely water depth meter, water current meter, dGPS positioning device, water sampler listed below were also deployed,

- (a) Water depth meter (Range: 0.6 -100m, Resolution: 0.1m)
- (b) Water current meter (Range: 0-360°, Detection Limit: 1mm/s)
- (c) dGPS positioning device (Resolution: Horizontal: 0.25m; Vertical: 0.50 m)
- (d) Water sampler (Horizontal discrete type, Capacity: 2.2L)

Sampler Container and Storage

4.2.4 A water sampler, Water samples for suspended solids measurement should be collected in high-density polythene bottles, packed in ice (cooled to 4°C without being frozen), and delivered to ALS Technichem (HK) Pty Ltd. as soon as possible after collection for analysis.

Water Depth Detector

4.2.5 A portable, battery-operated echo sounder shall be used for the determination of water depth at each designated monitoring station. This unit can either be handheld or affixed to the bottom of the workboat, if the same vessel is to be used throughout the monitoring programme.

CALIBRATION DETAILS

- 4.2.6 Maintenance and Calibration
 - (a) The responses of sensors and electrodes of the water quality monitoring equipment were cleaned and checked at regular intervals.
 - (b) DO meter (Multifunctional Meter) and turbid meter was certified by a laboratory accredited under HOKLAS or any other international accreditation scheme, and subsequently re-calibrated at three monthly intervals.
- 4.2.7 Brand and model of the equipment are given in *Table 4.3*.

Table 4.3 Water Quality Monitoring Equipment

Equipment	Brand and model	Series Number
Multifunctional Meter	Horiba U-5000	NYFVEEMS/S46V23VK
Turbid meter	Horiba U-5000	NYFVEEMS/S46V23VK

Calibration certificates of the water quality monitoring equipment are attached in Appendix 4.1.

PARAMETERS MONITORED

4.2.8 In construction phase, the levels of dissolved oxygen (DO), temperature, turbidity and salinity should be measured in situ while suspended solids (SS) is determined by laboratory analysis.

MONITORING STATIONS

4.2.9 Water quality monitoring involves 9 monitoring stations. The locations of water quality monitoring station are shown in *Table 4.4*.

Table 4.4 Marine Water Quality Stations for Water Quality Monitoring

Station	Description	Easting	Northing
CE	Upstream control station at ebb tide	810838	807538
CF	Upstream control station at flood tide	815886	808081
SR4 ⁽¹⁾	Ecological Sensitive Receiver (Coral Communities) at Pui O Wan	814938	810975
SR5	Ecological Sensitive Receiver (Coral Communities) at Pui O Wan	814326	810540
SR6	Gazetted Bathing Beach at Lower Cheung Sha	810553	810475
SR9 (1)	Ecological Important Stream at Tong Fuk	811325	809787
SR10	Secondary Contact Recreational Zones at South Lantau	810561	809494
SR12 ⁽¹⁾	Proposed Special Site of Scientific Interest (SSSI) at Shui Hau Wan	810359	808989
SR15	Gazetted Bathing Beach at Pui O and Ecologically Important Stream at Pui O	816037	810722

Remarks (1): Fine adjustment of water quality monitoring stations at SR4, SR9 and SR12 was proposed as per EP Condition 3.1, and baseline monitoring was conducted at corresponding fine adjusted locations.

MONITORING DATE, TIME, FREQUENCY AND DURATION

- 4.2.10 Water quality monitoring had been commenced on 12 April 2022 the designated monitoring stations three days per week with respect to marine-based construction works commenced on 19 April 2022. HDD casing works commenced on 30 May 2022.
- 4.2.11 To support water quality monitoring, the silt curtain deployment plan has minor updates to include an additional brand of geosynthetic material as alternative for selection and adopt underwater robot for inspecting condition of silt curtain.
- 4.2.12 The levels of dissolved oxygen (DO), temperature, turbidity and salinity were measured in situ while suspended solids (SS) is determined by laboratory analysis at all the monitoring stations in *Table 4.4* three times a week. Impact monitoring schedule can be referred to *Appendix 4.2*.
- 4.2.13 In association with the water quality parameters, other relevant data shall also be recorded, such as monitoring location / position, time, water temperature, DO saturation, weather

conditions, and any special phenomena underway near the monitoring station.

- 4.2.14 Impact Monitoring shall be carried out three days per week, at mid-flood and mid-ebb tides (within ± 1.75 hour of the predicted time). The interval between two sets of monitoring shall not be less than 36 hours. The monitoring period should avoid concurrent marine project in the vicinity.
- 4.2.15 The sampling frequency of at least three days per week should be undertaken. Upon completion of the construction works, the monitoring exercise at the designated monitoring locations should be continued for four weeks in the same manner as the impact monitoring. In case exceedance of Action/Limit Level is recorded, the frequency shall be increased as per the Event and Action Plan.
- 4.2.16 To ensure the robustness of in-situ measurement, parameters shall be measured in duplicate. In case the difference between duplicates is larger than 25%, a third set of measurement shall be carried out.

MONITORING RESULTS

- 4.2.17 Marine water quality monitoring results measured in this reporting period are reviewed and summarized. Details of marine water quality monitoring results and graphical presentation can be referred in <u>Appendix 4.4</u>
- 4.2.18 Water quality monitoring is evaluated against Action and Limit Levels. The derived Action and Limit Level proposed in Baseline Monitoring Report Rev. 9.2 was agreed by EPD on 2 September 2022. Action and Limit Levels of marine water quality monitoring have been set with reference to the derived criteria as shown in *Table 4.5* below for reference.

Table 4.5 Action and Limit Levels of Water Quality

Parameters	Action Level	Limit Level
Construction Phase Mar	rine Water Monitoring - derived criteria	
DO in mg/L ^B	Surface and Middle: 5.8 mg/L	Surface and Middle: 4 mg/L
DO III IIIg/L	Bottom: 5.9 mg/L	Bottom: 2 mg/L
	14.4 NTU <u>and</u>	23.5 NTU <u>and</u>
Turbidity in NTU	20% exceedance of value at any impact	30% exceedance of value at any impact
(Depth-averaged A) ^C	station compared with corresponding	station compared with corresponding data
	data from control station D	from control station D
	13.1 mg/L <u>and</u>	30.4 mg/L <u>and</u>
SS in mg/L	20% exceedance of value at any impact	30% exceedance of value at any impact
(Depth-averaged A) C	station compared with corresponding	station compared with corresponding data
	data from control station D	from control station D

Notes (with proposed amendments in AL/LL in underlined text):

- A. "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths.
- B. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- C. For SS and turbidity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- D. Action Level and Limit Level with 95%-ile / 99%-ile derived from baseline data "and" 20% / 30% exceedance of control station proposed in Baseline Monitoring Report.
- 4.2.19 Number of exceedances recorded during the reporting month are summarized in *Table 4.6*.

Table 4.6 Summary of Marine Water Quality Exceedances



	Parameter	DO (S&M)	DO (B	ottom)	Turl	oidity	S	S		edance ount
Station	Level	Mid	Mid	Mid	Mid	Mid Ebb	Mid Flood	Mid Ebb	Mid Flood	Mid	Mid
	exceeded	Ebb	Flood	Ebb	Flood					Ebb	Flood
SR4	Action	/	/	/	/	/	/	/	/	0	0
	Limit	/	/	/	/	/	/	/	/	0	0
SR5	Action	/	/	/	/	/	/	/	/	0	0
	Limit	/	/	/	/	/	/	/	/	0	0
SR6	Action	/	/	/	/	/	/	/	/	0	0
	Limit	/	/	/	/	/	/	/	/	0	0
SR9	Action	/	/	/	/	/	/	/	/	0	0
	Limit	/	/	/	/	/	/	/	/	0	0
SR10	Action	/	/	/	/	/	/	/	/	0	0
	Limit	/	/	/	/	/	/	/	/	0	0
SR12	Action	/	/	/	/	/	/	/	/	0	0
	Limit	/	/	/	/	/	/	/	/	0	0
SR15	Action	/	/	/	/	/	/	/	/	0	0
	Limit	/	/	/	/	/	/	/	/	0	0
Total	Action	0	0	0	0	0	0	0	0		0
	Limit	0	0	0	0	0	0	0	0	, The state of the	0

- 4.2.20 As confirmed with the Contractor and RSS, no marine works to be carried out during Chinese New Year holiday from 10 to 13 February 2024, no adverse water quality impact due to the project is expected since no marine works, as such, water quality monitoring on 12 February 2024 during CNY holiday was cancelled. No substitution would be arranged for such cancellation since it is impossible to maintain the monitoring frequency as three times a week for the event of marine water quality monitoring cancellation in between time with respect to the fact that not less than 36 hours interval shall be followed for two monitoring days as required by the EM&A Manual Clause 5.1.6 (b) for the project.
- 4.2.21 In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, no action level and limit level exceedances were recorded in the reporting month.

4.3 Ecology

MONITORING METHODOLOGY

- 4.3.1 The weekly site audit to be carried out by the ET should include checking whether good site practices are being properly implemented by the Contractor.
- 4.3.2 Impact monitoring of the transplanted *Aquilaris sinensis* at holding nursery and one retain tree of *Aquilaris sinensis* in SSWSTW Project Site, establishment and after-establishment caring measures of the compensatory mixed woodland to ensure the affected tree would not be affected by any unacceptable construction works. The trees would be treated with establishment works immediately after transplanting.

PARAMETERS MONITORED

4.3.3 The extent of the work site boundaries should be checked by the ET during the weekly site

- audit. Any disturbance by the Contractor outside the works area especially any damage to the vegetation and surrounding habitats outside the Project area shall be reported to ER and IEC.
- 4.3.4 To identify any unacceptable construction works for the trees of *Aquilaris sinensis* during transplanting, establishment and after-establishment caring measures of the compensatory mixed woodland.

MONITORING LOCATION

4.3.5 As per latest version of PTP, four tree found (1 no. of *Aquilaria sinensis* and 3 nos. of *Gmelina chinensis*) within the site of SSWSTW (*Figure 2.5*) which are considered to be the plant species with conservative importance for temporarily transplanted to the nursery (*Figure 2.6*) at Kam Tin and eventually be transplanted to Pui O Pumping Station.

MONITORING DATE, TIME, FREQUENCY AND DURATION

- 4.3.6 The recommended good site practices to be audited once every week as part of the site audit programme. The weekly site audit to be carried out by the ET includes checking whether good site practices are being properly implemented by the Contractor. Results are recorded in Weekly Environmental Site Audit Checklist.
- 4.3.7 Monitoring programme for post-transplantation was conducted on 28 February 2024 once per month.

MONITORING RESULTS

- 4.3.8 The weekly site audit was carried out by ET include checking whether good site practices are being properly implemented by the Contractor.
- 4.3.9 The extent of the work site boundaries was checked by the ET during the weekly site audit.
- 4.3.10 Results and findings of site audit in this reporting month are listed in *Table 3.3*.

4.4 Waste Management

4.4.1 The quantities of waste for disposal in the Reporting Period are summarized in *Table 4.7*. The Monthly Summary Waste Flow Table is shown in *Appendix 4.5*.

Table 4.7 Summary of Quantities of Waste Material

Waste Type	Quantity this month	Quantity (the end of last month)	Cumulative Quantity-to-Date
Hard Rock and Large Broken Concrete (Inert)	0	0	0



Waste Type	Quantity this month	Quantity (the end of last month)	Cumulative Quantity-to-Date
(in '000m³)			
Reused in this Contract (Inert) (in '000m³)	0	0	0
Reused in other Projects (Inert) (in '000m³)	0	0	0
Disposal as Public Fill (Inert) (in '000m³)	0.17578	1.68286	16.80158
Metals (in '000kg)	8.15540	0	15.68370
Paper / Cardboard Packing (in '000kg)	0.04180	0	0.63048
Plastics (in '000kg)	0.00110	0	0.06836
Chemical Wastes (in '000kg)	0	0	0
General Refuses (in '000kg)	17.86	8.63	587.37
Marine Sediment (Type 1 – Open Sea Disposal) , m3	0	0	60.2

5 Complaints, Notification of Summons and Prosecution

- 5.1.1 No environmental complaint was recorded in the reporting month.
- 5.1.2 No notification of summons and successful prosecution regarding construction works were recorded in the reporting month.
- 5.1.3 Cumulative statistic on complaints, summary of complaints and successful prosecutions are summarized in *Table 5.1*, *Table 5.2* and *Table 5.3* respectively.

Table 5.1 Cumulative Statistics on Complaints

Reporting Period	No. of Complaints
February 2024	0
Project commencement to the end of last reporting month	2
Total	2

Table 5.2 Summary of Complaints

Date of Notification from EPD	Date of Complaint	Description of Complaint	Validity of Complaint	Close-Out Date / Status
26 May 2022	22 May 2022	A complaint is regarding noise nuisance from marine site of San Shek Wan, Lantau Island.	Based on the investigation, the works activities of marine works did not result in any noise nuisance to Noise Sensitive Receivers (NSRs), noise nuisance from the Project is unlikely to be valid.	The interim report was submitted to EPD in June 2022. EPD replied no further comments on the final investigation report on 13 July 2022.
23 Dec 2022	21 Dec 2022	A complaint is regarding to the water quality for Pui O Beach, Lantau Island.	Based on the investigation, the works activities at POPS did not result in any water quality impacts to the Pui O Beach.	The interim report was submitted to EPD on 4 Jan 2023.

Table 5.3 Cumulative Statistics on Successful Prosecutions

Environmental Parameters	Cumulative No. Brought Forward	No. of Successful Prosecutions this month (Offence Date)	Cumulative No. Project-to-Date
Air	-	0	0
Noise	-	0	0
Water	-	0	0
Waste	-	0	0
Other	-	0	0
Total	-	0	0

6 Future Key Issues

- 6.1.1 In coming reporting 3 months, the scheduled construction activities are listed as follows:
 - Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau Road, Pui O Beach
 - HDD works at marine
 - Dredging at marine
 - Site formation works
 - Drilling works
 - Excavation works
 - ELS works
 - Superstructure RC Works
 - Removal works of ELS
- 6.1.2 The scheduled construction activities and the recommended mitigation measures for the coming 3 months are listed in *Table 6.1*. The major construction activities for the next 3 months are summarized in Three Months Rolling Programme March 2024 to May 2024 in *Appendix* 6.1.

Table 6.1 Construction Activities and Recommended Mitigation Measures in Coming Reporting 3 Months

Key Construction Works	Recommended Mitigation Measures
 Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau Road, Pui O Beach HDD works at marine Dredging at marine 	 Implementation of noise pollution control in accordance with Construction Noise Mitigation Plan; Dust control during dust generating works; Silt curtain should be maintained in good condition; Adopt surface drainage and sediment control facilities for sewage installation in village and public roads;
Site formation worksDrilling worksExcavation works	 Adopt temporary drainage and sediment control facilities on Site; Vehicle wheel-washing and body washing facilities should
ELS worksSuperstructure RC WorksRemoval works of ELS	 be provided at the site entrance; Regular water spraying on excavation works for dust control; and Proper waste handling, recycling and storage.

7 Conclusion

7.1 Noise Monitoring

- 7.1.1 School examination was taken place at N17 Bui O Public School from 26 to 29 February 2024 in the reporting period, the limit level of noise monitoring station N17-Bui O Public School was adjusted accordingly to 65dB(A) during the period.
- 7.1.2 No action or limit level exceedance was recorded in construction noise level in this reporting period.

7.2 Water Quality Monitoring

- 7.2.1 Marine-based construction works commenced on 19 April 2022, HDD casing works commenced on 30 May 2022.
- 7.2.2 As confirmed with the Contractor and RSS, no marine works to be carried out during Chinese New Year holiday from 10 to 13 February 2024, no adverse water quality impact due to the project is expected since no marine works, as such, water quality monitoring on 12 February 2024 during CNY holiday was cancelled. No substitution would be arranged for such cancellation since it is impossible to maintain the monitoring frequency as three times a week for the event of marine water quality monitoring cancellation in between time with respect to the fact that not less than 36 hours interval shall be followed for two monitoring days as required by the EM&A Manual Clause 5.1.6 (b) for the project.
- 7.2.3 In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, no action level and limit level exceedances were recorded in the reporting month.

7.3 Ecological Impact Monitoring

- 7.3.1 Transplanting of the trees of *Aquilaris sinensis* was completed on 26 April 2022. Maintenance works for trees in holding nursery have commenced.
- 7.3.2 As per latest version of PTP, four tree found (1 no. of Aquilaria sinensis and 3 nos. of Gmelina chinensis) within the site of SSWSTW which are considered to be the plant species with conservative importance for temporarily transplanted to the nursery at Kam Tin and eventually be transplanted to Pui O Pumping Station.
- 7.3.3 The weekly site audit was carried out by ET include checking whether good site practices are being properly implemented by the Contractor.
- 7.3.4 The extent of the work site boundaries was checked by the ET during the weekly site audit.
- 7.3.5 Within this reporting period, holding nursery visit for transplanted trees on 28 February 2024.
- 7.3.6 No non-compliance was found during the site inspection while reminders on environmental



measures were recommended. Results and findings of these inspections in this reporting period are listed below in *Table 7.1*.

Table 7.1 Summary of Ecological Impact Monitoring

Inspection Date	Reminder and Recommendations	Close-out Date / Status
28 February 2024	Transplanted trees in holding nursery at Kam Tin Remainder: 1. The Contractor was reminded to remove other herbaceous plant species from <i>Celtis sinensis</i> (T114) and <i>Gmelina chinensis</i> (T751).	Will be rectified in early March 2024

Note: Previous finding during site inspection on 26 January 2024 was rectified on 2 February 2024.

- 7.4 Review of the Reasons for and the Implications of Non-compliance
- 7.4.1 No environmental non-compliance was recorded in the reporting month.
- 7.5 Summary of action taken in the event of and follow-up on non-compliance
- 7.5.1 There was no particular action taken since no non-compliance was recorded in the reporting period.

Figure 2.1

Master Layout Plan

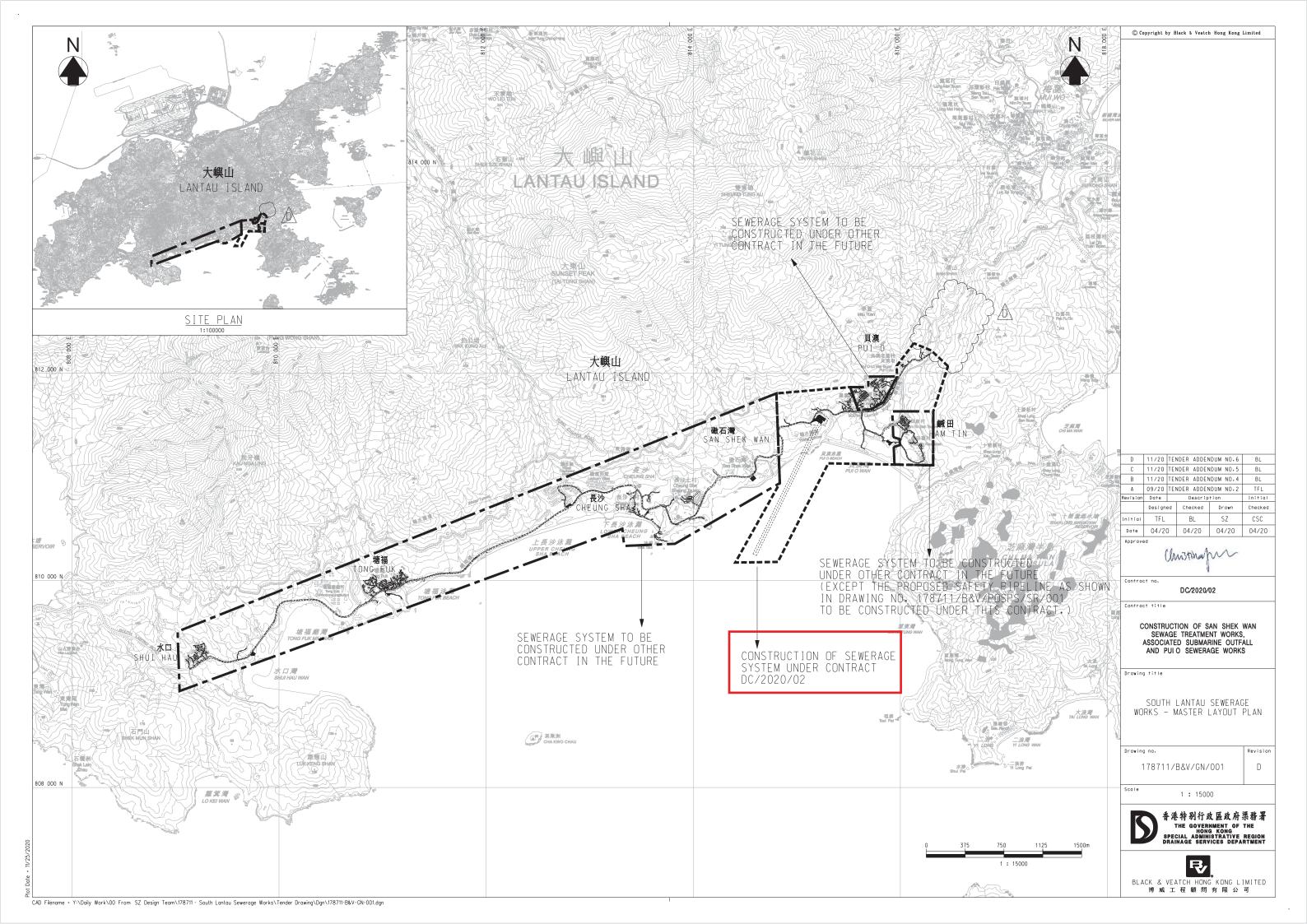


Figure 2.2

Contract Layout Plan

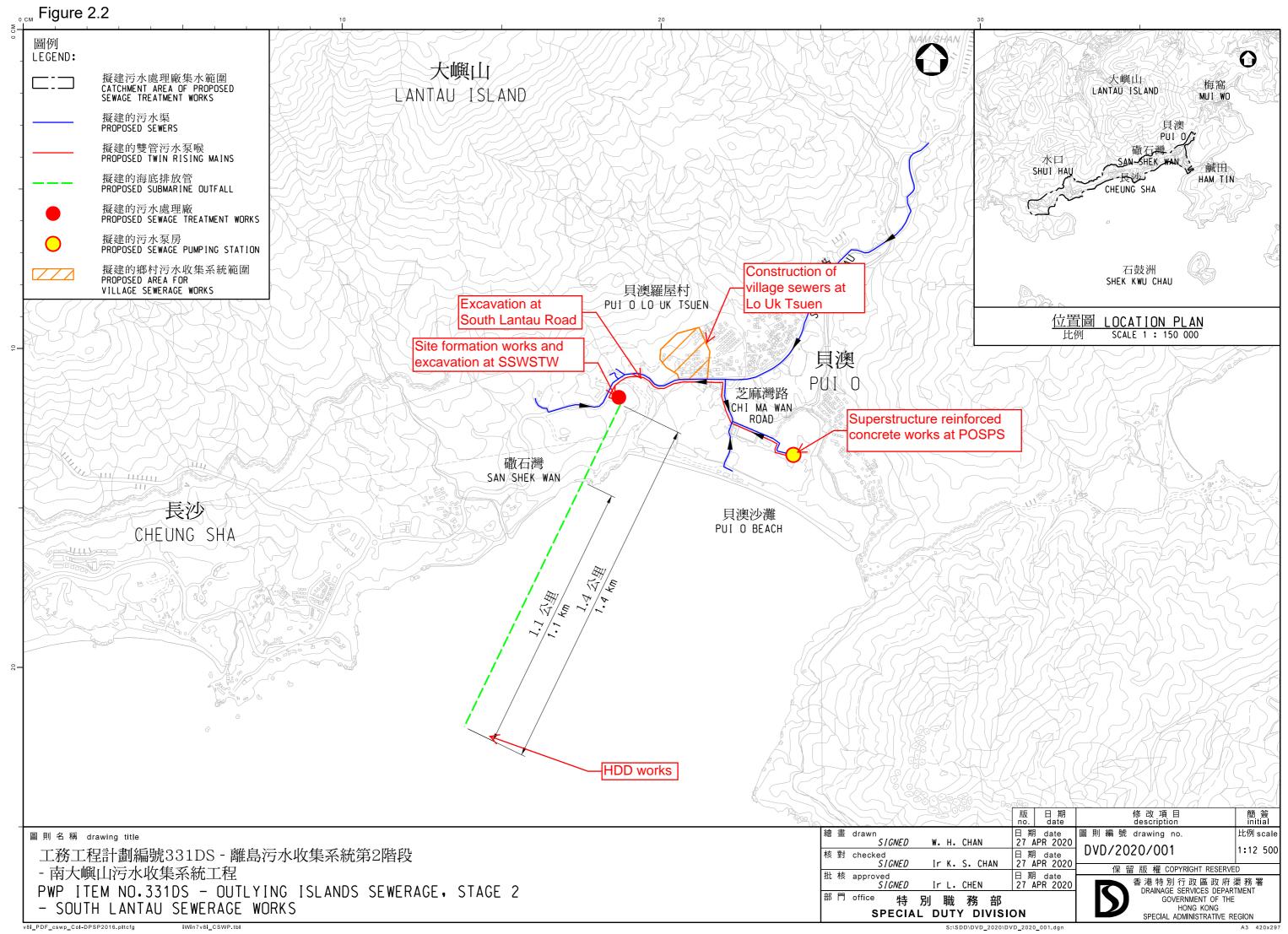


Figure 2.3

Locations of Noise Monitoring Station

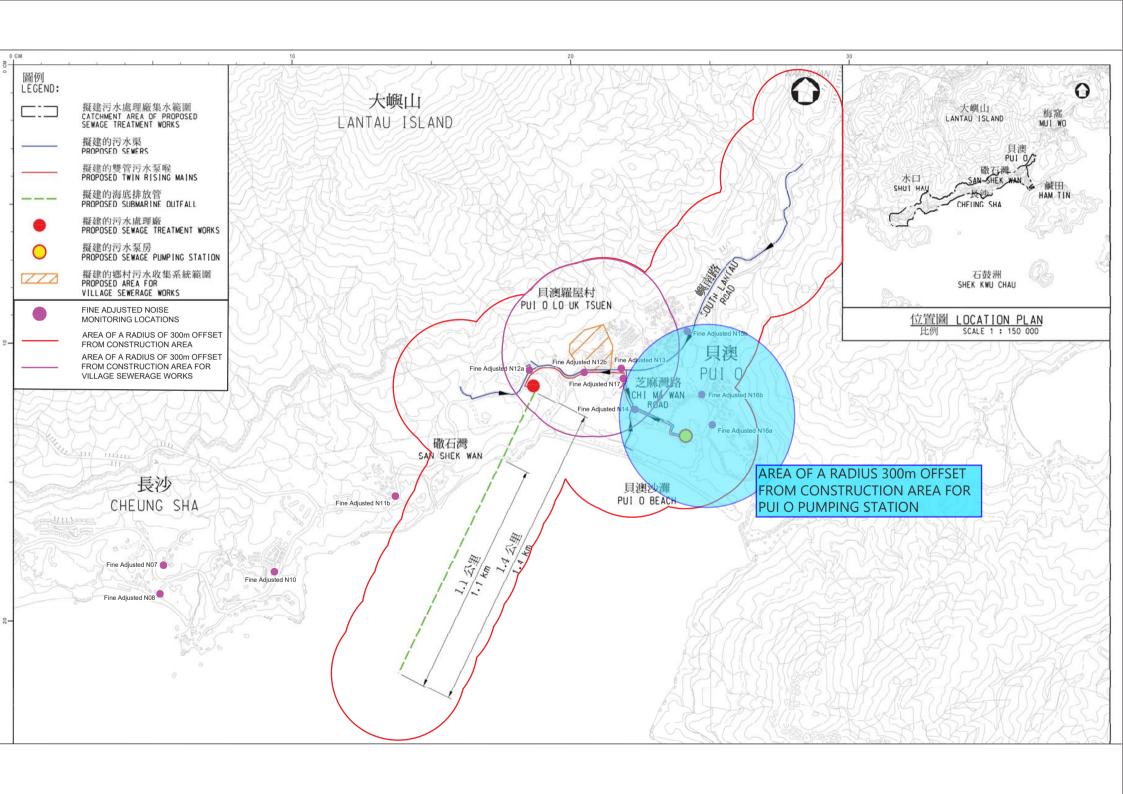


Figure 2.4 Locations of Water Quality Monitoring Stations

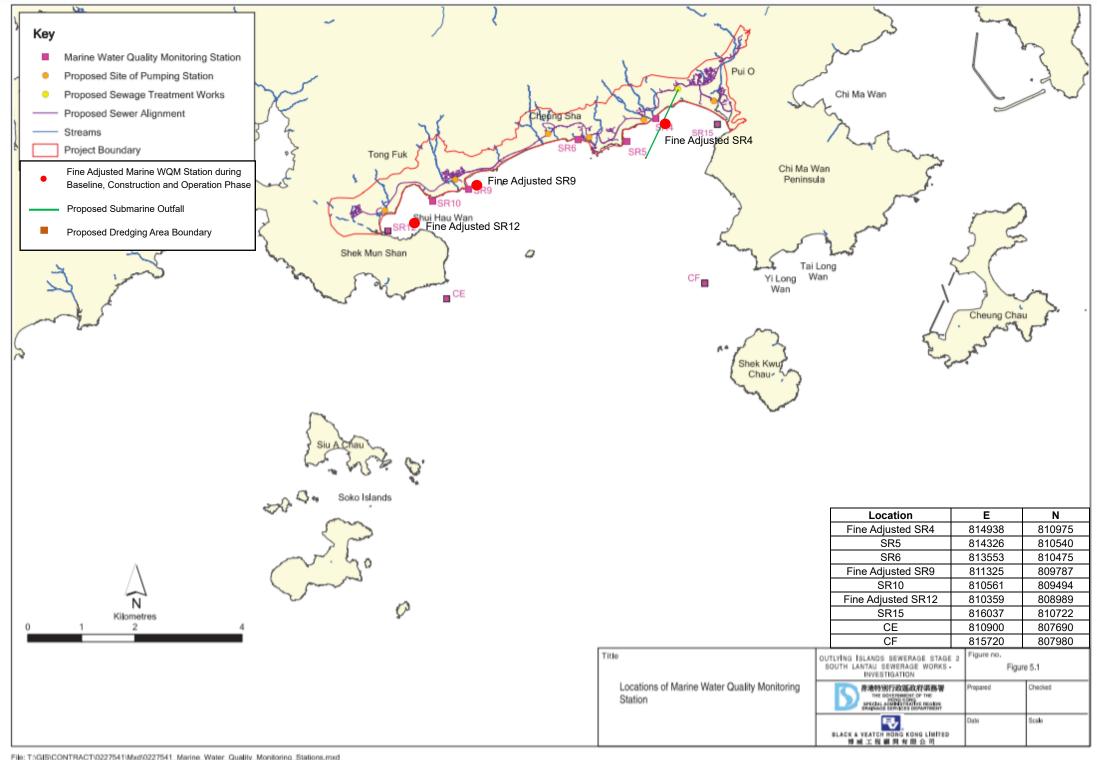
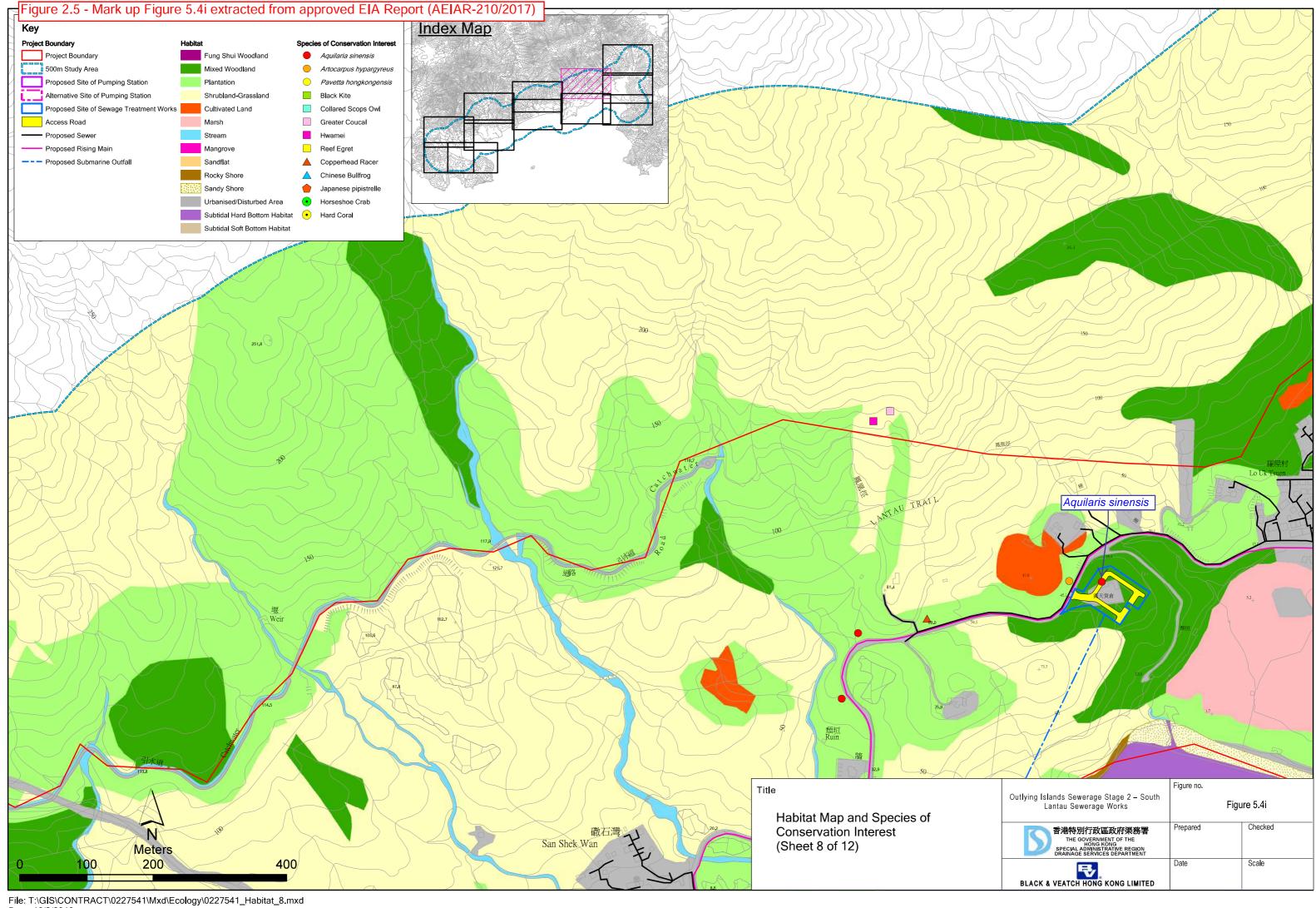


Figure 2.5

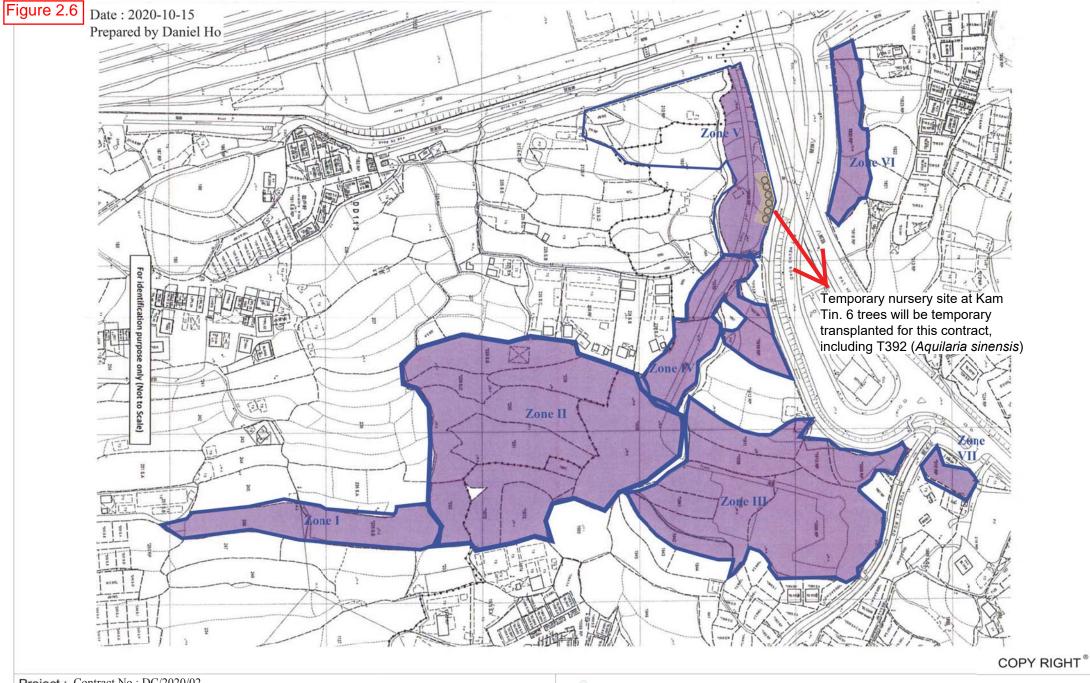
Mark up Figure 5.4i extracted from approved EIA Report (AEIAR-210/2017)



File: T:\GIS\CONTRACT\0227541\Mxd\Ecology\0227541_Habitat_8.mxd Date: 16/8/2016

Figure 2.6

Location Plan for Temporary Holding Nursery



Project: Contract No.: DC/2020/02

Construction of San Shek Wan Sewage Treatment Works,

Associated Submarine Outfall and Pui O Sewerage Works

Drawing Title: Location Plan for 6 nos. Trees on Kam Tin Nursery



Toyo Greenland Co., Ltd.

Check : Ho Tat Pui, Daniel	Scale : N.T.S.	Rev.
Ref : C3109/22/TGD0164	Date : 10 January 2022	00

Appendix 4.1

Copies of Calibration Certificates



香港新界葵涌永基路22-24號好爸爸創科大廈 Good Ba Ba Hitech Building, Nos. 22-24 Wing Kei Road, Kwai Chung, New Territories, Hong Kong Tel: (852) 2873 6860 Fax: (852) 2555 7533 E-mail: smec@cigismec.com Website: www.cigismec.com



2



CERTIFICATE OF CALIBRATION

Certificate No.:

23CA0508 02-04

Page

of

Item tested

Description: Manufacturer:

Adaptors used:

Sound Level Meter (Class 1) Larson Davis

Type/Model No.: Serial/Equipment No.:

LxT1 0005062 Microphone PCB 377B02 173734

Preamp **PCB** PRMLxT1L 042836

Item submitted by

Customer Name:

Lam Environmental Services Limited

Address of Customer:

Request No.: Date of receipt:

08-May-2023

Date of test:

11-May-2023

Reference equipment used in the calibration

Description:

Multi function sound calibrator

Model:

Serial No.

Expiry Date: 23-Aug-2023

Traceable to: CIGISMEC

Signal generator

B&K 4226 DS 360

2288444 61227

08-Jun-2023

CEPREI

Ambient conditions

Temperature:

22 ± 1 °C 55 ± 10 %

Relative humidity: Air pressure:

1005 ± 5 hPa

Test specifications

The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.

The electrical tests were performed using an electrical signal substituted for the microphone which was removed and 2, replaced by an equivalent capacitance within a tolerance of ±20%.

The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference 3, between the free-field and pressure responsess of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Actual Measurement data are documented on worksheets.

Feng

Approved Signatory:

Date:

13-May-2023

Company Chop:

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument. The results apply to the item as received.

C Soils & Materials Engineering Co., Ltd.

Form No.CARP152-1/Issue 1/Rev.C/01/02/2007



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2



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.:

23CA0508 02-04

Page

0

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Subtest:	Status:	Expanded Uncertanity (dB)	Coverage Factor
Self-generated noise	Α	Pass	0.3	
Och-generated holde	Č	Pass	0.8	2.1
	Lin	Pass	1.6	2.2
Linearity range for Leq	At reference range , Step 5 dB at 4 kHz	Pass	0.3	
	Reference SPL on all other ranges	Pass	0.3	
	2 dB below upper limit of each range	Pass	0.3	
	2 dB above lower limit of each range	Pass	0.3	
Linearity range for SPL	At reference range , Step 5 dB at 4 kHz	Pass	0.3	
Frequency weightings	Α	Pass	0.3	
, , ,	С	Pass	0.3	
	Lin	Pass	0.3	
Time weightings	Single Burst Fast	Pass	0.3	
	Single Burst Slow	Pass	0.3	
Peak response	Single 100µs rectangular pulse	Pass	0.3	
R.M.S. accuracy	Crest factor of 3	Pass	0.3	
Time weighting I	Single burst 5 ms at 2000 Hz	Pass	0.3	
	Repeated at frequency of 100 Hz	Pass	0.3	
Time averaging	1 ms burst duty factor 1/103 at 4kHz	Pass	0.3	
	1 ms burst duty factor 1/104 at 4kHz	Pass	0.3	
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4	
Sound exposure level	Single burst 10 ms at 4 kHz	Pass	0.4	
Overload indication	SPL	Pass	0.3	
	Leq	Pass	0.4	

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertanity (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
and American Agencia (Construction and American State (Construction of the Construction of the Constructi	Weighting A at 8000 Hz	Pass	0.5	

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

Calibrated by:

Fung Chi Yip

Ellu -

Checked by:

Chan Yuk Yiu

Date:

 13-May-2023

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.

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Form No.CARP152-2/Issue 1/Rev.C/01/02/2007



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Test Data for Sound Level Meter Page 1 of 5

Sound level meter type:

LxT1

Serial No.

0005062

Date 11-May-2023

Microphone Preamp type: type: 377B02 PRMLxT1L Serial No. Serial No. 173734 042836

Report: 23CA0508 02-04

SELF GENERATED NOISE TEST

The noise test is performed in the most sensitive range of the SLM with the microphone replaced by an equivalent impedance.

Noise level in A weighting

8.5

dB

Noise level in C weighting

12.5

dB

Noise level in Lin

19.5

dB

LINEARITY TEST

The linearity is tested relative to the reference sound pressure level using a continuous sinusoidal signal of frequency 4 kHz. The measurement is made on the reference range for indications at 5 dB intervals starting from the 94 dB reference sound pressure level. And until within 5 dB of the upper and lower limits of the reference range, the measurements shall be made at 1 dB intervals.(SLM set to LEQ/SPL)

Reference/Expected level	Actua	al level	Tolerance	Devia	ation
Reference/Expected level	non-integrated	integrated		non-integrated	integrated
dB	dB	dB	+/- dB	dB	dB
94.0	94.0	94.0	0.7	0.0	0.0
99.0	99.0	99.0	0.7	0.0	0.0
104.0	104.0	104.0	0.7	0.0	0.0
109.0	109.0	109.0	0.7	0.0	0.0
114.0	114.0	114.0	0.7	0.0	0.0
115.0	115.0	115.0	0.7	0.0	0.0
116.0	116.0	116.0	0.7	0.0	0.0
117.0	117.0	117.0	0.7	0.0	0.0
118.0	118.0	118.0	0.7	0.0	0.0
119.0	118.9	118.9	0.7	-0.1	-0.1
120.0	120.0	120.0	0.7	0.0	0.0
89.0	89.0	89.0	0.7	0.0	0.0
84.0	84.0	84.0	0.7	0.0	0.0
79.0	79.0	79.0	0.7	0.0	0.0
74.0	74.0	74.0	0.7	0.0	0.0
69.0	69.0	69.0	0.7	0.0	0.0
64.0	64.0	64.0	0.7	0.0	0.0
59.0	59.0	59.0	0.7	0.0	0.0
54.0	54.0	54.0	0.7	0.0	0.0
49.0	49.0	49.0	0.7	0.0	0.0
44.0	44.0	44.0	0.7	0.0	0.0
39.0	38.9	38.9	0.7	-0.1	-0.1
34.0	33.9	33.9	0.7	-0.1	-0.1
33.0	32.9	32.9	0.7	-0.1	-0.1

Form No.: CAWS 152/Issue 1/Rev. B/01/02/2007



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Test Data for Sound Level Meter

Page 2 of 5

Sound level meter type:		LxT1		Seri	ial No.	0005062	Da	te 11-M	ay-2023
Microphone Preamp	type: type:	377B02 PRMLxT1L			ial No. ial No.	173734 042836	Re	port: 23CA	0508 02-04
32.0		31.9	31.9		0.7		-0.1	-0.1	
31.0		30.9	30.9		0.7		-0.1	-0.1	
30.0		29.8	29.9		0.7		-0.2	-0.1	

Measurements for an indication of the reference SPL on all other ranges which include it

Other ranges	Expected level	Actual level	Tolerance	Deviation
dB	dB	dB	+/- dB	dB
20-120	94.0	94.0	0.7	0.0

Measurements on all level ranges for indications 2 dB below the upper limit and 2 dB above the lower limit

Ranges	Reference/Expected level	Actual level	Tolerance	Deviation
dB	dB	dB	+/- dB	dB
20.120	30.0	29.9	0.7	-0.1
20-120	118.0	118.0	0.7	0.0

FREQUENCY WEIGHTING TEST

The frequency response of the weighting netwoks are tested at octave intervals over the frequency ranges 31.5 Hz to 12500 Hz. The signal level at 1000 Hz is set to give an indication of the reference SPL.

Frequency weighting A:

Frequency	Ref. level	Expected level	Actual level	Tolerar	nce(dB)	Deviation
Hz	dB	dB	dB	+	-	dB
1000.0	94.0	94.0	94.0	0.0	0.0	0.0
31.6	94.0	54.6	54.6	1.5	1.5	0.0
63.1	94.0	67.8	67.8	1.5	1.5	0.0
125.9	94.0	77.9	77.9	1.0	1.0	0.0
251.2	94.0	85.4	85.4	1.0	1.0	0.0
501.2	94.0	90.8	90.7	1.0	1.0	-0.1
1995.0	94.0	95.2	95.2	1.0	1.0	0.0
3981.0	94.0	95.0	95.0	1.0	1.0	0.0
7943.0	94.0	92.9	92.9	1.5	3.0	0.0
12590.0	94.0	89.7	89.7	3.0	6.0	0.0

Frequency weighting C:

Frequency	Ref. level	Expected level	Actual level	Tolerance(dB)		Deviation	
Hz	dB	dB	dB	+	-	dB	
1000.0	94.0	94.0	94.0	0.0	0.0	0.0	
31.6	94.0	91.0	91.0	1.5	1.5	0.0	
63.1	94.0	93.2	93.1	1.5	1.5	-0.1	
125.9	94.0	93.8	93.8	1.0	1.0	0.0	
251.2	94.0	94.0	94.0	1.0	1.0	0.0	
501.2	94.0	94.0	94.0	1.0	1.0	0.0	

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Form No.: CAWS 152/Issue 1/Rev. B/01/02/2007



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Test Data for Sound Level Meter

Page 3 of 5

Sound level me	eter type:	LxT	1	Serial No.	000	5062	Date	11-May-2023
Microphone Preamp	type: type:		B02 MLxT1L	Serial No. Serial No.	173 042	734 836	Report:	23CA0508 02-04
1995.0	94.0		93.8	93.8	1.0	1.0	0.0	
3981.0	94.0		93.2	93.2	1.0	1.0	0.0	
7943.0	94.0		91.0	91.0	1.5	3.0	0.0	
12590.0	94.0		87.8	87.7	3.0	6.0	-0.1	

Frequency weighting Lin:

Frequency Ref. level		Expected level	Actual level	Tolerar	nce(dB)	Deviation
Hz	dB	dB	dB	+	-	dB
1000.0	94.0	94.0	94.0	0.0	0.0	0.0
31.6	94.0	94.0	94.0	1.5	1.5	0.0
63.1	94.0	94.0	93.9	1.5	1.5	-0.1
125.9	94.0	94.0	94.0	1.0	1.0	0.0
251.2	94.0	94.0	94.0	1.0	1.0	0.0
501.2	94.0	94.0	94.0	1.0	1.0	0.0
1995.0	94.0	94.0	94.0	1.0	1.0	0.0
3981.0	94.0	94.0	94.0	1.0	1.0	0.0
7943.0	94.0	94.0	94.0	1.5	3.0	0.0
12590.0	94.0	94.0	94.0	3.0	6.0	0.0

TIME WEIGHTING FAST TEST

Time weighting F is tested on the reference range with a single sinusoidal burst of duration 200 ms at a frequency 2000 Hz and an amplitude which produces an indication 4 dB below the upper limit of the primary indicator range when the signal is continuous. (Weight A, Maximum hold)

Ref. level	Expected level	Actual level	Tolera	nce(dB)	Deviation
dB	dB	dB	+	-	dB
116.0	115.0	115.0	1.0	1.0	0.0

TIME WEIGHTING SLOW TEST

Time weighting S is tested on the reference range with a single sinusoidal burst of duration 500 ms at a frequency 2000 Hz and an amplitude which produces an indication 4 dB below the upper limit of the primary indicator range when the signal is continuous. (Weight A, Maximum hold)

Ref. level	Expected level	Actual level Tolerar	Tolerance(dB)		Deviation
dB	dB	dB	+	-	dB
116.0	111.9	111.8	1.0	1.0	-0.1

PEAK RESPONSE TEST

The onset time of the peak detector is tested on the reference range by comparing the response to a 100 us rectangular test pulse with the response to a 10 ms reference pulse of the same amplitude. The amplitude of the 10 ms reference pulse is such as to produce an indication 1 dB below the upper limit of the primary indicator range.

Positive polarities:	(Weighting Z. set the generator signal to single, Lzpeak)
	TVCIGITITIO Z. SCI LITE GENERALOI SIGNAL LO SINGIO, ELPOSITI

Ref. level	Response to 10 ms	Response to 100 us	Tolerance	Deviation
dB	dB	dB	+/- dB	dB
119.0	119.0	119.4	2.0	0.4

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香 港 新 界 葵 涌 永 基 路 2 2 - 2 4 號 好 爸 爸 創 科 大 廈 Good Ba Ba Hitech Building, Nos. 22-24 Wing Kei Road, Kwai Chung, New Territories, Hong Kong Tel: (852) 2873 6860 Fax: (852) 2555 7533 E-mail: smec@cigismec.com Website: www.cigismec.com



Test Data for Sound Level Meter

Page 4 of 5

Sound level meter type:

LxT1

Serial No.

0005062

Date 11-May-2023

Report: 23CA0508 02-04

Microphone Preamp type: type: 377B02 PRMLxT1L Serial No. 173734 Serial No. 042836

Negative polarities:

Ref. level	Response to 10 ms	Response to 100 us	Tolerance	Deviation
dB	dB	dB	+/- dB	dB
119.0	119.0	119.4	2.0	0.4

RMS ACCURACY TEST

The RMS detector accuracy is tested on the reference range for a crest factor of 3.

Test frequency:

2000 Hz

Amplitude:

2 dB below the upper limit of the primary indicator range.

Burst repetition frequency:

40 Hz

Tone burst signal:

11 cycles of a sine wave of frequency 2000 Hz.

(Set to INT)

	Ref. Level	Expected level	Tone burst signal	Tolerance	Deviation
Time wighting	dB	dB	indication(dB)	+/- dB	dB
Slow	114.0+6.6	114.0	113.8	0.5	-0.2

TIME WEIGHTING IMPULSE TEST

Time weighting I is tested on the reference range (Set the SLM to LAImax)

Test frequency:

2000 Hz

Amplitude:

The upper limit of the primary indicator range.

Single sinusoidal burst of duration 5 ms:

Ref. Level	Single burs	Single burst indication		Deviation
dB	Expected (dB)	Actual (dB)	+/- dB	dB
120.0	111.2	111.1	2.0	-0.1

Repeated at 100 Hz

Ref. Level	Repeated bu	Repeated burst indication		Deviation	
dB	Expected (dB)	Actual (dB)	+/- dB	dB	
120.0	117.3	117.1	1.0	-0.2	

TIME AVERAGING TEST

This test compares the SLM reading for continuous sine signals with readings obtained from a sine tone burst sequence having the same RMS level. The test level is 30 dB below the upper limit of the linearity range and repeated for Type 1 SLM with 40 dB below the upper limit of the linearity.

Frequency of tone burst:

4000 Hz

Duration of tone burst:

1 ms

Repetition Time	Level of tone burst	Expected Leq	Actual Leq	Tolerance	Deviation	Remarks
msec	dB	dB	dB	+/- dB	dB	
1000	90.0	90.0	89.8	1.0	-0.2	60s integ.
10000	80.0	80.0	79.8	1.0	-0.2	6min. integ

PULSE RANGE AND SOUND EXPOSURE LEVEL TEST

The test tone burst signal is superimposed on a baseline signal corresponding to the lower limit of reference range

Test frequency:

4000 Hz

Integration time:

10 sec

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Test Data for Sound Level Meter

Page 5 of 5

Sound level meter type:

LxT1

Serial No.

0005062

Date 11-May-2023

Microphone Preamp type: type: 377B02 Serial No. PRMLxT1L Serial No.

173734 042836

Report: 23CA0508 02-04

The integrating sound level meter set to Leq:

Duration	Rms level of	Expected	Actual	Tolerance	Deviation
msec	tone burst (dB)	dB	dB	+/- dB	dB
10	90.0	60.0	60.0	1.7	0.0

The integrating sound level meter set to SEL:

Duration	Rms level of	Expected	Actual	Tolerance	Deviation
msec	tone burst (dB)	dB	dB	+/- dB	dB
10.0	90.0	70.0	70.0	1.7	0.0

OVERLOAD INDICATION TEST

For SLM capable of operating in a non-integrating mode.

Test frequency:

2000 Hz

Amplitude:

2 dB below the upper limit of the primary indicator range.

Burst repetition frequency:

10 Hz

Tone burst signal:

11 cycles of a sine wave of frequency 2000 Hz.

Level	Level reduced by	Further reduced	Difference	Tolerance	Deviation
at overload (dB)	1 dB	3 dB	dB	dB	dB
113.3	112.3	109.3	3.0	1.0	0.0

For integrating SLM, with the instrument indicating Leq.

For integrating SLM, with the instrument indicating Leq and set to the reference range. The test signal as following: The test tone burst signal is superimposed on a baseline signal corresponding to the lower limit of reference range

Test frequency:

4000 Hz

Integration time:

10 sec

Single burst duration:

1 msec

Rms level	Level reduced by	Expected level	Actual level	Tolerance	Deviation
at overload (dB)	1 dB	dB	dB	dB	dB
120.0	119.0	79.0	79.0	2.2	0.0

ACOUSTIC TEST

The acoustic test of the complete SLM is tested at the frequency 125 Hz and 8000 Hz using a B&K type 4226 Multifunction Acoustic Calibrator. The test is performed in A weighting.

Frequency	Expected level	Actual level	Tolerar	nce (dB)	Deviation
Hz	dB	Measured (dB)	+	-	dB
1000	94.0	94.0	0.0	0.0	0.0
125	77.9	77.9	1.0	1.0	0.0
8000	92.9	90.8	1.5	3.0	-2.1

-----END-----

Form No: CAWS 152/Issue 1/Rev B/01/02/2007



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CERTIFICATE OF CALIBRATION

Certificate No.:

23CA0317 02-04

Page:

of

2

Item tested

Description:

Acoustical Calibrator (Class 1)

Manufacturer: Type/Model No.: Larson Davis CAL200 13098

Serial/Equipment No.: Adaptors used:

...

Item submitted by

Curstomer:

Lam Environmental Services Limited.

Address of Customer:

77

Request No.:

Date of receipt:

17-Mar-2023

Date of test:

20-Mar-2023

Reference equipment used in the calibration

Description: Lab standard microphone Preamplifier Measuring amplifier Signal generator Digital multi-meter	Model: B&K 4180 B&K 2673 B&K 2610 DS 360 34401A	Serial No. 2412857 2743150 2346941 61227 US36087050	Expiry Date: 23-May-2023 28-Jun-2023 30-Jun-2023 08-Jun-2023 30-May-2023	Traceable to: SCL CEPREI CEPREI CEPREI CEPREI
Digital multi-meter	34401A	US36087050	30-May-2023	CEPREI
Audio analyzer	8903B	GB41300350	06-Jul-2023	CEPREI
Universal counter	53132A	MY40003662	13-Jun-2023	CEPREI

Ambient conditions

Temperature:

22 ± 1 °C 55 ± 10 %

Relative humidity: Air pressure:

1010 ± 5 hPa

Test specifications

- The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B and the lab calibration procedure SMTP004-CA-156.
- 2, The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique.
- The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference pressure of 1013.25 hectoPascals as the maker's information indicates that the instrument is insensitive to pressure changes.

Test results

This is to certify that the sound calibrator conforms to the requirements of annex B of IEC 60942: 1997 for the conditions under which the test was performed. This does not imply that the sound calibrator meets IEC 60942 under any other conditions.

Details of the performed measurements are presented on page 2 of this certificate.

eng Junqi

Approved Signatory:

Date:

21-Mar-2023

Company Chop:

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument. The results apply to the item as received.

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Form No.CARP156-1/Issue 1/Rev.D/01/03/2007



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CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.:

23CA0317 02-04

Page:

0

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1. Measured Sound Pressure Level

The output Sound Pressure Level in the calibrator head was measured at the setting and frequency shown using a calibrated laboratory standard microphone and insert voltage technique. The results are given in below with the estimated uncertainties.

(Output level in dB re 20 µPa)

Frequency	Output Sound Pressure	Measured Output	Estimated Expanded
Shown	Level Setting	Sound Pressure Level	Uncertainty
Hz	dB	dB	dB
1000	94.00	93.82	0.10

2, Sound Pressure Level Stability - Short Term Fluctuations

The Short Term Fluctuations was determined by measuring the maximum and minimum of the fast weighted DC output of the B&K 2610 measuring amplifier over a 20 second time interval as required in the standard. The Short Term Fluctuation was found to be:

At 1000 Hz

STF = 0.011 dB

Estimated expanded uncertainty

0.005 dB

3, Actual Output Frequency

The determination of actual output frequency was made using a B&K 4180 microphone together with a B&K 2673 preamplifier connected to a B&K 2610 measuring amplifier. The AC output of the B&K 2610 was taken to an universal counter which was used to determine the frequency averaged over 20 second of operation as required by the standard. The actual output frequency at 1 KHz was:

At 1000 Hz

Actual Frequency = 999.9 Hz

Estimated expanded uncertainty

0.1 Hz

Coverage factor k = 2.2

4, Total Noise and Distortion

For the Total Noise and Distortion measurement, the unfiltered AC output of the B&K 2610 measuring amplifier was connected to an Agilent Type 8903 B distortion analyser. The TND result at 1 KHz was:

At 1000 Hz

TND = 0.7 %

Estimated expanded uncertainty

0.7 %

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

Calibrated by:

End

anbrated by:

Fung Chi Yip

Doto

Chan Yuk Yiu

Date:

20-Mar-2023

Date: 21-Mar-2023

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.

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Form No.CARP156-2/Issue 1/Rev.C/01/05/2005



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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: DEREK LO WORK ORDER: HK2349134

CLIENT: LAM ENVIRONMENTAL SERVICES LTD

ADDRESS: 19/F, REMEX CENTRE, SUB-BATCH:

42 WONG CHUK HANG ROAD, LABORATORY: HONG KONG

HONG KONG

DATE RECEIVED: 06-Dec-2023

DATE OF ISSUE: 19-Dec-2023

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type: Multifunctional Meter Service Nature: Performance Check

Scope: Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature

Brand Name/ Model No.: [HORIBA]/ [U-5000]

Serial No./ Equipment No.: [NYFVEEMS/S46V23VK]/ [N/A]

Date of Calibration: 18-December-2023

/ V

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganics

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2349134

SUB-BATCH: 0

DATE OF ISSUE: 19-Dec-2023

CLIENT: LAM ENVIRONMENTAL SERVICES LTD

Equipment Type: Brand Name/ Multifunctional Meter

Model No.:

[HORIBA]/[U-5000]

Serial No./

[NYFVEEMS/S46V23VK]/[N/A]

Equipment No.: Date of Calibration:

Date of Calibration

18-December-2023

Date of Next Calibration: 18-March-2024

PARAMETERS:

Dissolved Oxygen

Method Ref: APHA (23rd edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.65	2.51	-0.14
4.83	4.80	-0.03
7.05	7.03	-0.02
	Tolerance Limit (mg/L)	±0.20

pH Value Method Ref: APHA (23rd edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.96	-0.04
7.0	7.01	+0.01
10.0	10.11	+0.11
	Tolerance Limit (pH unit)	±0.20

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2349134

SUB-BATCH: 0

DATE OF ISSUE: 19-Dec-2023

CLIENT: LAM ENVIRONMENTAL SERVICES LTD

Equipment Type:

Multifunctional Meter

Brand Name/ Model No.:

[HORIBA]/[U-5000]

Serial No./

Equipment No.:

 $[{\sf NYFVEEMS/S46V23VK}]/\,[{\sf N/A}]$

Date of Calibration:

18-December-2023

Date of Next Calibration:

18-March-2024

PARAMETERS:

Turbidity Method Ref: APHA (23rd edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.00	
4	4.21	+5.3
40	41.5	+3.8
80	79.2	-1.0
400	393	-1.8
800	790	-1.3
	Tolerance Limit (%)	±10.0

Salinity Method Ref: APHA (23rd edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	
10	10.19	+1.9
20	20.86	+4.3
30	30.38	+1.3
	Tolerance Limit (%)	±10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2349134

SUB-BATCH: 0

DATE OF ISSUE: 19-Dec-2023

CLIENT: LAM ENVIRONMENTAL SERVICES LTD

Equipment Type:

Multifunctional Meter

Brand Name/

[HORIBA]/[U-5000]

Model No.: Serial No./

Equipment No.:

 $[{\sf NYFVEEMS/S46V23VK}]/\,[{\sf N/A}]$

Date of Calibration:

18-December-2023

Date of Next Calibration:

18-March-2024

PARAMETERS:

Temperature Method Ref: Section 6 of International Accreditation New Zealand Technical

Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
12.5	13.97	+1.5
22.0	22.52	+0.5
40.0	40.48	+0.5
	Tolerance Limit (°C)	±2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganics

Appendix 4.2

Impact Monitoring Schedule for Reporting Month and Next Month



CONTRACT NO: SD 15/2022 OUTLYING ISLAND SEWERAGE STAGE 2 - SOUTH LANTAU SEWAGE WORKS -ENVIRONMENTAL TEAM SERVICES (2023 – 2024) Impact Environmental Monitoring Schedule

Feb 2024

Note:

*Mid-tide time during daylight period of the ebb/flood tide is scheduled in consideration of navigation safety and to capture major marine works operation.

Sunday	Mond		Tuesday	Wednesd	ay	Thursday	Frida	ay	Satur	day
28 Jan		29 Jan	30 Jan		31 Jan	01 Fe	0	02 Feb		03 Feb
							Noise Monitor	ina		
							T TOISE WIGHTON	g		
	Mid-Ebb	14:33*		Mid-Ebb	15:40		Mid-Ebb	17:26		
04 Feb	Mid-Flood	9:08 05 Feb	06 Feb	Mid-Flood	9:55 07 Feb		Mid-Flood	10:59 09 Feb		10 Feb
04 Feb		05 Feb	00 Feb		U/ Feb	00 Fe		09 Feb		io reb
				Noise Monitoring						
	Mid-Ebb	18:45*		Mid-Ebb	11:00*		Mid-Ebb	12:25		
	Mid-Ebb Mid-Flood	13:30		Mid-Ebb Mid-Flood	14:30		Mid-Ebb Mid-Flood	7:09		
11 Feb		12 Feb	13 Feb		14 Feb			16 Feb		17 Feb
	WQM suspen	ded due					Noise Monitor	ing		
	to no marine v									
	during CNY H	oliday								
	Mid-Ebb	14:28		Mid-Ebb	15:52		Mid-Ebb	17:55		
	Mid-Flood	8:44		Mid-Flood	9:47		Mid-Flood	10:56		
18 Feb		19 Feb	20 Feb		21 Feb	22 Fe	0	23 Feb		24 Feb
				Noise Monitoring						
	Mid-Ebb	18:45*				Mid-Ebb 11:5	5		Mid-Ebb	12:49
	Mid-Flood	9:32				Mid-Flood 16:0			Mid-Flood	7:23
25 Feb		26 Feb	27 Feb		28 Feb	29 Fe	0	01 Mar		02 Mar
						Noise Monitoring				
						140ise Monitoring				
	Mid-Ebb	13:31		Mid-Ebb	14:29		Mid-Ebb	15:38		
	Mid-Flood	7:52		Mid-Flood	8:32		Mid-Flood	9:16	l .	



CONTRACT NO: SD 15/2022 OUTLYING ISLAND SEWERAGE STAGE 2 – SOUTH LANTAU SEWAGE WORKS – ENVIRONMENTAL TEAM SERVICES (2023 – 2024)

ENVIRONMENTAL TEAM SERVICES (2023 – 2024)
Tentative Impact Marine Water Quality Monitoring Schedule (Rev. 2)
Mar 2024

Note:

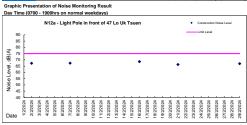
*Mid-tide time during daylight period of the ebb/flood tide is scheduled in consideration of navigation safety and to capture major marine works operation.

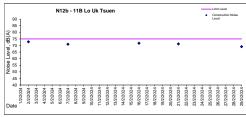
Sunday	Monday	Tu	uesday	Wedn	esday	Thurs	day	Frida	ay	Satur	day
25 Feb	26	Feb	27 Feb		28 Feb		29 Feb		01 Mar		02 Mar
	Mid-Flood	3:31 7:52 Mar		Mid-Ebb Mid-Flood	14:29 8:32 06 Mar		07 Mar	Mid-Ebb Mid-Flood	15:38 9:16 08 Mar		09 Mar
		Mid-Ebb	18:45*			Mid-Ebb	10:40*			Mid-Ebb	12:07
10 Mar		Mid-Flood Mar				Mid-Flood	15:06 14 Mar		15 Mar	Mid-Flood	17:23 16 Mar
		3:15		Mid-Ebb	14:29			Mid-Ebb	16:01		
17 Mar		7:22 5 Mar	19 Mar	Mid-Flood	8:17 20 Mar		21 Mar	Mid-Flood	9:15 22 Mar		23 Mar
		Mid-Ebb	18:45*			Mid-Ebb	11:14*			Mid-Ebb	11:56
24 Mar	25	Mid-Flood Mar	8:52 26 Mar		27 Mar	Mid-Flood	16:04 28 Mar		29 Mar	Mid-Flood	17:31 30 Mar
		2:36 8:44		Mid-Ebb Mid-Flood	13:30 7:22			Mid-Ebb Mid-Flood	14:30 8:01		

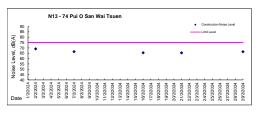
Appendix 4.3

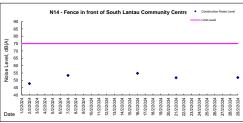
Noise Monitoring Results and Graphical Presentations

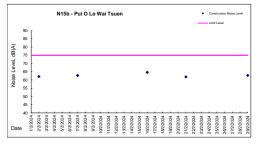
am

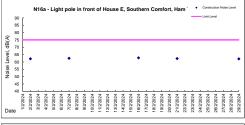


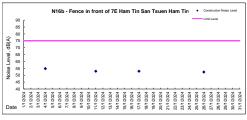


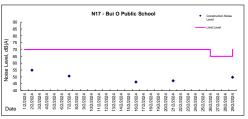














Day Time (0700 - 1900hrs on normal weekdays)

Location: N12a - Light Pole in front of 47 Lo Uk Tsuen

					Measur	ement No	ise Level	Average Noise Level	Baseline Level	Construction Noise Level	Action Level	W : 0	01. 11.
Date	Weather	Wind Speed	Calibration Check	Time	Leq	L10	L90	Leq	Leq	Lea	Leq	Major Construction	Other Noise
			Crieck		Unit	dB(A), (5	-min)		Unit:	dB(A), (30-min)		Noise Source(s)*	Source(s)
				14:15	66.7	70.4	55.6						
				14:20	63.2	66.9	52.3						
2 Feb 2024	Cloudy	0.0	94.1	14:25	65.9	69.6	54.7	67.3	73.3	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
21002021	Cioudy	0.0	01.1	14:30	68.9	72.6	57.6	07.5	75.5	CDASCING ECVE	75	INA	Hanne
				14:35	70.1	73.8	58.4						
				14:40	65.3	69.0	54.9						
				14:15	65.1	68.5	54.5						
				14:20	64.0	67.4	53.5						
7 Feb 2024	Cloudy	0.0	94.1	14:25	66.5	69.8	55.6	67.4	73.3	<baseline level<="" td=""><td>75</td><td>N/A</td><td rowspan="3">Traffic</td></baseline>	75	N/A	Traffic
7 1 60 2024	Oloudy	0.0	01.1	14:30	69.5	72.9	59.1		70.0	ADGOOMIO EOVOI	,,,	IVA	
				14:35	69.5	72.9	59.2						
				14:40	66.9	70.3	57.0						
				14:15	64.2	67.6	53.0						Traffic
				14:20	65.3	68.7	54.2						
16 Feb 2024	Cloudy	0.0	94.1	14:25	67.8	71.2	56.1	68.6	73.3	<baseline level<="" td=""><td>75</td><td rowspan="3">N/A</td></baseline>	75	N/A	
	,			14:30	71.2	74.6	60.6						
				14:35	70.0	73.4	60.1						
				14:40	69.4	72.8	58.9						
				14:15	68.2	72.4	55.4						
				14:20	68.9	73.1	56.0						
21 Feb 2024	Sunny	0.0	94.1	14:25	64.6	68.8	52.6	66.3	73.3	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
				14:30	62.9	66.9	50.0						
				14:35	63.9	67.8	50.2						
				14:40	65.8	69.8	52.5						
				14:15	66.1	69.7	54.6	4					
				14:20	65.4	69.0	54.0	1					
29 Feb 2024	Cloudy	0.0	94.1	14:25	66.2	69.9	54.7	67.0	73.3	<baseline level<="" td=""><td>Level 75 N</td><td>N/A</td><td>Traffic, Dogs</td></baseline>	Level 75 N	N/A	Traffic, Dogs
				14:30	68.1	71.7	56.8	4				1971	, ,
				14:35	68.4	72.0	57.0	4					
	1		1	14:40	66.9	70.5	55.8						

 $^{^{\}star}$ N/A refers to no major construction noise observed during noise monitoring



Day Time (0700 - 1900hrs on normal weekdays)

Location: N12b - 11B Lo Uk Tsuen

			0-55		Measur	ement Noi	ise Level	Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major	Other Noise
Date	Weather	Wind Speed	Calibration Check	Time	Leq	L10	L90	Leq	Leq	Leq	Leq	Construction	
			CHECK		Unit	: dB(A), (5	-min)		Unit:	dB(A), (30-min)		Noise Source(s)*	Source(s)
				13:40	70.8	72.6	53.4						
				13:45	71.4	73.2	54.0						
2 Feb 2024	Cloudy	0.0	94.1	13:50	72.5	74.3	55.1	72.9	76.8	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
2.00202.	Cioday	0.0	0 1.1	13:55	77.9	79.7	55.5	72.0	70.0	ADGOOMIO EOVOI		INA	Trairie
				14:00	68.8	70.6	51.4						
				14:05	64.5	66.3	51.0						
				13:40	69.3	71.3	54.1						
				13:45	70.2	72.2	55.0						Traffic
7 Feb 2024	Cloudy	0.0	94.1	13:50	71.2	73.2	56.0	71.0	76.8	<baseline level<="" td=""><td>75</td><td>N/A</td></baseline>	75	N/A	
	,			13:55	73.8	75.8	56.2					1071	
				14:00	71.5	73.5	56.2						
				14:05	66.9	68.9	53.5						
				13:40	68.9	71.3	54.3						
				13:45	70.2	72.6	55.6						
16 Feb 2024	Cloudy	0.0	94.1	13:50	71.2	73.6	56.6	71.7	76.8	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
				13:55	71.2	73.6	56.6						
				14:00	75.4	77.8	60.8						İ
				14:05	70.1	72.5 78.3	55.5					-	
				13:40 13:45	76.0 69.3	78.3	52.5 50.1						
				13:50	64.1	66.3	48.3						
21 Feb 2024	Sunny	0.0	94.1	13:55	68.1	70.7	50.6	71.2	76.8	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
				14:00	70.4	73.0	51.9						
				14:05	70.4	73.0	53.0						
				13:40	69.5	71.6	52.3						
				13:45	68.6	70.6	52.4				75		
				13:50	68.1	70.1	52.7	1					
29 Feb 2024	Cloudy	0.0	94.1	13:55	71.0	73.1	53.4	69.1	76.8	<baseline level<="" td=""><td>N/A</td><td>Traffic</td></baseline>		N/A	Traffic
				14:00	69.8	71.9	53.7						
	1			14:05	66.4	68.5	52.0						

^{*} N/A refers to no major construction noise observed during noise monitoring



Day Time (0700 - 1900hrs on normal weekdays)

Location: N13 - 74 Pui O San Wai Tsuen

					Measur	ement No	ise Level	Average Noise Level	Baseline Level	Construction Noise Level	Action Level	V	Other
Date	Weather	Wind Speed	Calibration Check	Time	Leq	L10	L90	Leq	Leq	Leq	Leq	Major Construction	Noise
			CHECK		Unit	dB(A), (5	-min)		Unit:	dB(A), (30-min)		Noise Source(s)*	Source(s)
				11:30	70.2	73.0	51.5						
				11:35	71.3	74.1	52.6					N/A	
2 Feb 2024	2 Feb 2024 Cloudy	0.0	94.1	11:40	69.8	72.6	51.1	69.1	73.6	<baseline level<="" td=""><td>75</td><td>Traffic</td></baseline>	75		Traffic
21002021	Oloddy	0.0	0	11:45	66.4	69.2	47.7	00.1		ADGOOMIO EOVOI			Hanne
				11:50	65.8	68.6	47.1						
				11:55	68.7	71.5	50.0						
			11:30	67.6	69.8	52.6							
	7 Feb 2024 Cloudy	0.0		11:35	67.7	67.4	52.7					N/A	Traffic
7 Feb 2024			94.1	11:40	67.7	68.8	52.7	66.5	73.6	<baseline level<="" td=""><td rowspan="2">75</td></baseline>	75		
,	,			11:45	64.7	67.3	51.8					1071	
				11:50	63.5	66.1	50.5						
				11:55	66.0	68.6	51.0						
				11:30	66.6	69.2	53.8						
		0.0		11:35	65.8	68.4	53.0						
16 Feb 2024	Cloudy		94.1	11:40	67.2	69.8	54.4	65.5	73.6	<baseline level<="" td=""><td>75</td><td>N/A</td><td rowspan="3">Traffic</td></baseline>	75	N/A	Traffic
	-			11:45	64.3	66.9	51.5						
				11:50	62.5	65.1	52.7						
				11:55 11:30	64.8 63.9	67.4 69.1	52.0						
				11:35	62.9	68.0	53.3 52.2						Traffic
				11:40	66.0	71.2	54.2						
21 Feb 2024	Sunny	0.0	94.1	11:45	65.7	70.6	57.4	65.3	73.6	<baseline level<="" td=""><td>75</td><td>N/A</td></baseline>	75	N/A	
				11:50	66.4	68.7	57.0						
				11:55	66.1	70.3	57.8						
				11:30	67.1	70.3	52.8						
				11:35	66.9	69.5	52.6						
				11:40	67.7	70.6	53.1	66.4		<baseline level<="" td=""><td></td><td></td><td rowspan="2">Traffic</td></baseline>			Traffic
29 Feb 2024	Cloudy	0.0	94.1	11:45	65.3	68.5	52.1		73.6		75	N/A	
				11:50	64.5	67.1	51.8						
				11:55									

^{*} N/A refers to no major construction noise observed during noise monitoring



Day Time (0700 - 1900hrs on normal weekdays)

Location: N14 - South Lantau Community Centre

			Calibration		Measure	ement Noi	se Level	Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major	Other
Date	Weather	Wind Speed	Chock	Time	Leq	L10	L90	Leq	Leq	Leq	Leq	Construct	Noise
			CHECK		Unit: dB(A), (5-min)				Unit: dB(A), (30-min)				
				10:55	46.8	48.6	42.5						
				11:00	47.8	49.6	43.5						
2 Feb 2024	Cloudy	0.0	94.1	11:05	48.9	50.7	44.6	47.8	62.2	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
21 00 2024	Cloudy	0.0	34.1	11:10	47.3	49.1	43.0	47.0	02.2	CDaseille Level	73	IV/A	Hanne
				11:15	46.2	48.0	41.9						
				11:20	48.9	50.7	44.6						
				10:55	51.9	54.0	45.5						
			94.1	11:00	52.8	54.9	46.4	53.4		<baseline level<="" td=""><td rowspan="4">75</td><td></td><td></td></baseline>	75		
7 Feb 2024	Cloudy	0.0		11:05	53.9	56.0	47.5		62.2			N/A	Traffic
7 Feb 2024	Cloudy	0.0	34.1	11:10	52.9	55.0	46.4		02.2	<daseille level<="" td=""></daseille>			
				11:15	53.0	55.1	46.5						
				11:20	55.0	57.1	48.5						
				10:55	52.8	55.2	44.2	54.8					
				11:00	53.6	56.0	45.0						
16 Feb 2024	Cloudy	0.0	94.1	11:05	54.7	57.1	46.1		62.2	<baseline level<="" td=""><td>75</td><td>27/1</td><td>Traffic</td></baseline>	75	27/1	Traffic
16 Feb 2024	Cloudy	0.0	34.1	11:10	54.2	56.6	45.6		02.2	<daseille level<="" td=""><td>75</td><td>N/A</td><td>Tranic</td></daseille>	75	N/A	Tranic
				11:15	55.5	57.9	46.9						
				11:20	56.8	59.2	48.2						
				10:55	49.5	51.6	43.9						
				11:00	49.0	51.0	43.3						
21 Feb 2024	Sunny	0.0	94.1	11:05	51.5	53.5	45.8	51.8	62.2	<baseline level<="" td=""><td>75</td><td>27/1</td><td>Traffic</td></baseline>	75	27/1	Traffic
21 Feb 2024	Suriny	0.0	34.1	11:10	51.9	54.3	44.0	31.0	02.2	<daseille level<="" td=""><td>75</td><td>N/A</td><td>Tranic</td></daseille>	75	N/A	Tranic
				11:15	52.8	55.2	44.9						
				11:20	54.0	56.3	46.0						
				10:55	50.3	52.3	44.0						
				11:00	50.8	52.9	44.5				75		
29 Feb 2024	Cloudy	0.0	94.1	11:05	52.2	54.3	46.0	51.9	62.2	*Possing Lavel		27/1	T60.
25 1 60 2024	Cloudy	0.0	34.1	11:10	51.6	53.7	44.7	31.9	02.2	<baseline level<="" td=""><td>N/A</td><td>Traffic</td></baseline>		N/A	Traffic
				11:15	51.9	54.0	45.0	1					
				11:20	53.7	55.8	46.8						

 $^{^{\}ast}$ N/A refers to no major construction noise observed during noise monitoring



Day Time (0700 - 1900hrs on normal weekdays)

Location: N15b - Pole in front of 7A Pui O Lo Wai Tsuen

			0-111		Measur	ement Noi	se Level	Average Noise Level	Baseline Level	Construction Noise Level	Limit Level	Major	
Date	Weather	Wind Speed	Calibration Check	Time	Leq	L10	L90	Leq	Leq	Leq	Leq	Construction Noise	Other Noise Source(s)
		CHECK		Unit: dB(A), (5-min)			Unit:	dB(A), (30-min)		Source(s)*			
				15:00	63.2	67.3	59.7						
	2 Feb 2024 Cloudy			15:05	61.5	65.6	58.0						
2 Feb 2024		0.0	94.1	15:10	60.7	64.8	57.2	62.1	70.7	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
			•	15:15	60.9	65.0	57.4	02.1	70.7	4Dabbillio Ebvoi		19/7	Traine
				15:20	62.4	66.5	58.9						
				15:25	63.2	67.3	59.7						
	7 Feb 2024 Cloudy 0.0			15:00	62.6	66.2	58.2			<baseline level<="" td=""><td></td><td rowspan="5">N/A</td><td></td></baseline>		N/A	
				15:05	62.4	65.9	58.0				75		
7 Feb 2024		0.0	94.1	15:10	62.4	65.9	58.0	62.7	70.7				Traffic, Beverage Factor
7 7 00 202 1				15:15	62.4	66.0	58.0						rianic, beverage racio
				15:20	63.2	66.8	58.8						
				15:25	63.2	66.7	58.8						
				15:00	63.2	66.6	57.5	64.7					
				15:05	64.4	67.8	58.7						
16 Feb 2024	Cloudy	0.0	94.1	15:10	65.2	68.6	59.5		70.7	<baseline level<="" td=""><td>75</td><td>N/A</td><td rowspan="4">Traffic</td></baseline>	75	N/A	Traffic
	,			15:15	65.1	68.5	59.4		-			1411	
				15:20	65.3	68.7	59.6						
				15:25	64.4	67.8	58.7						
				15:00	60.3	64.8	55.7						
				15:05	61.7	66.2	57.1						
21 Feb 2024	Sunny	0.0	94.1	15:10	62.1	66.6	57.5	61.9	70.7	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
	,			15:15	61.8	65.9	55.9					1771	Tiuric
				15:20	62.4	66.5	56.4						
				15:25	62.8	66.9	56.9						
				15:00	62.3	66.2	57.8						
				15:05	62.5	66.4	57.9	1					
29 Feb 2024	Cloudy	0.0	94.1	15:10	62.6	66.5	58.0	62.8	70.7	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
				15:15	62.5	66.3	57.7		70.7	Spaceline Level	75	N/A	Tauric .
				15:20	63.3	67.1	58.4	1					İ
				15:25	63.4	67.2	58.5						

^{*} N/A refers to no major construction noise observed during noise monitoring



Day Time (0700 - 1900hrs on normal weekdays)

Location: N16a - Light pole in front of House E, Southern Comfort, Ham Tin

					Measure	ement Noi	se Level	Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major	01 11:
Date	Weather	Wind Speed	Calibration Check	Time	Leq	L10	L90	Leq	Leq	Leq	Leq	Construction	Other Noise
	CHECK	Unit: dB(A), (5-min)		-min)		Unit:	•	Noise Source(s)*	Source(s)				
	2 Feb 2024 Cloudy 0.0			9:45	61.2	63.3	45.6						
				9:50	63.2	65.3	47.6						
2 Feb 2024		0.0	94.1	9:55	65.5	67.6	49.9	62.1	68.1	<baseline level<="" td=""><td>75</td><td>Crane</td><td>Traffic</td></baseline>	75	Crane	Traffic
21002021		0.0	0 1.1	10:00	60.7	62.8	45.1	02.1	00.1	CDASCINC ECVO	75	Crane	Hanne
				10:05	59.8	61.9	44.2						
				10:10	58.7	60.8	43.1						
				9:45	62.3	64.4	49.4				75		
				9:50	62.9	65.0	50.0	62.5					
7 Feb 2024	Cloudy	0.0	94.1	9:55	65.0	67.1	52.1		68.1	<baseline level<="" td=""><td>N/A</td><td rowspan="2">Traffic</td></baseline>		N/A	Traffic
	7.1002021			10:00	62.2	64.3	49.3					IVA	
				10:05	60.2	62.3	47.3						
				10:10	60.5	62.6	47.6						
				9:45	63.2	65.5	51.7	62.8					
				9:50	62.4	64.7	50.9						
16 Feb 2024	Cloudy	0.0	94.1	9:55	64.5	66.8	53.0		68.1	<baseline level<="" td=""><td>75</td><td rowspan="4">N/A</td><td rowspan="4">Traffic</td></baseline>	75	N/A	Traffic
				10:00	63.5	65.8	52.0						
				10:05	60.1	62.4	48.6						
				10:10 9:45	61.8 61.3	64.1 63.9	50.3 44.0						
				9:45	59.5	62.1	42.2						
				9:55	59.5	61.6	41.8						
21 Feb 2024	Sunny	0.0	94.1	10:00	62.9	65.5	48.1	62.3	68.1	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
				10:05	62.7	65.4	48.0						
				10:10	65.3	68.0	50.5						
				9:45	62.0	64.3	47.7						
				9:50	62.0	64.3	47.7						
	01 1			9:55	63.5	65.8	49.2	62.1	00.4	<baseline level<="" td=""><td rowspan="3">75</td><td></td><td rowspan="3">Traffic</td></baseline>	75		Traffic
29 Feb 2024	Cloudy	0.0	94.1	10:00	62.3	64.6	48.6		68.1			N/A	
				10:05	60.7	63.0	47.0						
			10:10	61.6	63.9	47.9							

^{*} N/A refers to no major construction noise observed during noise monitoring



Day Time (0700 - 1900hrs on normal weekdays)

Location: N16b - Fence in front of 7E Ham Tin San Tsuen, Ham Tin

			0.17		Measur	ement No	ise Level	Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major	OIL NI:
Date	Weather	Wind Speed	Calibration Check	Time	Leq	L10	L90	Leq	Leq	Leq	Leg	Construct	Other Noise
			CHECK		Unit: dB(A), (5-min)				Unit:	dB(A), (30-min)		ion Noise	Source(s)
				10:20	53.2	55.1	41.9						
				10:25	56.7	58.6	45.4						
2 Feb 2024	Cloudy	0.0	94.1	10:30	55.4	57.3	44.1	55.9	68.5	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
21002021	Cioday	0.0	0	10:35	55.6	57.5	44.3	55.5	00.0	CDUSCHIIC ECVCI	75	IN/A	Hanne
				10:40	56.1	58.0	44.8						
				10:45	57.3	59.2	45.0						
				10:20	49.7	51.7	43.3					N/A	
		0.0		10:25	50.2	52.2	43.8	51.5		<baseline level<="" td=""><td></td><td rowspan="4">Traffic</td></baseline>			Traffic
7 Feb 2024	Cloudy		94.1	10:30	52.1	54.2	45.6		68.5		75		
7 1 60 2024	Cioday		· · · ·	10:35	51.3	53.3	44.9		00.0	CDASCIIIC ECVCI			
				10:40	51.7	53.7	45.3						
				10:45	53.0	55.0	45.6						
				10:20	46.8	49.1	44.6						
				10:25	44.3	46.6	42.1	48.0					
16 Feb 2024	Cloudy	0.0	94.1	10:30	49.5	52.8	47.3		68.5	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
10 1 60 2024	Cioday			10:35	47.8	50.1	45.6		00.0	CDASCIIIC ECVCI	75	IVA	Tranc
				10:40	48.1	50.4	45.9						
				10:45	49.5	51.8	46.3						
				10:20	52.7	55.0	42.3						
				10:25	53.2	55.5	42.8						ĺ
21 Feb 2024	Sunny	0.0	94.1	10:30	54.7	57.0	43.1	51.6	68.5	<baseline level<="" td=""><td>75</td><td>N/A</td><td>Traffic</td></baseline>	75	N/A	Traffic
211602024	Curiny	0.0	0	10:35	46.6	48.2	41.5	01.0	00.0	CDASCIIIC ECVCI	75	IN/A	Hanne
				10:40	45.4	47.9	41.2						
				10:45	49.5	52.7	42.5						
				10:20	50.6	52.7	43.0						
				10:25	51.1	53.2	43.5						
29 Feb 2024	Cloudy	0.0	94.1	10:30	52.9	54.3	45.0	51.4	68.5	<baseline level<="" td=""><td rowspan="4">75</td><td>NI/A</td><td rowspan="3">Traffic</td></baseline>	75	NI/A	Traffic
20.002024	Cioudy	5.0	0	10:35	50.3	52.3	46.1	01.4	68.5	<baseline level<="" td=""><td rowspan="2">N/A</td></baseline>		N/A	
				10:40	50.3	52.5	44.3	1					
				10:45	52.3	54.7	45.8						

 $^{^{\}star}$ N/A refers to no major construction noise observed during noise monitoring



Day Time (0700 - 1900hrs on normal weekdays)

Location: N17 - Bui O Public School

			0-1111		Measur	ement Noi	se Level	Average Noise Level	Baseline Level	Construction Noise Level	Limit Level	Major	
Date	Weather	Wind Speed	Chock	Time	Leq	L10	L90	Leq	Leq	Leq	Leq	Construction Noise	Other Noise Source(s)
			CHECK		Unit	Unit: dB(A), (5-min)			Unit:	dB(A), (30-min)		Source(s)*	
				13:00	56.8	59.3	51.0						
				13:05	53.2	55.7	47.4						
2 Feb 2024	Cloudy	0.2	94.1	13:10	55.3	57.8	49.5	54.9	62.3	<baseline level<="" td=""><td>70</td><td>N/A</td><td>Traffic</td></baseline>	70	N/A	Traffic
21 00 2021	21 60 2024 Cloudy	0.2	04.1	13:15	57.1	59.6	51.3	34.3		Chaseine Level	70	IVA	Hanne
				13:20	51.3	53.8	45.5						
				13:25	52.2	54.7	46.4						
			13:00	51.9	54.4	48.2							
			13:05	50.5	52.9	46.7							
7 Feb 2024	Cloudy	0.1	94.1	13:10	50.2	52.6	46.4	50.6	62.3	<baseline level<="" td=""><td rowspan="3">70</td><td rowspan="3">N/A</td><td rowspan="3">Traffic</td></baseline>	70	N/A	Traffic
7 1 60 2024	71 60 2024 Gloddy G.1	0.1	04.1	13:15	51.6	54.1	47.9						
				13:20	49.5	51.9	45.7						
				13:25	48.8	51.2	45.0						
				13:00	46.8	49.4	44.7						
				13:05	47.3	49.9	45.2	46.2					
16 Feb 2024	Cloudy	0.0	94.1	13:10	44.6	47.2	42.5		62.3	<baseline level<="" td=""><td>70</td><td>N/A</td><td>Traffic</td></baseline>	70	N/A	Traffic
	,		-	13:15	45.9	48.5	43.8				• •	1071	Traine
				13:20	47.2	49.8	45.1						
				13:25	44.8	47.4	42.7						
				13:00	51.3	54.2	45.6						
				13:05	46.6	49.5	41.0						
21 Feb 2024	Sunny	0.0	94.1	13:10	46.7	49.6	41.1	47.2	62.3	<baseline level<="" td=""><td>70</td><td>N/A</td><td>Traffic</td></baseline>	70	N/A	Traffic
	,			13:15	45.4	48.3	41.9					1 11 1	1141110
				13:20	44.8	47.8	41.4						
				13:25	43.0	46.0	39.6						
				13:00	51.9	54.5	47.6						
				13:05	49.6	52.2	45.3						
29 Feb 2024	Cloudy	0.1	94.1	13:10	49.4	52.0	45.1	49.7	62.3	<baseline level<="" td=""><td>65</td><td>N/A</td><td>Traffic</td></baseline>	65	N/A	Traffic
	,			13:15	50.2	52.8	46.4	-	02.0			IVA	Tranc
				13:20	48.4	51.0	44.6						
				13:25	47.4	50.0	43.6						

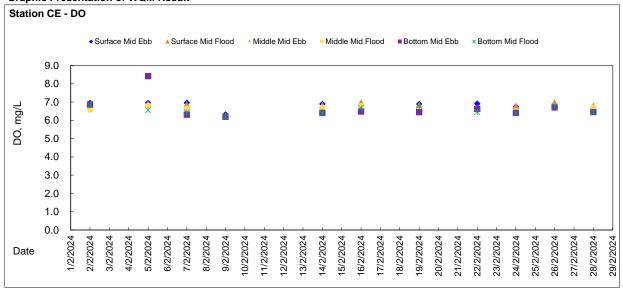
^{*} N/A refers to no major construction noise observed during noise monitoring

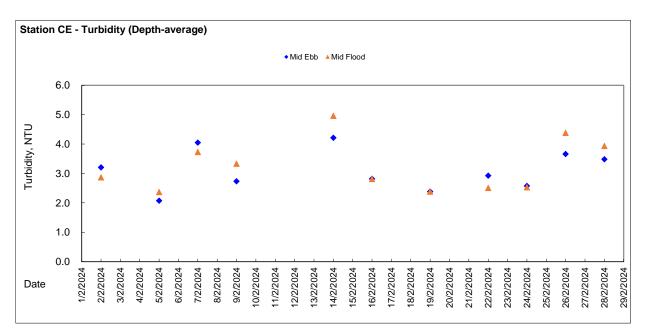
Appendix 4.4

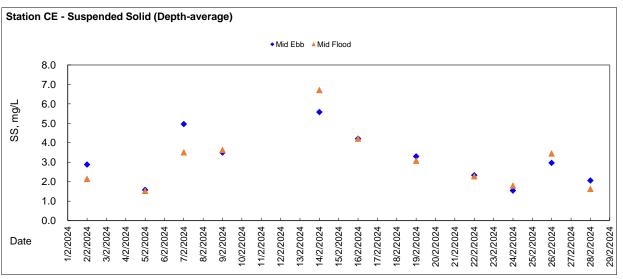
Marine Water Quality Monitoring Results and Graphical Presentations



Graphic Presentation of WQM Result

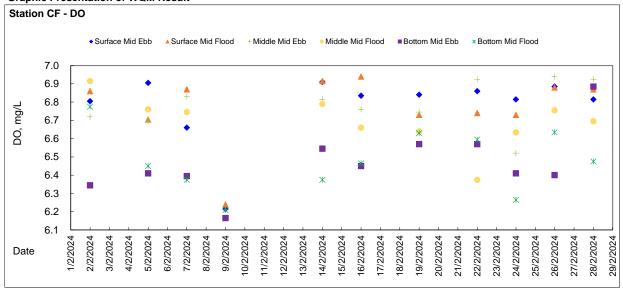


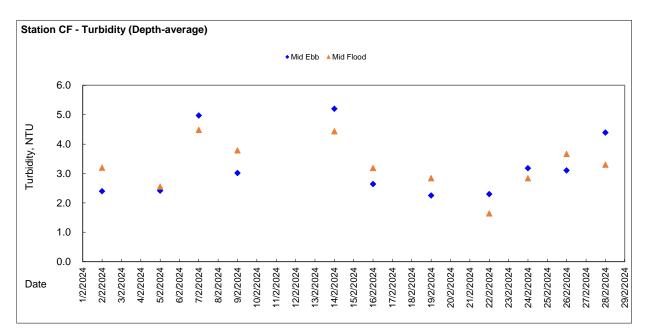


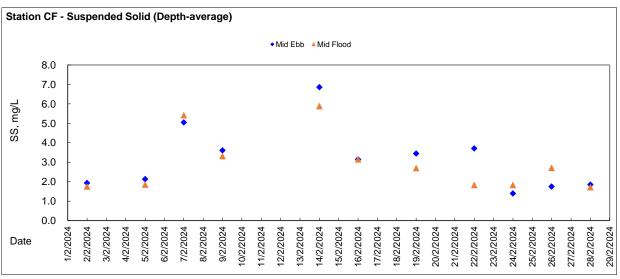




Graphic Presentation of WQM Result

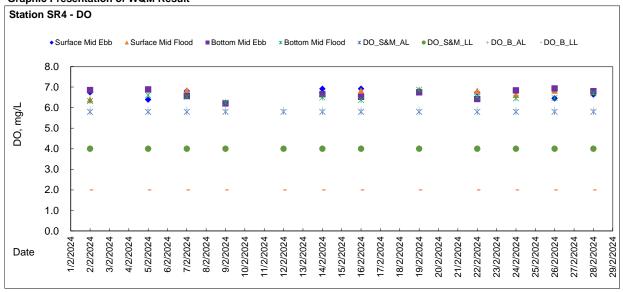


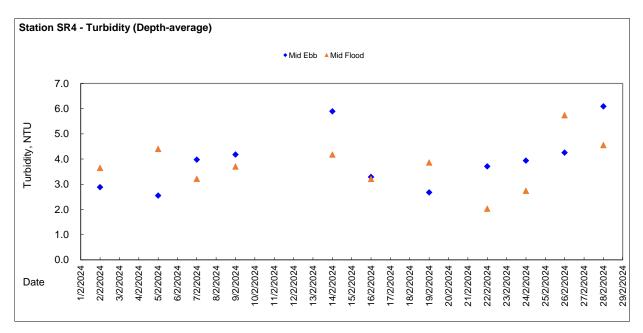


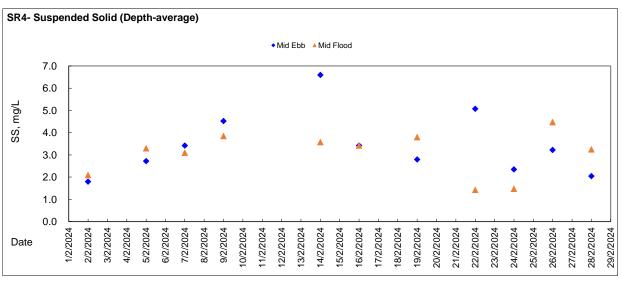




Graphic Presentation of WQM Result

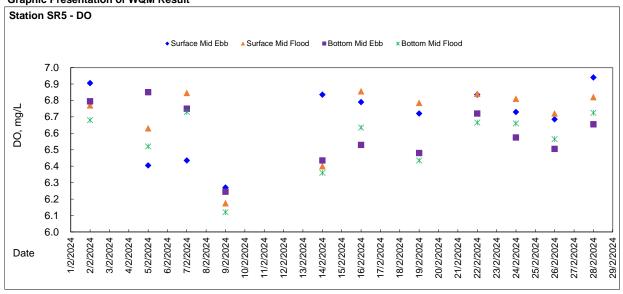


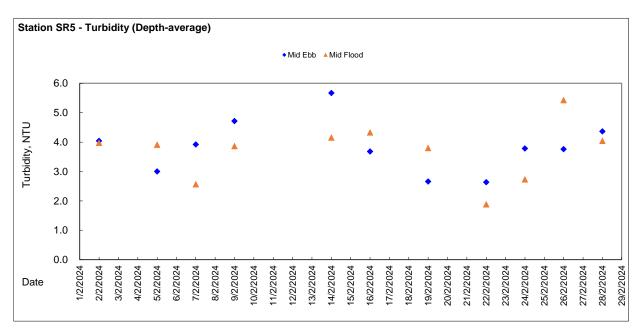


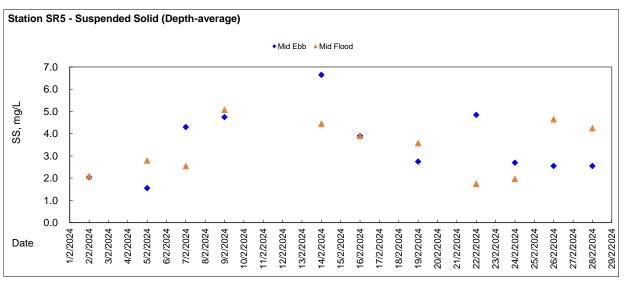




Graphic Presentation of WQM Result







19/2/2024

21/2/2024 22/2/2024 23/2/2024 24/2/2024 27/2/2024

28/2/2024

25/2/2024 26/2/2024



6.2 6.1

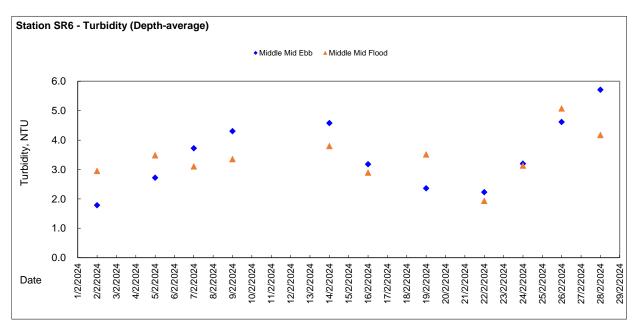
Date

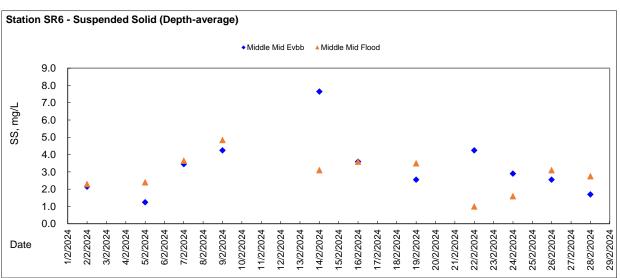
2/2/2024

6/2/2024 7/2/2024 8/2/2024 9/2/2024

> 11/2/2024 12/2/2024 13/2/2024

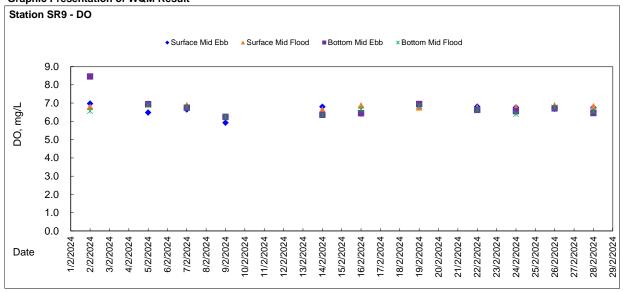
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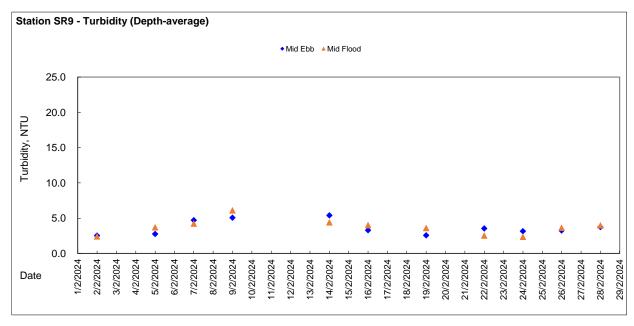


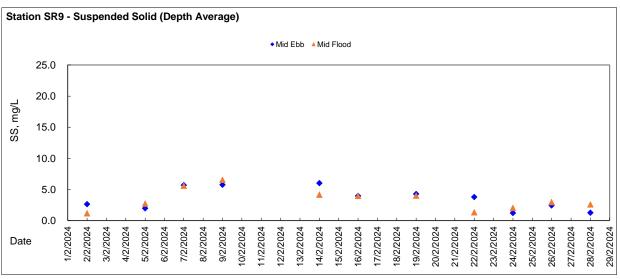




Graphic Presentation of WQM Result

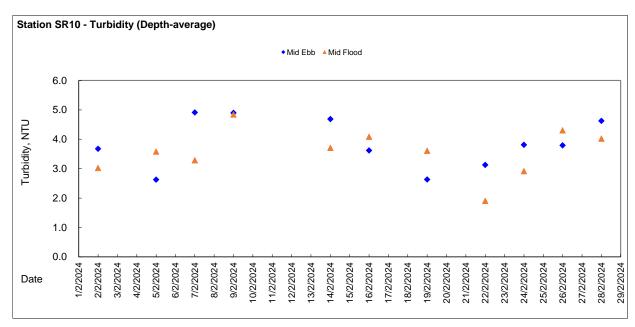


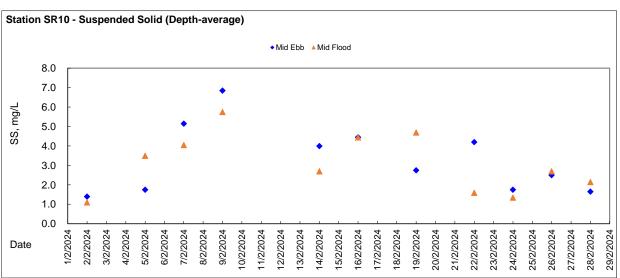






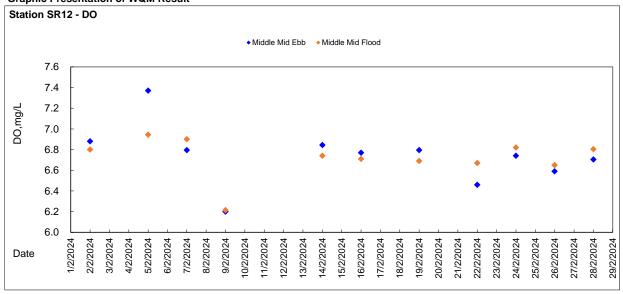
Graphic Presentation of WQM Result Station SR10 - DO ◆ Middle Mid Ebb ▲ Middle Mid Flood 7.0 6.9 6.8 6.7 6.6 6.5 6.4 6.3 6.2 6.1 28/2/2024 5/2/2024 6/2/2024 7/2/2024 8/2/2024 14/2/2024 18/2/2024 2/2/2024 3/2/2024 12/2/2024 13/2/2024 17/2/2024 19/2/2024 20/2/2024 22/2/2024 23/2/2024 25/2/2024 26/2/2024 0/2/2024 11/2/2024 21/2/2024 24/2/2024 Date

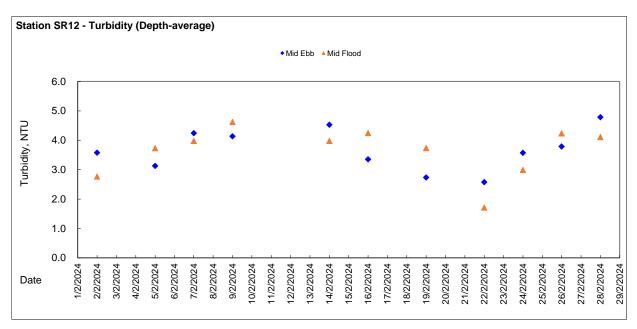


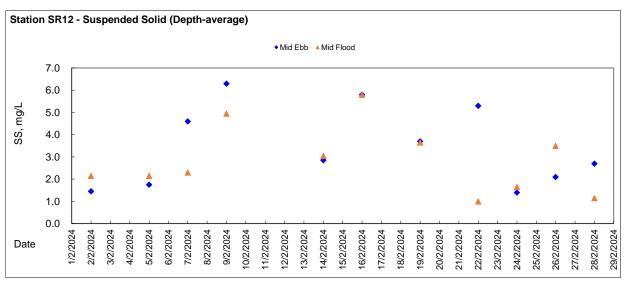




Graphic Presentation of WQM Result

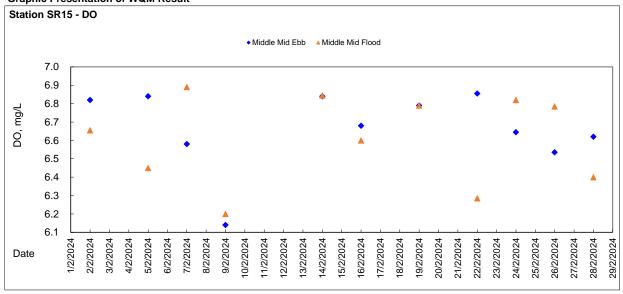


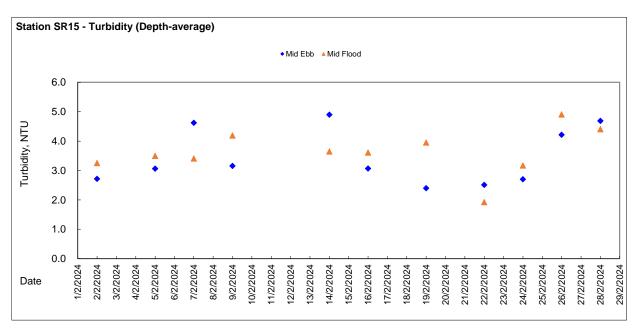


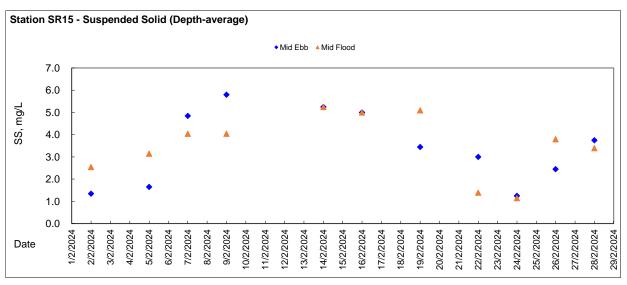




Graphic Presentation of WQM Result







Impact Water Quality Monitoring at Station SR4 (surface) - Ebb Tide

	Sampling		Sampling	Water	Sampling		erature	F	Н	Sali	nity		turation	D	0		bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	٩				p			%	mg			TU		ıg/L
				m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	17:34	3.6	1.0	20.62	20.61	7.52	7.10	32.27	32.16	91.30	91.45	6.79	6.75	2.16	2.27	1.4	1.0
	DDE024	Oloudy	17:35	3.6	1.0	20.59	20.01	6.67	7.10	32.05	02.10	91.60	01.40	6.71	0.70	2.37	2.27	1.5	
	5/2/2024	Cloudy	18:31	3.8	1.0	20.67	20.73	7.82	7.80	31.53	31.42	82.50	83.15	6.36	6.39	2.60	2 67	2.8	3.
	3/2/2024	Cioudy	18:32	3.8	1.0	20.79	20.73	7.77	7.00	31.30	31.42	83.80	03.13	6.42	0.55	2.74	2.07	3.3	0.
	7/2/2024	Cloudy	10:20	3.6	1.0	20.47	20.39	8.24	8.21	32.37	31.92	90.80	89.95	6.87	6.81	3.86	3.94	3.4	3.4
	11212024	Cioudy	10:21	3.6	1.0	20.31	20.35	8.17	0.21	31.46	31.32	89.10	05.50	6.74	0.01	4.02	3.54	3.3	3.
	9/2/2024	Cloudy	12:15	3.8	1.0	18.43	18 50	8.11	8 13	25.62	25.68	83.00	82 90	6.23	6.23	4.17	4.11	4.1	4.3
	3/2/2024	Cioudy	12:16	3.8	1.0	18.57	10.50	8.15	0.13	25.74	23.00	82.80	02.50	6.22	0.23	4.05	4.11	4.4	40.0
	12/2/2024						Mor	nitoring was	cancelled d	ue to no mar	ine works di	uring CNY h	oliday						
	14/2/2024	Sunny	15:41	3.7	1.0	19.45	19.38	7.79	7 77	32.87	32.79	88.50	89.20	6.89	6.92	6.20	6.26	6.2	6.3
SR4	14/2/2024	Suriny	15:42	3.7	1.0	19.31	19.30	7.74	1.77	32.70	32.79	89.90	69.20	6.94	0.92	6.32	0.20	6.4	0.,
SR4	16/2/2024	Cloudy	17:45	3.7	1.0	20.28	20.33	8.25	8 23	31.68	31.77	91.50	90.45	6.97	6.92	3.04	3.02	3.0	2.5
	16/2/2024	Ciouay	17:46	3.7	1.0	20.38	20.33	8.20	8.23	31.85	31.77	89.40	90.45	6.87	6.92	2.99	3.02	2.7	2.1
	19/2/2024	Cloudy	18:37	3.6	1.0	21.15	21.12	8.62	8.60	31.91	31.82	90.10	89.70	6.80	6.78	2.74	2.65	2.6	2.5
	19/2/2024	Cioudy	18:38	3.6	1.0	21.09	21.12	8.57	0.00	31.72	31.02	89.30	69.70	6.76	0.70	2.55	2.03	2.4	2.5
	22/2/2024	Cloudy	11:11	3.4	1.0	21.58	21.56	8.02	8.05	31.99	31.93	91.40	91 10	6.76	6.74	3.73	3.80	4.8	4.3
	22/2/2024	Cioudy	11:12	3.4	1.0	21.54	21.50	8.07	0.00	31.86	31.83	90.80	91.10	6.72	0.74	3.87	3.00	4.5	4.
	24/2/2024	Cloudy	12:40	3.6	1.0	20.61	20.68	8.75	8.70	31.82	31.90	87.10	87.15	6.76	6.77	4.97	4.89	1.7	1.8
	24/2/2024	Cioudy	12:41	3.6	1.0	20.74	20.00	8.65	0.70	31.97	31.90	87.20	07.13	6.78	0.77	4.80	4.09	1.9	1 "
	26/2/2024	Cloudy	13:21	3.6	1.0	20.06	20.03	8.68	8.68	32.67	32 66	82.90	81.70	6.51	6.45	4.46	4.39	3.8	3.6
	20/2/2024	Cidudy	13:22	3.6	1.0	20.00	20.03	8.68	8.68	32.64	32.66	80.50	61.70	6.39	6.45	4.31	4.39	3.4	3.0
	28/2/2024	Cloudy	14:22	3.8	1.0	19.95	19.88	8.70	8.70	32.27	32.33	88.40	87.80	6.69	6.64	6.01	5.94	1.7	1.8
	20/2/2024	Ciduay	14:23	3.8	1.0	19.81	19.88	8.70	8.70	32.38	32.33	87.20	67.80	6.59	6.64	5.87	5.94	1.8	1 13

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Lam Environmental Services Limited

Impact Water Quality Monitoring at Station SR4 (surface) - Flood Tide

Station Reference	Sampling	Weather	Sampling	Water Depth	Sampling Depth	Tempe	erature		Н		inity		turation	D			bidity		SS
Station Reference	Date	vv eatrier	Time	m	m		AVG	Value	AVG	Value	AVG		% AVG	Value	AVG	Value	TU AVG	Value	ng/L AVG
		1	10:12	3.2	1.0	20.47		7.73		33.02		83.40		6.37		3.18		1.9	
	2/2/2024	Cloudy	10:12	3.2	1.0	20.54	20.51	7.73	7.76	32.96	32.99	84.90	84.15	6.42	6.40	3.47	3.33	1.8	
			12:51	3.4	1.0	20.54		7.76		31.97		92.30		6.96		4.52		2.0	
	5/2/2024	Cloudy	12:52	3.4	1.0	20.37	20.46	7.80	7.83	31.89	31.93	90.20	91.25	6.82	6.89	4.48	4.50	3.6	
			10:27	3.9	1.0	20.48		7.97		32.58		89.90		6.76		3.14		3.2	
	7/2/2024	Cloudy	10:28	3.9	1.0	20.39	20.44	8.01	7.99	32.55	32.57	91.20	90.55	6.92	6.84	3.42	3.28	3.7	
	9/2/2024	Cloudy	7:16	3.4	1.0	18.83	18 91	8.12	8 18	26.27	26.31	82.80	83.10	6.24	6.26	3.32	3.26	3.2	3.4
	9/2/2024	Ciouay	7:17	3.4	1.0	18.98	18.91	8.24	8.18	26.34	26.31	83.40	83.10	6.27	6.26	3.19	3.26	3.5	3.4
	12/2/2024						Мо	nitoring was	cancelled d	ue to no mar	ine works di	uring CNY h	oliday						
	14/2/2024	Sunny	9:13	3.1	1.0	19.19	19 21	7.79	7 78	32.99	32.98	86.20	85.60	6.71	6.67	4.25	4 10	4.4	4.4
SR4	14/2/2024	Suriny	9:14	3.1	1.0	19.23	19.21	7.76	1.10	32.96	32.90	85.00	05.00	6.63	0.07	3.95	4.10	4.3	1 4.1
3104	16/2/2024	Cloudy	10:13	3.2	1.0	20.06	20.16	8.22	8.22	32.24	32 28	89.50	88 75	6.85	6.82	3.19	3 17	3.0	2.9
	10/2/2024	Cioudy	10:14	3.2	1.0	20.25	20.10	8.21	0.22	32.31	32.20	88.00	00.73	6.79	0.02	3.14	3.17	2.7	
	19/2/2024	Cloudy	8:54	3.2	1.0	21.25	21.29	8.79	8.86	31.97	32.01	90.50	90.75	6.83	6.85	3.63	3.69	3.6	3.5
		,	8:55	3.2	1.0	21.33		8.93		32.04		91.00		6.86		3.75		3.3	
	22/2/2024	Cloudy	16:03	3.7	1.0	22.18	22.16	8.04	8.03	32.27	32.31	93.20	92.70	6.83	6.82	2.27	2 14	1.1	
		,	16:04	3.7	1.0	22.13		8.01	0.00	32.34	02.01	92.20		6.80	0.00	2.00		1.2	
	24/2/2024	Cloudy	7:16	3.1	1.0	20.47	20.44	9.02	8.96	31.74	31.79	87.10	87.95	6.59	6.63	2.82	2.90	1.3	
			7:17	3.1	1.0	20.40		8.90		31.84		88.80		6.66		2.98		1.4	
	26/2/2024	Cloudy	7:32	3.2	1.0	19.62	19.69	8.82	8.79	32.95	32.94	89.10	88.85	6.99	6.83	5.74	5.72	4.0	
			7:33	3.2	1.0	19.75		8.75		32.93		88.60		6.67		5.69		3.6	
	28/2/2024	Cloudy	7:52 7:53	3.2	1.0	19.56 19.68	19.62	8.67 8.70	8.69	32.40 32.15	32.28	91.50 90.40	90.95	6.78 6.76	6.77	5.36 5.11	5.24	2.8	

Impact Water Quality Monitoring at Station SR4 (Bottom) - Ebb Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sal	inity	DO Sa	turation	D	00	Turi	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	٥	С				pt		%		g/L		TU	m	ng/L
	Date		111110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	17:36	3.6	2.6	20.37	20.27	7.74	7 70	32.24	32.22	93.30	93.15	6.86	6.86	3.57	3.50	2.0	2.2
	2/2/2024	Cloudy	17:37	3.6	2.6	20.16	20.27	7.65	7.70	32.19	32.22	93.00	55.15	6.85	0.00	3.42	3.30	2.3	2.2
	5/2/2024	Cloudy	18:33	3.8	2.8	20.78	20.85	7.79	7.83	32.04	32 16	90.10	90.00	6.89	6.89	2.34	2 43	2.2	2.4
	0/2/2024	Cioday	18:34	3.8	2.8	20.91	20.00	7.86	7.00	32.27	02.10	89.90	50.00	6.88	0.00	2.51	240	2.6	2
	7/2/2024	Cloudy	10:22	3.6	2.6	20.36	20.27	8.20	8 24	31.65	31 64	85.70	85.40	6.59	6.57	4.07	4.01	3.2	3.5
	112/2024	Cloudy	10:23	3.6	2.6	20.18	20.27	8.27	0.24	31.63	31.04	85.10	03.40	6.54	0.57	3.95	4.01	3.8	0.0
	9/2/2024	Cloudy	12:17	3.7	2.7	18.42	18.40	8.20	8.23	25.86	25.82	82.00	82.50	6.18	6.21	4.26	4.25	5.0	
	3/2/2024	Cloudy	12:18	3.8	2.8	18.37	10.40	8.25	0.23	25.77	23.02	83.00	02.30	6.23	0.21	4.24	4.23	4.6	4.0
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	15:43	3.7	2.7	19.37	19.35	7.74	7 74	32.63	32 63	84.80	85.20	6.62	6.66	5.58	5.53	7.0	6.9
SR4	14/2/2024	Julily	15:44	3.7	2.7	19.32	19.55	7.74	7.74	32.63	32.03	85.60	03.20	6.69	0.00	5.47	3.33	6.8	0.0
314	16/2/2024	Cloudy	17:47	3.7	2.7	20.21	20.19	8.27	8.25	31.99	31.97	86.10	85.45	6.55	6.53	3.65	3.56	4.2	4.0
	101212024	Cioday	17:48	3.7	2.7	20.17	20.10	8.22	0.20	31.94	01.07	84.80	00.40	6.50	0.00	3.46	0.00	3.8	
	19/2/2024	Cloudy	18:39	3.4	2.6	21.11	21.01	8.73	8.79	31.37	31.46	88.90	89.55	6.71	6.75	2.64	2.71	3.0	3.1
	13/2/2024	Cloudy	18:40	3.6	2.6	20.90	21.01	8.84	0.75	31.55	31.40	90.20	05.33	6.79	0.73	2.78	2.71	3.2	0.1
	22/2/2024	Cloudy	11:13	3.4	2.4	21.37	21.43	8.05	8.03	31.88	31.90	85.10	85.15	6.42	6.42	3.69	3.61	5.8	
	LEIZIZOE	Gloddy	11:14	3.4	2.4	21.48	21.40	8.00	0.00	31.91	01.00	85.20	00.10	6.42	0.42	3.53	0.01	5.2	
	24/2/2024	Cloudy	12:42	3.6	2.6	20.69	20.67	8.59	8.61	31.72	31.76	91.80	90.95	6.88	6.84	2.94	2 99	3.0	
		2.Judy	12:43	3.6	2.6	20.64	20.07	8.63	0.01	31.80	31.70	90.10	30.00	6.80	0.04	3.04	2.00	2.8	2
	26/2/2024	Cloudy	13:23	3.6	2.6	20.11	20.10	8.73	8.72	32.80	32.77	89.40	90.10	6.92	6.94	4.19	4 13	3.0	2.9
	20/2/2024	Sibudy	13:24	3.6	2.6	20.08	20.10	8.70	0.72	32.74	32.77	90.80	30.10	6.95	0.54	4.06	4.13	2.7	2.5
	28/2/2024	Cloudy	14:24	3.8	2.8	19.84	19.84	8.72	8.72	32.40	32.40	85.70	85.30	6.82	6.80	6.19	6.24	2.4	
		2.Judy	14:25	3.8	2.8	19.84	.0.04	8.71	0.72	32.39	32.40	84.90	30.00	6.78	0.00	6.28	0.24	2.3	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station SR4 (Bottom) - Flood Tide

	Sampling		Sampling	Water	Sampling		erature	F	Н	Sal	inity	DO Sa	turation	D	00	Turl	bidity	ę	SS
Station Reference	Date	Weather	Time	Depth	Depth		С				pt		%		g/L		TU		ng/L
	Duto		11110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	10:14	3.2	2.2	20.39	20.41	7.72	7.77	32.94	32.89	82.80	82.95	6.31	6.32	3.90	3.98	2.5	2.4
	DDIOL4	Oloudy	10:15	3.2	2.2	20.43	20.41	7.81		32.83	02.00	83.10	02.00	6.33	0.02	4.05	0.00	2.2	
	5/2/2024	Cloudy	12:53	3.4	2.4	20.73	20.62	7.86	7.85	32.58	32.54	85.20	85.80	6.63	6.61	4.24	4.31	2.7	
	0/2/2024	Oloudy	12:54	3.4	2.4	20.50	20.02	7.83	7.00	32.49	02.04	86.40	00.00	6.58	0.01	4.37	4.01	3.0	2.0
	7/2/2024	Cloudy	10:29	3.9	2.9	20.37	20.30	8.17	8.12	32.37	32.30	86.80	86.10	6.57	6.54	3.24	3 16	2.9	2.8
	112/2024	Cloudy	10:30	3.9	2.9	20.23	20.30	8.06	0.12	32.23	32.30	85.40	00.10	6.50	0.54	3.07	3.10	2.6	20
	9/2/2024	Cloudy	7:18	3.4	2.4	18.90	18.93	8.20	8.28	26.29	26.38	83.00	83.40	6.23	6.26	4.25	4.15	4.4	4.4
	0/2/2024	Oloddy	7:19	3.4	2.4	18.95	10.55	8.35	0.20	26.46	20.00	83.80	00.40	6.28	0.10	4.04	4.10	4.3	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	9:15	3.1	2.1	19.27	19.22	7.82	7 78	32.85	32.76	82.80	82.55	6.51	6.49	4.27	4.26	2.7	2.8
SR4	14/2/2024	Suriny	9:16	3.1	2.1	19.16	19.22	7.73	1.10	32.67	32.76	82.30	02.55	6.47	0.49	4.25	4.20	2.9	2.0
SR4	16/2/2024	Cloudy	10:15	3.2	2.2	20.18	20.10	8.26	8.24	32.81	32.80	82.80	83.00	6.38	6.37	3.11	3.26	4.2	4.0
	10/2/2024	Cioudy	10:16	3.2	2.2	20.02	20.10	8.21	0.24	32.78	32.00	83.20	03.00	6.36	0.57	3.40	3.20	3.8	4.0
	19/2/2024	Cloudy	8:56	3.2	2.2	21.00	21.09	8.91	8.89	32.00	31.94	91.80	90.95	6.89	6.87	4.17	4.04	4.4	4.2
	19/2/2024	Cidudy	8:57	3.2	2.2	21.17	21.09	8.86	0.09	31.88	31.94	90.10	90.95	6.85	0.07	3.90	4.04	3.9	4.2
	22/2/2024	Cloudy	16:05	3.7	2.7	22.10	22 02	8.09	8.06	32.39	32 48	88.60	88.15	6.55	6.52	1.87	1.93	1.8	1.7
	22/2/2024	Cioudy	16:06	3.7	2.7	21.94	22.02	8.03	0.00	32.56	32.40	87.70	00.13	6.49	0.52	1.98	1.55	1.6	1.7
	24/2/2024	Cloudy	7:18	3.1	2.1	20.55	20.56	8.87	8.90	31.97	31.95	85.90	85.45	6.49	6.45	2.64	2.58	1.7	1.6
	24/2/2024	Cidudy	7:19	3.1	2.1	20.56	20.56	8.93	0.90	31.92	31.95	85.00	65.45	6.41	0.43	2.52	2.30	1.5	1.0
	26/2/2024	Cloudy	7:34	3.2	2.2	19.71	19.77	8.80	8.78	32.73	32.71	80.70	81.65	6.45	6.47	5.63	5.77	5.0	5.2
	20272024	Cidudy	7:35	3.2	2.2	19.82	15.77	8.75	0.70	32.68	32.71	82.60	31.03	6.49	0.47	5.90	3.77	5.3	J.2
	28/2/2024	Cloudy	7:54	3.2	2.2	19.72	19.71	8.74	8.72	32.37	32 37	87.20	87.75	6.68	6.70	3.94	3.88	3.7	3.9
	20/2/2024	Sibudy	7:55	3.2	2.2	19.69	19.71	8.69	0.72	32.36	32.31	88.30	37.73	6.71	0.70	3.81	5.00	4.0	3.5

Impact Water Quality Monitoring at Station SR5 (surface) - Ebb Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sal	inity	DO Sa	turation	D	00	Turi	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	0	С		-	р	pt		%	m	g/L	N'	TU	m	ng/L
	Date		111110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	17:25	4.1	1.0	20.56	20.52	7.63	7.62	33.02	33.03	90.30	90.40	6.90	6.91	4.17	4.11	1.6	1.7
	2/2/2024	Cloudy	17:26	4.1	1.0	20.48	20.32	7.60	7.02	33.04	33.03	90.50	30.40	6.91	0.51	4.05	4.11	1.7	1.3
	5/2/2024	Cloudy	18:23	4.2	1.0	20.73	20.77	7.79	7 79	32.70	32.72	83.50	84.05	6.36	6.41	3.17	3.06	1.5	1.4
	0/2/2024	Oloudy	18:24	4.2	1.0	20.81	20.77	7.78	7.70	32.74	02.72	84.60	04.00	6.45	0.41	2.94	0.00	1.3	
	7/2/2024	Cloudy	10:29	4.0	1.0	20.17	20 10	8.07	8 12	32.09	32 14	85.30	84.75	6.50	6 4 4	4.15	4.21	4.6	4.6
	112/2024	Cloudy	10:30	4.0	1.0	20.03	20.10	8.17	0.12	32.18	32.14	84.20	04.73	6.37	0.44	4.27	4.21	4.5	4.0
	9/2/2024	Cloudy	15:33	4.2	1.0	18.16	18.27	8.23	8.21	26.09	26.16	82.60	82.30	6.36	6.27	4.74	4.64	4.8	
	3/2/2024	Cloudy	12:07	4.2	1.0	18.37	10.27	8.19	0.21	26.23	20.10	82.00	02.30	6.18	0.27	4.54	4.04	5.2	0.0
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	15:33	4.2	1.0	19.43	19.40	7.77	7.80	32.12	32.25	88.30	87.25	6.86	6.84	5.62	5.53	6.0	6.2
SR5	14/2/2024	Suriny	15:34	4.2	1.0	19.36	15.40	7.83	7.00	32.37	32.23	86.20	07.23	6.81	0.04	5.44	3.33	6.3	0.2
SKS	16/2/2024	Cloudy	17:37	4.2	1.0	20.34	20.30	8.26	8.25	32.85	32.80	88.00	89.75	6.73	6.79	3.52	3.49	3.4	3.6
	101212024	Oloudy	17:38	4.2	1.0	20.26	20.00	8.24	0.20	32.74	02.00	91.50	00.70	6.85	0.75	3.46	0.40	3.8	
	19/2/2024	Cloudy	18:29	3.9	1.0	21.03	21.11	8.87	8.85	32.39	32.26	88.90	89.80	6.68	6.72	2.38	2.48	2.2	2.4
	13/2/2024	Cloudy	18:30	4.3	1.0	21.19	21.11	8.83	0.00	32.12	32.20	90.70	08.00	6.76	0.72	2.57	2.40	2.6	24
	22/2/2024	Cloudy	11:20	3.9	1.0	21.62	21 61	7.98	8.03	31.81	31.89	91.90	91.60	6.85	6.84	2.47	2.37	4.0	
	LEIZIZOET	Oloudy	11:21	3.9	1.0	21.59	21.01	8.07	0.00	31.97	01.00	91.30	01.00	6.82	0.04	2.27	2.07	3.6	
	24/2/2024	Cloudy	12:32	4.1	1.0	20.54	20.56	8.60	8.62	31.40	31 40	87.40	87.90	6.70	6.73	3.56	3.50	2.4	2.3
	2-12/2024	Oloudy	12:33	4.1	1.0	20.58	20.00	8.64	0.02	31.39	01.40	88.40	01.50	6.76	0.70	3.43	0.00	2.2	20
	26/2/2024	Cloudy	13:12	4.2	1.0	20.17	20.10	8.76	8.74	32.62	32.70	85.60	85.25	6.60	6.69	3.84	3.72	2.2	2.3
	LULILUL	Oloudy	13:13	4.2	1.0	20.03	20.10	8.72	0.74	32.77	02.70	84.90	00.20	6.77	0.00	3.60	0.72	2.4	
	28/2/2024	Cloudy	14:13	4.3	1.0	-	19.83	8.70	8.71	32.24	32.19	91.00	91.85	6.92	6.94	4.57	4.48	2.8	
	LULILUL	Oloddy	14:14	4.3	1.0	19.83	10.00	8.72	0.71	32.14	02.10	92.70	01.00	6.96	0.04	4.38	4.40	2.8	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station SR5 (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling	Water Depth	Sampling Depth	Tempe	erature C		H -		inity pt		turation %		g/L		bidity TU		SS ng/L
	Date		Time	m	m	Value	AVG	Value	AVG		AVG		AVG		AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	10:21	3.7	1.0	20.27	20.35	7.80	7 75	32.48	32 40	89.10	89.80	6.74	6.77	3.52	3.45	1.6	1.7
	2/2/2024	Cioudy	10:22	3.7	1.0	20.43	20.55	7.70	7.75	32.31	32.40	90.50	05.00	6.80	0.77	3.37	3.43	1.7	1.7
	5/2/2024	Cloudy	12:59	3.8	1.0	20.52	20.57	7.82	7.81	32.56	32.62	88.70	88.20	6.68	6.63	3.89	3.82	2.4	2.5
	3/2/2024	Cioudy	13:00	3.8	1.0	20.62	20.57	7.80	7.01	32.68	32.02	87.70	00.20	6.58	0.03	3.74	3.02	2.6	2.0
	7/2/2024	Cloudy	10:19	4.3	1.0	20.16	20.13	8.10	8 11	32.80	32 74	88.50	90.00	6.71	6.85	2.67	2.57	3.0	2.8
	11212024	Oloudy	10:20	4.3	1.0	20.09	20.10	8.12	0.11	32.68	02.74	91.50	50.00	6.98	0.00	2.46	2.07	2.6	2.0
	9/2/2024	Cloudy	7:29	3.9	1.0	18.45	18.40	8.10	8.10	25.80	25.87	84.10	83.95	6.18	6.18	3.97	4.00	4.4	
	0/2/2024	Oloudy	7:30	3.9	1.0	18.35	10.40	8.09	0.10	25.94	20.07	83.80	00.00	6.17	0.10	4.02	4.00	4.1	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no mar	ine works du	uring CNY h	oliday						
	14/2/2024	Sunny	9:22	3.9	1.0	19.15	19.20	7.74	7 77	32.58	32 60	82.50	81.60	6.48	6.40	4.03	3.96	3.7	3.9
SR5	14/2/2024	Suriny	9:23	3.9	1.0	19.25	15.20	7.80	1.11	32.62	32.00	80.70	01.00	6.32	0.40	3.88	3.50	4.1	3.5
cnc	16/2/2024	Cloudy	10:22	3.8	1.0	19.98	20.08	8.23	8.22	32.40	32.46	89.40	89.75	6.84	6.86	4.37	4.29	3.4	3.6
	10/2/2024	Cioudy	10:23	3.8	1.0	20.17	20.00	8.20	0.22	32.51	32.40	90.10	05.73	6.87	0.00	4.20	4.25	3.8	0.0
	19/2/2024	Cloudy	9:03	3.9	1.0	21.20	21.19	8.79	8.86	31.85	31.80	86.60	89.70	6.58	6.79	3.78	3.87	2.5	
		,	9:04	3.9	1.0	21.18		8.93		31.75		92.80		6.99		3.96		2.8	
	22/2/2024	Cloudy	15:54	4.2	1.0	22.09	22.05	8.00	8.01	32.15	32.21	92.10	92.80	6.81	6.84	1.68	1.83	1.3	
		,	15:55	4.2	1.0	22.01		8.01		32.27	0=10=1	93.50	02.00	6.87	0.0.	1.97	1.00	1.2	
	24/2/2024	Cloudy	7:24	3.8	1.0	20.50	20.62	8.90	8.90	31.87	31.89	89.10	90.00	6.78	6.81	2.85	2.78	1.6	
		,	7:25	3.8	1.0	20.74		8.89	0.00	31.90		90.90	,,,,,,	6.84		2.70		1.8	
	26/2/2024	Cloudy	7:42	3.8	1.0	19.77	19.79	8.70	8.70	32.79	32.84	88.40	88.20	6.67	6.72	5.37	5.40	4.0	
		,	7:43	3.8	1.0	19.80		8.70		32.88		88.00	,,,,,,,	6.77		5.42		4.1	
	28/2/2024	Cloudy	8:02	3.9	1.0	19.58	19.62	8.64	8.61	32.47	32.40	89.30	88.65	6.85	6.82	3.77	3.89	5.0	
			8:03	3.9	1.0	19.66		8.58		32.33		88.00		6.79		4.00		4.5	

Impact Water Quality Monitoring at Station SR5 (Bottom) - Ebb Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sal	inity	DO Sa	turation	D	00	Turi	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	٥	С				pt		%		g/L		TU	m	ıg/L
	Date		111110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	17:28	4.1	3.1	20.32	20.27	7.73	7 69	33.31	33.38	88.60	88.35	6.81	6.80	3.98	3.97	2.3	2.5
	2/2/2024	Cloudy	17:29	4.1	3.1	20.22	20.27	7.65	7.05	33.45	33.30	88.10	00.33	6.78	0.00	3.96	3.87	2.6	20
	5/2/2024	Cloudy	18:26	4.2	3.2	20.97	20.87	7.82	7.86	32.61	32 60	92.50	91.50	6.88	6.85	2.83	2 95	1.8	17
	0/2/2024	Gloddy	18:27	4.2	3.2	20.77	20.01	7.89	7.00	32.59	02.00	90.50	01.00	6.82	0.00	3.06	2.00	1.6	1.7
	7/2/2024	Cloudy	10:32	4.0	3.0	20.28	20.20	8.09	8 14	31.76	31 79	90.50	90.05	6.78	6.75	3.89	3.63	3.4	4.1
	11212024	Cloudy	10:33	4.0	3.0	20.12	20.20	8.18	0.14	31.81	31.75	89.60	50.03	6.72	0.73	3.37	3.03	4.7	4.1
	9/2/2024	Cloudy	12:09	4.2	3.2	18.25	18.22	8.14	8.16	26.17	26.10	83.30	83.15	6.26	6.25	4.83	4.79	4.4	4.5
	8/2/2024	Cloudy	12:10	4.2	3.2	18.18	10.22	8.17	0.10	26.03	20.10	83.00	03.13	6.23	0.23	4.75	4.75	4.6	4.0
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	15:36	4.2	3.2	19.52	19.46	7.74	7 75	32.81	32 75	81.90	82.25	6.39	6.44	5.77	5.81	7.0	7.2
SR5	14/2/2024	Julily	15:37	4.2	3.2	19.40	15.40	7.75	7.75	32.69	32.73	82.60	02.23	6.48	0.44	5.84	3.01	7.3	7.2
SKS	16/2/2024	Cloudy	17:40	4.2	3.2	20.16	20.12	8.23	8.23	32.41	32.36	84.80	84.55	6.55	6.53	3.76	3.87	4.0	4.2
	10/2/2024	Cioday	17:41	4.2	3.3	20.07	20.12	8.22	0.20	32.31	02.00	84.30	04.00	6.51	0.00	3.98	0.01	4.4	
	19/2/2024	Cloudy	18:32	3.9	3.3	20.73	20.86	8.67	8.76	31.67	31.62	84.60	84.20	6.50	6.48	2.68	2.85	3.2	3.1
	18/2/2024	Cloudy	18:33	4.3	3.3	20.98	20.00	8.84	0.70	31.57	31.02	83.80	04.20	6.46	0.40	3.01	2.00	3.0	0.1
	22/2/2024	Cloudy	11:22	3.9	2.9	21.47	21.55	8.07	8.03	31.97	31.99	90.40	89.85	6.75	6.72	2.95	2 90	5.7	5.9
	LLILILUL	Cioday	11:23	3.9	2.9	21.63	21.00	7.98	0.00	32.01	01.00	89.30	00.00	6.69	0.72	2.84	200	6.1	
	24/2/2024	Cloudy	12:35	4.1	3.1	20.57	20.60	8.63	8.60	31.98	31.90	85.10	84.85	6.60	6.58	4.17	4.07	3.0	
	_ ::_ ZOZ-4	2.Judy	12:36	4.1	3.1	20.63	20.00	8.57	0.00	31.81	31.00	84.60	54.00	6.55	0.00	3.97	4.07	3.2	0.1
	26/2/2024	Cloudy	13:15	4.2	3.2	20.18	20.13	8.75	8 75	32.42	32 48	83.40	84.00	6.50	6.51	3.69	3.80	2.6	2.8
	20222024	Sibudy	13:16	4.2	3.2	20.07	20.13	8.75	0.75	32.54	32.40	84.60	34.00	6.51	0.51	3.90	3.00	3.0	2.0
	28/2/2024	Cloudy	14:16	4.3	3.3	19.80	19.81	8.73	8.72	32.56	32.52	82.90	83.20	6.84	6.66	4.12	4.25	2.4	2.3
		2.Judy	14:17	4.3	3.3	19.81	.0.01	8.70	0.72	32.47	32.02	83.50	30.20	6.47	0.00	4.38	4.20	2.2	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station SR5 (Bottom) - Flood Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sa	linity	DO Sa	turation	D	00	Turl	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	٩	С			p	pt		%		g/L	N'	TU	m	ng/L
	Date		1 11110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	10:23	3.7	2.7	20.19	20.27	7.75	7.74	32.91	32.99	87.40	88.10	6.66	6.68	4.62	4.50	2.4	2.6
	DDZ0Z4	Gloudy	10:24	3.7	2.7	20.35	20.27	7.72	7.74	33.07	02.00	88.80	00.10	6.70	0.00	4.38	4.00	2.7	
	5/2/2024	Cloudy	13:01	3.8	2.8	20.53	20.51	7.94	7.89	31.85	31.80	86.70	86.15	6.55	6.52	3.98	4.00	3.2	3.1
	0/2/2024	Gloddy	13:02	3.8	2.8	20.49	20.01	7.83	7.00	31.75	01.00	85.60	00.10	6.49	0.02	4.02	4.00	3.0	0.1
	7/2/2024	Cloudy	10:22	4.3	3.3	20.27	20 19	8.00	8.04	32.17	32 11	88.70	88.45	6.75	6.73	2.52	2.57	2.5	2.3
	1122024	Gloudy	10:23	4.3	3.3	20.10	20.10	8.08	0.04	32.04	02.11	88.20	00.40	6.71	0.70	2.61	2.07	2.1	
	9/2/2024	Cloudy	7:31	3.9	2.9	18.62	18.56	8.09	8.13	25.99	25.98	83.10	82.85	6.14	6.12	3.84	3.73	5.7	5.9
	0/2/2024	Gloddy	7:32	3.9	2.9	18.50	10.00	8.17	0.10	25.97	20.00	82.60	02.00	6.10	0.12	3.62	0.70	6.1	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	9:24	3.9	2.9	19.30	19.21	7.71	7 71	32.47	32 50	81.10	81.40	6.34	6.36	4.39	4.35	4.8	5.0
SR5	14/2/2024	Suriny	9:25	3.9	2.9	19.12	19.21	7.70	7.71	32.53	32.50	81.70	01.40	6.38	0.30	4.31	4.35	5.2	3.0
cnc	16/2/2024	Cloudy	10:24	3.8	2.8	20.09	20.03	8.25	8 24	32.67	32.62	86.10	85.65	6.65	6.64	4.28	4.37	4.0	4.2
	10/2/2024	Cioudy	10:25	3.8	2.8	19.97	20.03	8.23	0.24	32.56	32.02	85.20	05.05	6.62	0.04	4.46	4.57	4.4	1 4.2
	19/2/2024	Cloudy	9:05	3.9	2.9	20.98	21.03	8.91	8.87	32.26	32.17	84.60	84.35	6.44	6 4 4	3.84	3.72	4.3	4.5
	19/2/2024	Cloudy	9:06	3.9	2.9	21.07	21.03	8.83	0.07	32.08	32.17	84.10	04.33	6.43	0.44	3.60	3.12	4.7	
	22/2/2024	Cloudy	15:57	4.2	3.2	21.97	21.92	8.11	8.09	32.17	32 11	89.20	89.45	6.65	6.67	2.08	1 94	2.1	2.3
	22/2/2024	Cioudy	15:58	4.2	3.2	21.86	21.02	8.07	0.05	32.04	32.11	89.70	05.40	6.68	0.07	1.80	1.54	2.4	2.5
	24/2/2024	Cloudy	7:26	3.8	2.8	20.47	20.53	8.87	8.87	32.00	32.02	86.50	86.05	6.69	6.66	2.63	2 69	2.1	2.3
	24/2/2024	Cioudy	7:27	3.8	2.8	20.59	20.55	8.86	0.07	32.03	32.02	85.60	00.00	6.63	0.00	2.74	2.05	2.4	1
	26/2/2024	Cloudy	7:44	3.8	2.8	19.99	19.91	8.74	8.73	33.11	33.20	83.20	83.10	6.60	6.57	5.51	5.46	5.1	5.3
	20/2/2024	Sibudy	7:45	3.8	2.8	19.82	10.01	8.72	0.75	33.28	33.20	83.00	33.10	6.53	0.57	5.41	3.40	5.4	3.3
	28/2/2024	Cloudy	8:04	3.9	2.9	19.60	19.62	8.59	8.60	32.11	32.10	87.30	86.90	6.75	6.73	4.24	4.20	4.0	3.8
	20222024	Sibudy	8:05	3.9	2.9	19.63	15.02	8.60	0.00	32.09	32.10	86.50	30.80	6.70	0.73	4.15	4.20	3.5	3.0

Impact Water Quality Monitoring at Station SR6 (Middle) - Ebb Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sal	inity	DO Sa	turation	D	00	Turi	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	0	С			р	pt		%	m	g/L	N'	TU	m	ng/L
	Date		111110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	17:16	2.7	1.4	20.48	20.53	7.69	7.76	33.59	33.49	86.10	85.85	6.59	6.57	1.87	1.78	2.0	2.2
	DDLOL	Oloudy	17:17	2.7	1.4	20.57	20.00	7.82	7.70	33.38	00.40	85.60	00.00	6.55	0.01	1.69	1.70	2.3	
	5/2/2024	Cloudy	18:14	2.9	1.5	20.82	20.86	7.76	7 78	33.01	33.09	88.00	87 15	6.59	6.53	2.84	272	1.2	1.3
	0/2/2024	Oloudy	18:15	2.9	1.5	20.89	20.00	7.80	7.70	33.16	00.00	86.30	07.10	6.46	0.00	2.60	2.72	1.3	1.0
	7/2/2024	Cloudy	10:39	2.5	1.3	20.21	20.12	8.17	8 10	31.87	31 74	92.20	92 40	6.83	6.86	3.74	3.72	3.3	
	11212024	Oloudy	10:40	2.5	1.3	20.03	20.12	8.02	0.10	31.60	01.74	92.60	02.40	6.89	0.00	3.70	0.72	3.6	
	9/2/2024	Cloudy	11:56	2.8	1.4	18.27	18.18	8.16	8.18	26.10	26.05	88.50	88.05	6.24	6.21	4.31	4.30	4.5	
	0/2/2024	Oloudy	11:57	2.8	1.4	18.08	10.10	8.20	0.10	25.99	20.00	87.60	00.00	6.17	0.11	4.29	4.00	4.0	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	15:24	2.8	1.4	19.60	19.51	7.83	7.80	33.02	33.07	82.10	82.75	6.40	6.44	4.62	4.58	7.4	7.7
SR6	14/2/2024	Suriny	15:25	2.8	1.4	19.41	19.51	7.76	7.00	33.11	33.07	83.40	02.75	6.47	0.44	4.54	4.30	7.9	1.1
	16/2/2024	Cloudy	17:27	2.9	1.5	20.27	20.24	8.24	8.25	32.93	32.95	83.30	83,45	6.46	6.47	3.25	3.18	3.8	3.6
	10/2/2024	Cioudy	17:28	2.9	1.4	20.20	20.24	8.26	0.23	32.97	32.83	83.60	03.43	6.48	0.47	3.11	3.10	3.4	0.0
	19/2/2024	Cloudy	18:19	2.4	1.4	21.05	21.08	8.73	8.77	31.95	31.92	90.50	90.30	6.84	6.83	2.47	2.36	2.7	2.6
	13/2/2024	Cioudy	18:20	2.8	1.4	21.11	21.00	8.80	0.77	31.89	31.82	90.10	50.30	6.82	0.03	2.25	2.30	2.4	2.0
	22/2/2024	Cloudy	11:30	2.4	1.2	21.68	21.62	7.90	7 95	31.69	31.68	91.00	90.75	6.84	6.83	2.34	2.23	4.4	4.3
	22/2/2024	Cioudy	11:31	2.4	1.2	21.56	21.02	7.99	7.55	31.67	31.00	90.50	50.75	6.81	0.03	2.11	2.20	4.1	4.0
	24/2/2024	Cloudy	12:22	2.6	1.3	20.19	20.26	8.43	8.51	31.59	31.54	89.10	88.50	6.73	6.69	3.24	3.20	2.8	2.9
	2-12/2024	Oloudy	12:33	2.6	1.3	20.33	20.20	8.59	0.01	31.49	01.04	87.90	00.00	6.64	0.00	3.15	0.20	3.0	2.0
	26/2/2024	Cloudy	13:03	2.7	1.4	19.99	20.04	8.77	8.78	32.26	32 22	88.60	88.15	6.88	6.89	4.67	4.62	2.7	2.6
	20/2/2024	Sibudy	13:04	2.7	1.4	20.08	20.04	8.79	0.70	32.18	32.22	87.70	30.13	6.90	0.03	4.56	4.02	2.4	
	28/2/2024	Cloudy	14:03	2.8	1.4	19.97	19.94	8.68	8.71	32.39	32.40	84.10	87.05	6.61	6.78	5.87	5.71	1.6	1.7
	20/2/2024	Sibudy	14:04	2.8	1.4	19.90	13.54	8.73	0.71	32.40	32.40	90.00	37.03	6.94	0.70	5.55	3.71	1.8	1

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station SR6 (Middle) - Flood Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sal	linity	DO Sa	turation	D	0	Turl	oidity		SS
Station Reference	Date	Weather	Time	Depth	Depth		С				pt		%		g/L		TU		ıg/L
	Date		11110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	10:31	2.4	1.2	20.41	20.49	7.76	7.69	33.28	33.23	90.50	90.80	6.89	6.91	2.88	2.95	2.2	2.3
	2/2/2024	Cloudy	10:32	2.4	1.2	20.57	20.45	7.61	7.05	33.17	33.23	91.10	30.00	6.93	0.51	3.02	2.50	2.4	2.0
	5/2/2024	Cloudy	13:08	2.5	1.3	20.68	20.60	7.78	7.84	31.79	31.85	88.20	88.65	6.87	6.90	3.56	3.48	2.2	
	0/2/2024	Cioday	13:09	2.5	1.3	20.51	20.00	7.90	7.04	31.90	01.00	89.10	00.00	6.92	0.50	3.40	0.40	2.6	
	7/2/2024	Cloudy	14:10	2.7	1.4	20.21	20.20	8.25	8 18	32.37	32 30	86.40	85.65	6.58	6.52	3.21	3 11	3.5	3.7
	11212024	Cloudy	14:11	2.7	1.4	20.18	20.20	8.10	0.10	32.23	32.30	84.90	03.03	6.45	0.32	3.00	5.	3.8	0.1
	9/2/2024	Cloudy	7:25	2.5	1.3	18.30	18.30	8.17	8.23	25.74	25.68	83.50	83.95	6.19	6.24	3.42	3.35	5.0	4.9
	8/2/2024	Cloudy	7:26	2.5	1.3	18.29	10.50	8.29	0.23	25.61	23.00	84.40	03.83	6.28	0.24	3.28	3.50	4.7	4.0
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	9:32	2.4	1.2	19.21	19 19	7.76	7 75	32.90	32 91	82.30	83.30	6.51	6.57	3.84	3.80	2.9	3.1
SR6	14/2/2024	Sunny	9:33	2.4	1.2	19.17	19.19	7.74	7.75	32.92	32.91	84.30	83.30	6.63	6.57	3.75	3.80	3.3	3.1
	16/2/2024	Cloudy	10:32	2.6	1.3	19.99	20.06	8.23	8.21	32.45	32.40	81.80	82.65	6.33	6.37	2.98	2.89	3.8	3.6
	16/2/2024	Cloudy	10:33	2.6	1.3	20.12	20.06	8.19	0.21	32.35	32.40	83.50	02.00	6.40	0.37	2.80	2.09	3.4	3.0
	19/2/2024	Cloudy	9:12	2.6	1.3	21.30	21.21	8.85	8.88	31.79	31.88	91.60	91.20	6.85	6.82	3.40	3.51	3.4	3.5
	19/2/2024	Cloudy	9:13	2.6	1.3	21.12	21.21	8.90	0.00	31.96	31.00	90.80	91.20	6.79	0.02	3.62	3.51	3.6	3.3
	22/2/2024	Cloudy	15:45	2.5	1.3	22.13	22 10	8.10	8 10	31.79	31.89	82.90	83.50	6.24	6.28	2.00	1.93	<1.0	1.0
	22/2/2024	Cloudy	15:46	2.5	1.3	22.06	22.10	8.09	0.10	31.99	31.09	84.10	63.50	6.31	0.20	1.86	1.93	<1.0	1.0
	24/2/2024	Cloudy	7:34	2.4	1.2	20.19	20.28	8.68	8.74	31.80	31.80	90.40	91.00	6.79	6.81	3.26	3.13	1.5	1.6
	24/2/2024	Cloudy	7:35	2.4	1.2	20.36	20.20	8.79	0.74	31.79	31.00	91.60	91.00	6.82	0.01	3.00	3.13	1.7	1 1.0
	26/2/2024	Cloudy	7:51	2.2	1.1	19.73	19.67	8.79	8.78	32.98	32.97	90.30	88.25	6.95	6.80	5.01	5.08	3.0	3.1
	20/2/2024	Cidudy	7:52	2.2	1.1	19.60	19.67	8.76	0.70	32.95	32.97	86.20	00.23	6.65	0.00	5.14	5.06	3.2	3.1
	28/2/2024	Cloudy	8:11	2.4	1.2	19.64	19.61	8.64	8.68	32.37	32.32	93.80	93.20	6.82	6.81	4.27	4 17	2.9	2.8
	20/2/2024	Cioudy	8:12	2.4	1.2	19.58	13.01	8.71	0.00	32.27	32.32	92.60	55.20	6.79	0.01	4.07	4.17	2.6	2.0

Impact Water Quality Monitoring at Station SR9 (surface) - Ebb Tide

Station Reference	Sampling	Weather	Sampling	Water Depth	Sampling Depth		erature C	ı	Н	Sal	nity		turation %	D m	00		bidity TU		SS ng/L
Otation (Coronoc	Date	W duinds	Time	m	m	Value	AVG	Value	AVG		AVG		AVG		AVG	Value	AVG	Value	AVG
	01010004	01. 1	16:59	4.1	1.0	20.19	20.29	7.77	7 73	32.83	32.80	93.40	93.60	6.96	6.98	1.98	2.10	2.2	2.
	2/2/2024	Cloudy	17:00	4.1	1.0	20.38	20.29	7.68	7.73	32.76	32.80	93.80	93.60	6.99	6.98	2.21	2.10	2.4	
	5/2/2024	Cloudy	17:59	4.4	1.0	20.67	20.61	7.95	7.89	30.17	30.09	84.30	85.55	6.40	6.48	2.53	2.66	2.3	2.
	5/2/2024	Ciouay	18:00	4.4	1.0	20.55	20.61	7.82	7.89	30.00	30.09	86.80	85.55	6.56	6.48	2.78	2.66	2.1	- 2.
	7/2/2024	Cloudy	10:54	3.9	1.0	20.15	20.12	7.91	8.04	31.46	31.51	89.70	89.90	6.64	6.65	4.50	4.55	4.9	5.
	112/2024	Cioudy	10:55	3.9	1.0	20.09	20.12	8.17	0.04	31.56	31.31	90.10	05.50	6.66	0.03	4.59	4.55	5.8	
	9/2/2024	Cloudy	11:40	4.3	1.0	18.53	18 47	8.14	8.12	25.97	25.92	81.90	81.15	5.96	5.93	4.95	5.03	5.7	5.
	0/E/E0E4	Oloudy	11:41	4.3	1.0	18.41	10.47	8.10	0.12	25.87	20.02	80.40	01.10	5.89	0.00	5.10	0.00	5.2	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no mar	ine works du	uring CNY h	oliday						
	14/2/2024	Sunny	15:08	4.2	1.0	19.30	19 29	7.80	7 79	32.74	32 67	87.30	88.05	6.74	6.80	5.63	5.59	4.9	4.
SR9	14/2/2024	Suriny	15:09	4.2	1.0	19.28	10.20	7.77	7.75	32.60	32.07	88.80	00.00	6.86	0.00	5.54	3.35	4.6	1 ~
Sito	16/2/2024	Cloudy	17:12	4.4	1.0	20.25	20.13	8.36	8.31	32.36	32 32	82.90	83.30	6.40	6.42	3.56	3 49	4.8	4.
	10/2/2024	Oloudy	17:13	4.4	1.0	20.01	20.10	8.25	0.01	32.27	02.02	83.70	00.00	6.44	0.42	3.42	0.40	4.5	-
	19/2/2024	Cloudy	18:04	4.0	1.0	21.25	21.13	8.89	8.80	31.25	31.21	90.40	90.85	6.81	6.84	2.65	2.53	3.8	4.0
	TOTETEGET	Oloudy	18:05	4.4	1.0	21.00	21.10	8.70	0.00	31.16	01.21	91.30	50.00	6.87	0.04	2.40	2.00	4.1	
	22/2/2024	Cloudy	11:46	4.0	1.0	22.11	22.08	8.10	8.09	32.07	32.03	90.30	90.00	6.83	6.81	3.35	3.40	3.7	
		,	11:47	4.0	1.0	22.04		8.07		31.99		89.70		6.79		3.45		3.4	
	24/2/2024	Cloudy	12:06	4.2	1.0	20.47	20.55	8.67	8.63	32.16	32.18	91.10	90.70	6.79	6.76	3.06	3.12	1.4	
		,	12:07	4.2	1.0	20.62		8.58		32.20		90.30	,,,,,,	6.73		3.17		1.5	
	26/2/2024	Cloudy	12:48	4.2	1.0	20.27	20.22	8.70	8.69	32.17	32.13	83.10	86.25	6.53	6.69	3.26	3.19	2.6	
			12:49	4.2	1.0	20.16		8.68		32.08		89.40		6.84		3.12		2.7	
	28/2/2024	Cloudy	13:47	4.3	1.0	20.04	20.02	8.56		32.29	32.30	89.30	89.90	6.74	6.76	3.49	3.35	1.6	
			13:48	4.3	1.0	19.99		8.60		32.30		90.50		6.78		3.21		1.5	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Lam Environmental Services Limited

Impact Water Quality Monitoring at Station SR9 (surface) - Flood Tide

Station Reference	Sampling	Weather	Sampling	Water	Sampling Depth	Tempe	erature	F	H	Sal	inity		turation %	D m	0		bidity TU		ia/L
	Date		Time	m	m		AVG	Value	AVG		AVG		AVG		AVG		AVG		AVG
	2/2/2024	Cloudy	10:46	3.7	1.0	20.57	20.50	7.72	7.71	32.68	32.70	91.10	90.75	6.83	6.80	2.71	2.62	1.2	1.3
	2/2/2024	Cloudy	10:47	3.7	1.0	20.42	20.50	7.69	7.71	32.71	32.70	90.40	90.75	6.76	6.80	2.53	2.62	1.3	1.3
	5/2/2024	Cloudy	13:23	4.0	1.0	20.79	20.78	7.82	7.76	32.57	32.50	93.20	93.55	6.94	6.97	3.67	3.61	3.3	3.2
	5/2/2024	Cidudy	13:24	4.0	1.0	20.77	20.76	7.70	1.76	32.42	32.50	93.90	93.55	6.99	0.97	3.54	3.01	3.1	3.2
	7/2/2024	Cloudy	13:54	4.3	1.0	20.35	20.35	7.95	7.98	31.87	31.89	91.00	91.05	6.88	6.88	4.02	4 10	4.4	4.3
	17272024	Oloudy	13:55	4.3	1.0	20.34	20.00	8.00	7.50	31.90	01.00	91.10	01.00	6.88	0.00	4.18	4.10	4.2	4.0
	9/2/2024	Cloudy	7:51	3.9	1.0	18.36	18.39	8.08	8.09	26.02	26.00	82.90	83.85	6.20	6.24	5.62	5.58	6.1	6.3
		,	7:52	3.9	1.0	18.42		8.10		25.97		84.80		6.27		5.53		6.4	0.00
	12/2/2024						Mo	nitoring was	cancelled d	ue to no mar	ine works du	iring CNY h	oliday						
	14/2/2024	Sunny	9:48	3.9	1.0	19.42	19.38	7.81	7 78	33.12	33 10	85.60	85.05	6.68	6.64	4.27	4.22	4.7	4.9
SR9	14/2/2024	Suriny	9:49	3.9	1.0	19.34	19.30	7.75	7.70	33.07	33.10	84.50	03.03	6.60	0.04	4.17	4.22	5.1	4.0
Orto	16/2/2024	Cloudy	10:48	4.0	1.0	20.07	20.02	8.29	8.27	32.52	32.49	90.10	89.40	6.90	6.87	4.25	4.13	4.8	
	10/2/2024	Oloudy	10:49	4.0	1.0	19.96	20.02	8.25	0.27	32.46	02.40	88.70	00.40	6.83	0.01	4.00	4.10	4.5	
	19/2/2024	Cloudy	9:28	4.0	1.0	21.47	21.42	8.67	8.72	31.56	31.51	90.70	90.40	6.77	6.76	3.45	3.38	4.3	
		,	9:29	4.0	1.0	21.36		8.76		31.46		90.10		6.75		3.30	0.00	4.6	
	22/2/2024	Cloudy	15:30	4.2	1.0	21.64	21.72	8.08	8.07	31.69	31.78	92.80	93.35	6.73	6.76	2.84	2.73	<1.0	1.0
			15:31	4.2	1.0	21.79		8.05		31.86		93.90		6.79		2.61		<1.0	
	24/2/2024	Cloudy	7:50	3.8	1.0	20.40	20.42	8.57	8.59	31.90	31.89	87.90	88.05	6.76	6.77	2.49	2.47	2.4	2.3
			7:51	3.8	1.0	20.43		8.61		31.87		88.20		6.78		2.45		2.2	
	26/2/2024	Cloudy	8:07	3.9	1.0	20.11	20.08	8.69	8.71	32.38	32.48	88.00	90.35	6.77	6.88	3.57	3.52	3.4	3.4
			8:08	3.9	1.0	20.05		8.72		32.58		92.70		6.98		3.47		3.3	
	28/2/2024	Cloudy	8:27	3.9	1.0	19.92	19.87	8.64	8.67	32.64	32.59	89.00	89.30	6.81	6.83	3.81	3.74	3.2	
	l		8:28	3.9	1.0	19.82		8.70		32.53		89.60		6.84		3.67		2.9	1

Impact Water Quality Monitoring at Station SR9 (Bottom) - Ebb Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sal	inity	DO Sa	turation	D	00	Turi	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	0	С				pt		%	m			TU	m	ng/L
	Date		111110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	17:02	4.1	3.1	20.27	20.30	7.67	7.74	32.24	32.29	93.30	93.45	6.95	8.46	2.86	2.95	3.2	3.0
	2/2/2024	Cloudy	17:03	4.1	3.1	20.32	20.30	7.80	7.74	32.34	32.25	93.60	55.45	9.97	0.40	3.03	2.50	2.8	0.0
	5/2/2024	Cloudy	18:02	4.4	3.4	20.48	20.50	7.80	7 79	32.21	32 29	91.80	91.30	6.96	6.94	2.94	2.87	1.8	1.8
	3/2/2024	Cioudy	18:03	4.4	3.4	20.52	20.50	7.77	7.75	32.37	32.25	90.80	31.30	6.92	0.54	2.80	2.07	1.7	1.0
	7/2/2024	Cloudy	10:56	3.9	2.9	20.27	20 19	8.25	8 13	32.51	32 65	92.00	92.15	6.74	6.75	4.98	4 89	6.1	6.1
	1/2/2024	Cloudy	10:57	3.9	2.9	20.10	20.19	8.01	0.13	32.78	32.03	92.30	92.15	6.75	6.75	4.80	4.09	6.0	0.1
	9/2/2024	Cloudy	11:43	4.3	3.3	18.24	18.31	8.12	8.11	26.02	26.10	82.60	82.95	6.24	6.25	5.17	5.10	5.9	
	3/2/2024	Cioudy	11:44	4.3	3.3	18.37	10.51	8.10	0.11	26.17	20.10	83.30	02.50	6.26	0.23	5.03	3.10	6.3	0.1
	12/2/2024						Мо	nitoring was	cancelled d	ue to no mar	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	15:11	4.2	3.2	19.27	19.32	7.76	7 78	32.45	32 48	81.40	81.05	6.39	6.36	5.18	5.23	7.5	7.3
SR9	14/2/2024	Suriny	15:12	4.2	3.2	19.37	19.32	7.79	1.10	32.51	32.40	80.70	61.05	6.32	0.30	5.27	5.23	7.1	7.5
389	16/2/2024	Cloudy	17:15	4.4	3.4	20.07	20.03	8.25	8.25	31.95	32.01	81.50	82.20	6.42	6.45	3.01	3.09	3.4	3.3
	10/2/2024	Cloudy	17:16	4.4	3.4	19.98	20.03	8.24	0.23	32.06	32.01	82.90	02.20	6.47	0.43	3.17	3.09	3.2	3.3
	19/2/2024	Cloudy	18:07	4.0	3.4	20.90	21.04	8.69	8.76	31.17	31.27	93.30	93.25	6.95	6.95	2.53	2.61	4.6	4.6
	19/2/2024	Cioudy	18:08	4.4	3.4	21.17	21.04	8.82	0.70	31.36	31.21	93.20	93.23	6.95	6.95	2.69	2.01	4.6	4.0
	22/2/2024	Cloudy	11:49	4.0	3.0	21.97	21.98	8.05	8.07	31.97	31.96	85.10	84.50	6.66	6.63	3.74	3.68	4.2	4.1
	22/2/2024	Cioudy	11:50	4.0	3.0	21.99	21.50	8.09	0.07	31.95	31.50	83.90	04.30	6.60	0.03	3.61	3.00	3.9	
	24/2/2024	Cloudy	12:09	4.2	3.2	20.46	20.52	8.61	8.67	31.57	31.62	86.30	86.00	6.58	6.56	3.25	3 17	<1.0	1.0
	24/2/2024	Cioudy	12:10	4.2	3.2	20.57	20.52	8.72	0.07	31.67	31.02	85.70	00.00	6.54	0.50	3.09	3.17	<1.0	1.0
	26/2/2024	Cloudy	12:51	4.2	3.2	20.19	20.21	8.70	8.72	32.16	32.21	80.70	84.60	6.45	6.71	3.24	3.31	2.4	2.3
	20/2/2024	Cidudy	12:52	4.2	3.2	20.22	20.21	8.73	0.72	32.26	32.21	88.50	34.00	6.97	0./1	3.37	3.31	2.1	2.3
	28/2/2024	Cloudy	13:50	4.3	3.3	19.97	20.01	8.59	8.62	32.12	32.11	83.90	83.50	6.48	6.46	4.17	4.13	<1	1.0
	20/2/2024	Cloudy	13:51	4.3	3.3	20.05	20.01	8.64	0.02	32.10	32.11	83.10	03.30	6.43	0.40	4.09	4.13	<1	1.0

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station SR9 (Bottom) - Flood Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sa	linity	DO Sa	turation	D	00	Turl	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	0	С			p	pt		%		g/L	N'	TU	m	ng/L
	Date		11110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	10:48	3.7	2.7	20.34	20.39	7.67	7.68	32.51	32.58	87.50	87.80	6.60	6.58	2.06	2.21	1.2	1.1
	DDZ0Z4	Gloudy	10:49	3.7	2.7	20.43	20.00	7.69	7.00	32.64	02.00	88.10	07.00	6.55	0.00	2.36	2.21	1.0	
	5/2/2024	Cloudy	13:26	4.0	3.0	20.85	20.79	7.78	7 77	32.58	32 63	92.90	93.00	6.88	6.89	3.79	3.81	2.1	2.3
	0/2/2024	Gloddy	13:27	4.0	3.0	20.72	20.70	7.76		32.68	02.00	93.10	55.50	6.90	0.00	3.83	0.01	2.4	2.0
	7/2/2024	Cloudy	13:57	4.3	3.3	20.27	20.28	8.10	8.07	31.23	31.30	89.30	89.85	6.72	6.76	4.27	4.35	7.2	6.9
	1122024	Gloudy	13:58	4.3	3.3	20.29	20.20	8.03	0.07	31.37	01.00	90.40	00.00	6.80	0.70	4.42	4.00	6.6	
	9/2/2024	Cloudy	7:53	3.9	2.9	18.30	18.34	8.15	8.14	26.17	26.10	84.50	84.65	6.23	6.25	6.67	6.62	7.1	6.9
	0/2/2024	Gloddy	7:54	3.9	2.9	18.38	10.04	8.12	0.14	26.02	20.10	84.80	04.00	6.27	0.10	6.56	0.02	6.6	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works di	uring CNY h	oliday						
	14/2/2024	Sunny	9:50	3.9	2.9	19.29	19.31	7.76	7 73	32.86	32.91	80.60	80.85	6.33	6.35	4.54	4.58	3.3	3.5
SR9	14/2/2024	Suriny	9:51	3.9	2.9	19.32	19.51	7.70	1.13	32.95	32.91	81.10	00.00	6.36	6.33	4.62	4.30	3.6	3.3
SK9	16/2/2024	Cloudy	10:51	4.0	3.0	19.98	19.98	8.23	8.24	32.30	32.36	86.80	86.50	6.66	6.66	4.03	3.92	3.4	3.3
	10/2/2024	Cioudy	10:52	4.0	3.0	19.97	15.50	8.24	0.24	32.41	32.30	86.20	00.00	6.65	0.00	3.80	3.52	3.2	3.3
	19/2/2024	Cloudy	9:31	4.0	3.0	21.08	21.17	8.76	8.76	31.42	31.40	92.30	92.50	6.83	6.85	3.67	3.82	3.4	3.6
	18/2/2024	Cioudy	9:32	4.0	3.0	21.25	21.17	8.75	0.70	31.37	31.40	92.70	32.30	6.87	0.03	3.97	3.02	3.8]
	22/2/2024	Cloudy	15:33	4.2	3.2	21.90	21.82	8.08	8.09	31.88	31.85	88.10	87.95	6.63	6.62	2.20	2.34	1.6	1.7
	22/2/2024	Cioudy	15:34	4.2	3.2	21.74	21.02	8.10	0.05	31.81	31.03	87.80	07.55	6.61	0.02	2.47	2.54	1.8	1.7
	24/2/2024	Cloudy	7:52	3.8	2.8	20.47	20.52	8.60	8 59	31.45	31 41	82.10	82.05	6.41	6.41	2.09	2.23	1.9	1.8
	24/2/2024	Cioudy	7:53	3.8	2.8	20.57	20.02	8.58	0.35	31.37	31.41	82.00	02.00	6.41	0.41	2.37	2.23	1.7	1
	26/2/2024	Cloudy	8:09	3.9	2.9	20.09	20.11	8.75	8.75	32.21	32.29	89.30	86.95	6.99	6.76	3.84	3.76	2.4	2.6
	20/2/2024	Sibudy	8:10	3.9	2.9	20.13	20.11	8.75	0.75	32.36	32.25	84.60	30.53	6.52	0.70	3.67	3.70	2.8	2.0
	28/2/2024	Cloudy	8:29	3.9	2.9	19.88	19.86	8.71	8.72	32.17	32.27	84.30	84.05	6.57	6.56	4.27	4.22	2.3	2.2
	20222024	Sibudy	8:30	3.9	2.9	19.84	13.00	8.73	0.72	32.37	32.21	83.80	34.03	6.55	0.50	4.16	4.22	2.0	2.2

Impact Water Quality Monitoring at Station SR10 (Middle) - Ebb Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sal	inity	DO Sa	turation	D	00	Turi	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	0	С				pt		%	m			TU	m	ng/L
	Date		111110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	16:50	2.7	1.4	20.36	20.46	7.52	7.56	32.18	32.14	92.60	93.20	6.89	6.94	3.59	3.68	1.4	1.4
	2/2/2024	Cioudy	16:51	2.7	1.4	20.56	20.40	7.60	7.50	32.09	32.14	93.80	55.20	6.98	0.54	3.76	3.00	1.4	1.4
	5/2/2024	Cloudy	17:49	2.8	1.4	20.65	20.68	7.83	7.81	32.56	32.58	91.30	90.00	6.86	6.77	2.71	2 63	1.9	1.8
	0/2/2024	Oloudy	17:50	2.8	1.4	20.70	20.00	7.79	7.01	32.60	02.00	88.70	50.00	6.68	0	2.54	2.00	1.6	1.0
	7/2/2024	Cloudy	11:04	2.5	1.3	20.09	20 10	7.94	7 94	32.17	32 11	93.70	93.80	6.77	6.78	4.95	4 91	5.0	5.2
	11212024	Cioudy	11:05	2.5	1.3	20.11	20.10	7.93	7.04	32.05	32.11	93.90	55.00	6.78	0.70	4.87	4.31	5.3	0.2
	9/2/2024	Cloudy	11:30	2.8	1.4	18.42	18.50	8.13	8.13	26.08	26.03	83.70	83.35	6.25	6.23	4.82	4.90	7.1	
	8/2/2024	Cioudy	11:31	2.8	1.4	18.57	10.50	8.13	0.13	25.97	20.03	83.00	03.33	6.20	0.23	4.97	4.50	6.6	0.0
	12/2/2024						Мо	nitoring was	cancelled d	ue to no mar	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	14:58	2.8	1.4	19.84	19.75	7.82	7.80	32.68	32 69	84.30	85.25	6.63	6.67	4.73	4 69	4.2	4.0
SR10	14/2/2024	Suility	14:59	2.8	1.4	19.65	15.75	7.78	7.00	32.70	32.05	86.20	00.20	6.70	0.07	4.64	4.03	3.8	4.0
31(10	16/2/2024	Cloudy	17:03	2.8	1.4	20.09	19.95	8.35	8.30	32.47	32.56	84.20	84.85	6.51	6.54	3.69	3.62	4.3	4.5
	10/2/2024	Oloudy	17:04	2.8	1.5	19.81	10.00	8.24	0.00	32.64	02.00	85.50	04.00	6.57	0.04	3.55	0.02	4.6	
	19/2/2024	Cloudy	17:56	2.5	1.5	21.27	21.19	8.94	8.87	31.43	31.59	89.00	88.55	6.78	6.76	2.52	2.63	2.7	2.8
	18/2/2024	Cioudy	17:57	2.9	1.5	21.10	21.10	8.80	0.07	31.75	31.35	88.10	00.55	6.74	0.70	2.74	2.03	2.8	2.0
	22/2/2024	Cloudy	11:56	2.5	1.3	22.09	22.08	8.06	8.07	32.10	32 07	91.10	90.85	6.85	6.83	3.00	3 13	4.4	4.2
	LEIZIZOZA	Oloudy	11:57	2.5	1.3	22.07	22.00	8.08	0.07	32.04	02.07	90.60	50.00	6.81	0.00	3.25	0.10	4.0	
	24/2/2024	Cloudy	11:57	2.6	1.3	20.80	20.74	8.47	8 49	32.10	32.09	88.50	88.90	6.64	6.68	3.84	3.81	1.7	1.8
	24222024	Oloudy	11:58	2.6	1.3	20.67	20.74	8.50	0.40	32.08	02.00	89.30	00.50	6.72	0.00	3.78	0.01	1.8	1.0
	26/2/2024	Cloudy	12:38	2.6	1.3	20.07	20.03	8.65	8 67	32.97	32.90	84.40	87.20	6.58	6.71	3.90	3.79	2.6	2.5
	20222024	Sibudy	12:39	2.6	1.3	19.99	20.03	8.68	0.07	32.83	32.50	90.00	37.20	6.83	0.71	3.68	3.78	2.4	
	28/2/2024	Cloudy	13:38	2.6	1.3	19.98	19.97	8.73	8.71	32.19	32.21	88.30	88.60	6.77	6.79	4.74	4.63	1.6	
			13:39	2.6	1.3	19.96		8.69	0.71	32.22	JL.L.	88.90	50.00	6.80	0.70	4.51	4.00	1.7	1

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station SR10 (Middle) - Flood Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sa	linity	DO Sa	turation	D	00	Turl	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	0	С			p	pt		%		g/L	N'	TU	m	ng/L
	Date		11110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	10:54	2.4	1.2	20.60	20.55	7.80	7.75	32.87	32.82	91.30	91.10	6.85	6.84	3.12	3.03	1.2	1.1
	DDZ0Z4	Gloddy	10:55	2.4	1.2	20.49	20.00	7.69	7.70	32.77	02.02	90.90	01.10	6.83	0.04	2.93	0.00	1.0	
	5/2/2024	Cloudy	13:31	2.5	1.3	20.74	20.72	7.80	7.88	32.72	32 71	93.10	93.35	6.90	6.92	3.62	3.58	3.3	
	0/2/2024	Gloddy	13:32	2.5	1.3	20.70	20.72	7.95	7.00	32.70	02.71	93.60	55.55	6.94	0.02	3.54	0.00	3.7	0.0
	7/2/2024	Cloudy	13:45	2.8	1.4	20.57	20.52	8.17	8 13	31.56	31.50	93.20	91.95	6.94	6.90	3.39	3.29	3.9	4.1
	77272024	Gloddy	13:46	2.8	1.4	20.47	20.02	8.09	0.10	31.43	01.00	90.70	01.00	6.85	0.00	3.18	0.20	4.2	
	9/2/2024	Cloudy	8:00	2.6	1.3	18.52	18.50	8.12	8.12	25.94	25.97	83.50	83.55	6.26	6.26	4.89	4.84	5.7	
		,	8:01	2.6	1.3	18.47		8.12		26.00		83.60		6.26		4.79		5.8	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	9:57	2.5	1.3	19.62	19.56	7.79	7 78	32.94	32.92	87.20	85.75	6.70	6.62	3.73	3.71	2.6	2.7
SR10	14/2/2024	Suriny	9:58	2.5	1.3	19.50	19.50	7.77	1.10	32.90	32.92	84.30	65.75	6.54	0.02	3.68	3.71	2.8	2.7
SKIU	16/2/2024	Cloudy	10:56	2.5	1.3	19.90	19.94	8.23	8.22	32.43	32 42	88.60	87.80	6.88	6.85	4.07	4.09	4.3	4.5
	10/2/2024	Cioudy	10:57	2.5	1.3	19.98	10.54	8.20	0.22	32.41	32.42	87.00	07.00	6.82	0.03	4.10	4.05	4.6	4.5
	19/2/2024	Cloudy	9:37	2.7	1.4	21.09	20.84	8.62	8.71	31.69	31.61	92.50	92.20	6.85	6.83	3.64	3.61	4.8	4.7
	18/2/2024	Cloudy	9:38	2.7	1.4	20.59	20.04	8.79	0.71	31.53	31.01	91.90	32.20	6.80	0.03	3.58	3.01	4.6	4.3
	22/2/2024	Cloudy	15:21	2.7	1.4	22.08	22 11	8.12	8 11	32.08	32 10	92.10	91.80	6.80	6.79	2.01	1 91	1.6	1.6
	EE/E/E0E4	Gloddy	15:22	2.7	1.4	22.14	22.11	8.10	0.11	32.12	02.10	91.50	01.00	6.77	0.75	1.80	1.01	1.6	1.0
	24/2/2024	Cloudy	8:00	2.4	1.2	20.63	20.62	8.62	8.61	31.67	31.69	82.70	82 45	6.32	6.31	2.98	2 92	1.5	1.4
	24/2/2024	Cloudy	8:01	2.4	1.2	20.61	20.02	8.60	0.01	31.70	31.05	82.20	02.40	6.30	0.51	2.85	2.02	1.2	1.4
	26/2/2024	Cloudy	8:16	2.2	1.1	20.04	20.05	8.71	8.74	32.84	32.90	88.30	86.25	6.68	6.54	4.37	4.30	2.8	2.7
	20/2/2024	Sibudy	8:17	2.2	1.1	20.06	20.03	8.76	0.74	32.96	32.50	84.20	30.23	6.40	0.54	4.23	4.30	2.6	2.7
	28/2/2024	Cloudy	8:36	2.3	1.2	19.86	19.86	8.73	8.73	32.10	32.17	87.60	86.85	6.76	6.73	4.08	4.02	2.1	2.2
	20222024	Sibudy	8:37	2.3	1.2	19.86	13.00	8.73	0.75	32.24	32.17	86.10	30.03	6.69	0.73	3.96	4.02	2.2	2.2

Impact Water Quality Monitoring at Station SR12 (Middle) - Ebb Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sal	inity	DO Sa	turation	D	00	Turi	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	0	С				pt		%	m			TU	m	ıg/L
	Date		111110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	16:43	2.7	1.4	20.72	20.63	7.83	7.76	32.06	32.06	93.20	92.70	6.93	6.88	3.61	3.58	1.4	1.5
	2/2/2024	Cloudy	16:44	2.7	1.4	20.54	20.03	7.68	7.70	32.06	32.00	92.20	32.70	6.83	0.00	3.54	3.30	1.5	1.0
	5/2/2024	Cloudy	17:44	2.9	1.5	20.73	20.65	7.80	7 75	32.88	32 78	92.60	91.65	6.95	7.37	3.01	3 13	1.8	1.8
	0/2/2024	Gloddy	17:45	2.9	1.5	20.57	20.00	7.69	7.70	32.67	02.70	90.70	01.00	7.79	7.07	3.24	0.10	1.7	1.0
	7/2/2024	Cloudy	11:11	2.6	1.3	20.03	20.02	7.81	7.88	31.41	31 49	93.30	93,45	6.79	6.80	4.11	4 24	5.0	4.6
	112/2024	Cloudy	11:12	2.6	1.3	20.01	20.02	7.95	7.00	31.56	31.48	93.60	55.45	6.80	0.00	4.37	4.24	4.2	4.0
	9/2/2024	Cloudy	11:23	2.7	1.4	18.62	18.68	8.16	8.15	25.80	25.87	83.00	81.75	6.23	6.20	4.00	4.14	6.5	
	3/2/2024	Cloudy	11:24	2.7	1.4	18.73	10.00	8.14	0.13	25.93	23.07	80.50	01.73	6.17	0.20	4.27	4,14	6.1	0.0
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works di	uring CNY h	oliday						
	14/2/2024	Sunny	14:52	2.7	1.4	19.73	19.69	7.76	7.76	33.09	33.05	88.60	87.80	6.88	6.85	4.45	4.53	2.7	2.9
SR12	14/2/2024	Suriny	14:53	2.7	1.4	19.64	19.09	7.76	1.76	33.01	33.05	87.00	07.00	6.81	0.00	4.60	4.53	3.0	2.0
3R12	16/2/2024	Cloudy	16:57	2.9	1.5	19.86	19.83	8.36	8.31	32.26	32.29	89.10	89.70	6.74	6.77	3.41	3.35	5.6	5.8
	10/2/2024	Cioudy	16:58	2.9	1.5	19.80	15.03	8.25	0.51	32.31	32.25	90.30	05.70	6.80	0.77	3.29	3.33	6.0	0.0
	19/2/2024	Cloudy	17:49	2.4	1.5	21.25	21.15	8.88	8.84	31.69	31.71	91.20	90.90	6.82	6.80	2.87	2.74	3.9	3.7
	13/2/2024	Cioudy	17:50	2.9	1.5	21.04	21.10	8.79	0.04	31.72	31.71	90.60	30.30	6.77	0.00	2.60	2.74	3.5	0.7
	22/2/2024	Cloudy	12:00	2.4	1.2	22.27	22 19	8.12	8 11	31.98	31.92	87.00	86.75	6.47	6.46	2.47	2.58	5.5	5.3
	22/2/2024	Cioudy	12:01	2.4	1.2	22.11	22.10	8.09	0.11	31.85	31.52	86.50	00.73	6.45	0.40	2.68	2.50	5.1	0.0
	24/2/2024	Cloudy	11:51	2.7	1.4	20.74	20.72	8.39	8.47	31.68	31 73	88.60	88.40	6.75	6.74	3.50	3.57	1.4	1.4
	2-12/2024	Sibudy	11:52	2.7	1.4	20.69	20.72	8.54	0.47	31.77	31.73	88.20	30.40	6.73	0.74	3.64	3.37	1.4	1.44
	26/2/2024	Cloudy	12:31	2.5	1.3	19.98	19.96	8.76	8.78	32.45	32 48	81.30	84.65	6.41	6.59	3.73	3.79	2.2	2.1
	20/2/2024	Sibudy	12:32	2.5	1.3	19.94	19.90	8.80	0.70	32.50	32.40	88.00	34.03	6.77	0.55	3.84	3.78	2.0	
	28/2/2024	Cloudy	13:32	2.7	1.4	19.97	19.96	8.72	8.71	32.18	32.22	88.20	87.85	6.72	6.71	4.86	4.79	2.8	2.7
	20/2/2024	Sibudy	13:33	2.7	1.4	19.95	19.90	8.70	0.71	32.25	32.22	87.50	37.03	6.69	0.71	4.71	4.75	2.6	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station SR12 (Middle) - Flood Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sal	inity	DO Sa	turation	D	00	Turl	bidity	ę	SS
Station Reference	Date	Weather	Time	Depth	Depth	0	С			р	pt		%		g/L	N'	TU	m	ng/L
	Date		1 11110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	11:00	2.5	1.3	20.53	20.63	7.67	7.60	33.20	33.15	92.40	91.40	6.83	6.80	2.67	2 77	2.2	2.2
	DDZ0Z4	Gloddy	11:01	2.5	1.3	20.73	20.00	7.52	7.00	33.10	00.10	90.40	01.40	6.77	0.00	2.86	2	2.1	
	5/2/2024	Cloudy	13:36	2.6	1.3	20.76	20.76	7.77	7.81	32.79	32.80	93.40	93.70	6.92	6.95	3.84	3.73	2.0	
	0/2/2024	Gloddy	13:37	2.6	1.3	20.75	20.70	7.85	7.01	32.80	02.00	94.00	00.70	6.97	0.00	3.62	0.70	2.3	
	7/2/2024	Cloudy	13:38	2.8	1.4	20.37	20.33	8.11	8 15	31.40	31.38	93.20	92.95	6.92	6.90	3.95	3.98	2.0	2.3
	77272024	Gloddy	13:39	2.8	1.4	20.29	20.00	8.18	0.10	31.36	01.00	92.70	02.00	6.88	0.00	4.01	0.00	2.6	
	9/2/2024	Cloudy	8:07	2.5	1.3	18.56	18.65	8.14	8.14	25.97	25.88	83.70	83.30	6.24	6.22	4.72	4.62	4.8	
		,	8:08	2.5	1.3	18.73		8.13		25.78		82.90		6.19		4.52		5.1	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	10:03	2.4	1.2	19.50	19.53	7.70	7 73	32.87	32.86	88.60	87.70	6.82	6.74	3.95	3.98	3.2	3.1
SR12	14/2/2024	Suriny	10:04	2.4	1.2	19.55	19.55	7.76	1.13	32.84	32.00	86.80	67.70	6.66	0.74	4.01	3.90	2.9	3.1
SKIZ	16/2/2024	Cloudy	11:02	2.6	1.3	19.86	19.82	8.20	8.24	32.90	32.94	85.10	86.65	6.63	6.71	4.30	4.25	5.6	5.8
	10/2/2024	Cioudy	11:03	2.6	1.3	19.77	15.02	8.27	0.24	32.98	32.54	88.20	00.00	6.79	0.71	4.19	4.23	6.0	3.0
	19/2/2024	Cloudy	9:41	2.6	1.3	21.12	21.05	8.73	8.76	32.07	32.14	90.60	89.45	6.78	6.69	3.69	3.74	3.8	3.7
	18/2/2024	Cloudy	9:42	2.6	1.3	20.97	21.00	8.78	0.70	32.20	32.14	88.30	05.40	6.60	0.03	3.78	3.74	3.5	0
	22/2/2024	Cloudy	15:16	2.5	1.3	22.21	22 20	8.14	8 13	32.19	32.21	92.40	92.10	6.69	6.67	1.87	1 71	1.0	1.0
	EE/E/E0E4	Gloddy	15:17	2.5	1.3	22.18	22.20	8.11	0.10	32.23	OL.L1	91.80	02.10	6.65	0.01	1.55	1.71	1.0	1.0
	24/2/2024	Cloudy	8:05	2.3	1.2	20.64	20.61	8.47	8.53	31.69	31 71	89.30	89.50	6.81	6.82	2.94	2.99	1.6	1.7
	24/2/2024	Cloudy	8:06	2.3	1.2	20.57	20.01	8.58	0.33	31.73	31.71	89.70	05.30	6.83	0.02	3.04	2.55	1.7	1
	26/2/2024	Cloudy	8:22	2.3	1.2	20.14	20.08	8.73	8.74	32.63	32.68	89.10	85.95	6.81	6.65	4.28	4.24	3.4	3.5
	20/2/2024	Sibudy	8:23	2.3	1.2	20.01	20.00	8.74	0.74	32.73	32.00	82.80	33.83	6.49	0.03	4.19	4.24	3.6	3.0
	28/2/2024	Cloudy	8:42	2.4	1.2	19.80	19.83	8.70	8 71	32.38	32.41	90.40	89.80	6.84	6.81	4.05	4.11	1.1	1.2
	20222024	Sibudy	8:43	2.4	1.2	19.85	19.00	8.71	0.71	32.43	32.41	89.20	35.00	6.77	0.01	4.17	4.11	1.2	1.2

Impact Water Quality Monitoring at Station SR15 (Middle) - Ebb Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sal	inity	DO Sa	turation	D	00	Turi	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	0	С				pt		%	m			TU	m	ng/L
	Date		111110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	17:41	2.6	1.3	20.54	20.63	7.70	7 68	33.02	33.02	90.50	89.90	6.85	6.82	2.80	2.72	1.4	1.4
	2/2/2024	Cloudy	17:42	2.6	1.3	20.71	20.03	7.65	7.00	33.01	33.02	89.30	05.50	6.79	0.02	2.63	2.12	1.3	1.4
	5/2/2024	Cloudy	18:38	2.8	1.4	20.83	20.78	7.85	7 89	32.57	32 47	89.90	88 60	6.88	6.84	2.94	3.06	1.5	1.7
	0/2/2024	Gloddy	18:39	2.8	1.4	20.72	20.70	7.93	7.00	32.36	02.47	87.30	00.00	6.80	0.04	3.18	0.00	1.8	1.3
	7/2/2024	Cloudy	10:13	2.4	1.2	20.26	20.24	8.09	8 12	32.11	32 10	86.40	86.00	6.61	6.58	4.67	4.62	5.1	4.9
	11212024	Cloudy	10:14	2.4	1.2	20.22	20.24	8.15	0.12	32.08	32.10	85.60	00.00	6.55	0.50	4.57	4.02	4.6	4.5
	9/2/2024	Cloudy	12:21	2.7	1.4	18.43	18.37	8.16	8.15	25.68	25.71	82.70	82.35	6.16	6.14	3.25	3.16	5.6	
	3/2/2024	Cloudy	12:22	2.7	1.4	18.31	10.57	8.14	0.13	25.73	23.71	82.00	02.33	6.12	0.14	3.06	3.10	6.0	0.0
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	15:48	2.8	1.4	19.27	19.29	7.79	7 78	33.17	33 16	89.10	88.55	6.87	6.84	4.92	4.90	5.4	5.3
SR15	14/2/2024	Suriny	15:49	2.8	1.4	19.30	19.29	7.76	1.10	33.15	33.10	88.00	00.00	6.81	0.04	4.87	4.90	5.1	5.5
SKIS	16/2/2024	Cloudy	17:51	2.9	1.5	20.34	20.31	8.24	8.26	31.94	31.91	88.90	90.05	6.62	6.68	3.17	3.07	4.8	5.0
	10/2/2024	Cioudy	17:52	2.9	1.5	20.27	20.51	8.27	0.20	31.87	31.81	91.20	50.05	6.74	0.00	2.96	3.07	5.2	0.0
	19/2/2024	Cloudy	18:43	2.9	1.5	21.19	21.23	8.63	8.73	32.47	32.51	90.40	89.60	6.82	6.79	2.32	2.40	3.6	3.5
	13/2/2024	Cioudy	18:44	2.9	1.5	21.27	21.20	8.82	0.73	32.55	32.31	88.80	05.00	6.76	0.75	2.47	2.40	3.3	0.0
	22/2/2024	Cloudy	11:04	2.5	1.3	21.60	21 57	8.06	8.05	32.29	32 37	93.40	92.80	6.90	6.86	2.59	2.51	2.8	3.0
	22/2/2024	Cioudy	11:05	2.5	1.3	21.54	21.57	8.04	0.00	32.44	32.31	92.20	32.00	6.81	0.00	2.43	2.51	3.2	0.0
	24/2/2024	Cloudy	12:48	2.7	1.4	20.47	20.54	8.57	8.62	32.01	31.99	88.60	88.40	6.67	6.65	2.68	2 70	1.2	1.3
	2-12/202-4	Gloddy	12:49	2.7	1.4	20.60	20.04	8.66	0.02	31.96	01.00	88.20	00.40	6.62	0.00	2.72	2.70	1.3	1.0
	26/2/2024	Cloudy	13:30	2.5	1.3	19.87	19.93	8.70	8.69	32.42	32.47	87.30	87.65	6.65	6.54	4.27	4.22	2.5	2.5
	20/2/2024	Sibudy	13:31	2.5	1.3	19.99	15.53	8.67	0.03	32.51	32.47	88.00	37.03	6.42	0.54	4.16	4.22	2.4	
	28/2/2024	Cloudy	14:30	2.8	1.4	19.70	19.67	8.71	8.73	32.42	32.36	87.60	84.90	6.63	6.62	4.87	4.69	3.7	3.8
	20/2/2024	Sidudy	14:31	2.8	1.4	19.64	19.01	8.74	0.73	32.29	32.30	82.20	34.50	6.61	0.02	4.50	4.05	3.8	0.0

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station SR15 (Middle) - Flood Tide

	Sampling		Sampling	Water	Sampling		erature	Р	Н	Sal	inity	DO Sa		D	0	Turt			SS
Station Reference	Date	Weather	Time	Depth	Depth		С				pt		%	m			TU		ıg/L
				m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	10:04	2.3	1.2	20.63	20.58	7.75	7.71	32.41	32.36	87.30	87.75	6.63	6.66	3.37	3.26	2.7	2
		,	10:05	2.3	1.2	20.52		7.66		32.31	0=100	88.20		6.68		3.14	0.110	2.4	
	5/2/2024	Cloudy	12:42	2.4	1.2	20.50	20.52	7.98	7.90	32.67	32.73	84.90	84.95	6.45	6.45	3.42	3.50	3.3	
		,	12:43	2.4	1.2	20.53		7.82		32.79		85.00		6.45		3.57		3.0	
	7/2/2024	Cloudy	10:35	2.8	1.4	20.66	20.62	7.96	8.03	31.90	31.93	90.60	90.95	6.86	6.89	3.47	3.41	4.5	4
		,	10:36	2.8	1.4	20.57		8.09	0.00	31.96	0	91.30		6.92		3.34		3.6	
	9/2/2024	Cloudy	7:08	2.4	1.2	18.67	18.60	8.10	8.13	25.90	25.87	83.00	83.20	6.19	6.20	4.11	4.19	4.2	4
	0.2.202	,	7:09	2.4	1.2	18.53	10.00	8.15		25.83		83.40		6.21		4.27		3.9	
	12/2/2024						Mor	nitoring was	cancelled d	ue to no ma	rine works di	uring CNY h	oliday						
	14/2/2024	Sunny	9:05	2.5	1.3	19.30	19.28	7.72	7.72	32.41	32.38	87.40	88.00	6.81	6.85	3.73	3.65	5.4	
SR15	14/2/2024	Suriny	9:06	2.5	1.3	19.25	19.20	7.72	1.12	32.35	32.30	88.60	00.00	6.88	0.00	3.56	3.00	5.1	,
SKIS	16/2/2024	Cloudy	10:05	2.7	1.4	20.37	20.24	8.29	8 25	32.41	32 39	88.90	88 65	6.62	6.60	3.55	3.61	4.8	
	10/2/2024	Cioddy	10:06	2.7	1.4	20.11	20.24	8.21	0.23	32.37	32.35	88.40	00.00	6.58	0.00	3.67	3.01	5.2	
	19/2/2024	Cloudy	8:48	2.5	1.3	21.40	21.42	8.97	8.96	31.81	31.78	90.20	90.15	6.79	6.79	4.01	3.95	5.0	
	19/2/2024	Cloudy	8:49	2.5	1.3	21.43	21.42	8.94	0.90	31.75	31.70	90.10	90.15	6.79	0.79	3.89	3.95	5.2	,
	22/2/2024	Cloudy	16:10	2.8	1.4	21.99	22.03	8.07	8.04	31.87	31.91	84.20	84 60	6.27	629	2.05	1.93	1.3	
	22/2/2024	Cloudy	16:11	2.8	1.4	22.07	22.03	8.00	0.04	31.94	31.91	85.00	04.00	6.30	0.25	1.80	1.55	1.5	
	24/2/2024	Cloudy	7:09	2.4	1.2	20.36	20.33	8.30	8 28	31.27	31.22	90.90	90.55	6.84	6.82	3.27	3.17	1.2	
	2-112/2024	Oloddy	7:10	2.4	1.2	20.29	20.00	8.25	0.20	31.16	01.22	90.20	50.55	6.80	0.02	3.07	0.11	1.1	
	26/2/2024	Cloudy	7:24	2.1	1.1	19.73	19.67	8.76	8.76	32.87	32 89	90.10	86 60	6.97	6.79	4.97	4 91	4.0	
	20/2/2024	Sibudy	7:25	2.1	1.1	19.61	19.01	8.76	0.70	32.91	32.05	83.10	30.00	6.60	0.73	4.84	4.51	3.6	
	28/2/2024	Cloudy	7:44	2.2	1.1	19.67	19.70	8.73	8 71	32.37	32.29	81.50	81.25	6.41	6.40	4.47	4.41	3.2	
	20/2/2024	Cioudy	7:45	2.2	1.1	19.72	15.70	8.69	0.71	32.21	32.25	81.00	31.23	6.39	0.40	4.34	4.41	3.6	1

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Impact Water Quality Monitoring at Station CE (surface) - Ebb Tide

	Sampling		Sampling	Water	Sampling		erature	F	Н	Sal	linity	DO Sa	turation	D	0	Turt	oidity	5	SS
Station Reference	Date	Weather	Time	Depth	Depth		С				pt		%	m			TU		g/L
				m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	16:30	8.5	1.0	21.85	21.92	7.42	7.50	31.87	31.93	94.10	94.55	6.91	6.95	2.67	2.60	3.2	3.
	DDE024	Oloudy	16:31	8.5	1.0	21.99	21.02	7.57	7.00	31.99	01.00	95.00	04.00	6.99	0.55	2.52	2.00	3.6	
	5/2/2024	Cloudy	17:31	8.8	1.0	20.72	20.70	7.89	7.90	33.03	33.02	92.70	93.10	6.92	6.95	2.16	2 11	1.5	1
	3/2/2024	Cioudy	17:32	8.8	1.0	20.67	20.70	7.91	7.50	33.01	33.02	93.50	55.10	6.98	0.55	2.06	2.11	1.3	
	7/2/2024	Cloudy	11:23	8.5	1.0	20.39	20.42	8.07	8.01	31.79	31.87	93.40	93.20	6.96	6.96	3.64	3.73	5.8	5
	11212024	Oloudy	11:24	8.5	1.0	20.44	20.42	7.95	0.01	31.94	01.07	93.00	00.20	6.95	0.50	3.81	0.70	4.6	
	9/2/2024	Cloudy	11:10	8.8	1.0	18.37	18 40	8.12	8 13	25.60	25.67	83.70	84.80	6.25	6.32	2.67	2.75	3.3	3
	0/2/2024	Oloudy	11:11	8.8	1.0	18.42	10.40	8.13	0.10	25.73	20.07	85.90	04.00	6.38	0.02	2.83	2.70	3.0	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	14:40	8.7	1.0	19.25	19.20	7.79	7 79	32.87	32.92	88.00	87.80	6.92	6.90	4.03	4.01	6.8	
CE	14/2/2024	Suriny	14:41	8.7	1.0	19.15	19.20	7.78	7.79	32.96	32.92	87.60	07.00	6.88	6.90	3.98	4.01	6.5	1 '
CE	16/2/2024	Cloudy	16:45	8.8	1.0	20.10	20.12	8.29	8 28	32.27	32.28	90.10	90.55	6.81	6.84	3.19	3.20	5.5	
	10/2/2024	Cioudy	16:46	8.8	1.0	20.14	20.12	8.26	0.20	32.28	32.20	91.00	50.55	6.86	0.04	3.21	3.20	5.2	1
	19/2/2024	Cloudy	17:38	8.9	1.0	20.98	20.94	8.65	8.68	31.97	31.89	92.80	93.05	6.88	6.89	2.84	2.73	4.0	
	13/2/2024	Cioudy	17:39	8.9	1.0	20.90	20.54	8.70	0.00	31.80	31.05	93.30	55.05	6.90	0.03	2.62	2.73	3.6] '
	22/2/2024	Cloudy	12:12	8.6	1.0	21.65	21.70	8.07	8.13	32.09	32.11	93.00	93.20	6.90	6.91	3.48	3.43	1.8	
	22/2/2024	Cioudy	12:13	8.6	1.0	21.75	21.70	8.19	0.13	32.13	32.11	93.40	55.20	6.92	0.51	3.37	3.43	1.7	
	24/2/2024	Cloudy	11:40	8.6	1.0	20.56	20.51	8.47	8 49	31.92	31.88	88.20	88.05	6.76	6.75	1.87	1.92	1.4	
	24/2/2024	Cioudy	11:41	8.6	1.0	20.46	20.51	8.50	0.49	31.83	31.00	87.90	00.00	6.74	0.73	1.96	1.02	1.2	
	26/2/2024	Cloudy	12:20	8.5	1.0	19.97	19.98	7.67	7.63	32.82	32.88	87.40	85.05	6.90	6.70	3.73	3.84	3.7	
	20272024	Sidudy	12:21	8.5	1.0	19.99	15.50	7.59	7.05	32.94	32.00	82.70	33.03	6.49	0.70	3.95	3.04	3.3	
	28/2/2024	Cloudy	13:20	8.6	1.0	19.74	19.78	8.69	8.70	32.24	32.17	85.20	84.55	6.63	6.59	3.67	3.74	1.4	
	20/2/2024	Sibudy	13:21	8.6	1.0	19.81	15.70	8.71	0.70	32.10	32.17	83.90	34.33	6.55	0.55	3.81	3.74	1.3	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station CE (surface) - Flood Tide

	Sampling		Sampling	Water	Sampling		erature	P	Н	Sal	linity	DO Sa	turation	D	00	Turl	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth		С		-		pt		%	m			TU		ng/L
	Date		1	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	11:12	8.2	1.0	20.63	20.61	7.87	7.79	32.47	32.40	89.40	88.75	6.76	6.72	2.84	2.79	3.0	2
	222024	Cioddy	11:13	8.2	1.0	20.58	20.01	7.70	1	32.33	02.40	88.10	00.70	6.67	0.72	2.74	20	2.6	i
	5/2/2024	Cloudy	13:48	8.4	1.0	20.60	20.62	7.89	7.85	32.18	32.13	90.70	91.30	6.85	6.89	2.67	2.60	1.6	
		,	13:49	8.4	1.0	20.63		7.80		32.07		91.90		6.93	0.00	2.52		1.4	
	7/2/2024	Cloudy	13:25	8.7	1.0	20.17	20.21	8.11	8.06	32.76	32.71	89.90	89.30	6.99	6.87	3.84	3.92	3.0	3.3
	11212024	Cioddy	13:26	8.7	1.0	20.24	20.21	8.00	0.00	32.65	02.71	88.70	05.00	6.75	0.07	4.00	0.02	3.4	
	9/2/2024	Cloudy	8:19	8.5	1.0	18.09	18.17	8.08	8.06	25.97	25.96	82.80	83.25	6.17	6.21	2.65	2.75	4.3	
	0/2/2024	Cioddy	8:20	8.5	1.0	18.25	10.11	8.03	0.00	25.94	20.00	83.70	00.20	6.25	0.11	2.84	20	4.4	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no mai	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	10:14	8.3	1.0	19.30	19.32	7.79	7 77	32.62	32.55	89.40	88.05	6.90	6.83	4.65	4.76	7.4	7.5
CE	14/2/2024	Suriny	10:15	8.3	1.0	19.33	19.32	7.75	1.11	32.48	32.55	86.70	00.00	6.76	0.03	4.86	4.76	7.6	, ,
CE	16/2/2024	Cloudy	11:13	8.4	1.0	20.25	20 19	8.27	8.26	32.67	32 61	92.40	92.75	6.95	6.97	2.67	2.78	5.5	5.4
	10/2/2024	Cioddy	11:14	8.4	1.0	20.13	20.10	8.24	0.20	32.55	32.01	93.10	52.75	6.98	0.57	2.88	2.70	5.2	
	19/2/2024	Cloudy	9:53	8.5	1.0	21.37	21.29	8.65	8.72	32.17	32.24	91.00	91.65	6.85	6.85	2.65	2.76	3.9	3.7
	13/2/2024	Cloudy	9:54	8.5	1.0	21.21	21.20	8.79	0.72	32.31	32.24	92.30	31.03	6.84	0.00	2.86	2.70	3.5	i
	22/2/2024	Cloudy	15:05	8.7	1.0	21.56	21.60	8.18	8.20	31.84	31.80	91.50	91.70	6.67	6.69	2.76	2.86	2.8	2.7
	LL/L/LUL-4	Oloddy	15:06	8.7	1.0	21.64	21.00	8.22	0.20	31.75	01.00	91.90	01.70	6.71	0.00	2.96	2.00	2.6	
	24/2/2024	Cloudy	8:17	8.3	1.0	20.57	20.59	8.39	8 45	31.59	31.65	87.10	88.20	6.76	6.79	2.67	2 70	1.4	1.5
	24/2/2024	Cloudy	8:18	8.3	1.0	20.60	20.55	8.50	0.45	31.70	31.03	89.30	00.20	6.82	0.73	2.72	2.70	1.5	
	26/2/2024	Cloudy	8:09	8.2	1.0	19.94	19.88	8.79	8.78	32.50	32.58	92.80	92.15	6.99	6.97	4.67	474	4.3	4.3
	20/2/2024	Sibudy	8:10	8.2	1.0	19.81	19.00	8.77	0.70	32.66	32.30	91.50	32.13	6.94	0.57	4.80	4.74	4.2	
	28/2/2024	Cloudy	8:55	8.4	1.0	19.79	19.78	8.69	8.71	32.29	32.23	89.10	88.95	6.77	6.79	3.64	3.69	1.8	1.
	20272024	Sibudy	8:56	8.4	1.0	19.77	15.70	8.73	0.71	32.16	32.23	88.80	30.53	6.81	0.75	3.73	3.05	1.9	

Impact Water Quality Monitoring at Station CE (Middle) - Ebb Tide

	Sampling	1	Sampling	Water	Sampling	Tempe	erature		H	Sali	inity	DO Sa	turation	D	0	Turk	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	٥				p		9	6	mg			TU	m	ng/L
	Date		1 11110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	16:34	8.5	4.3	21.66	21.61	7.82	7.86	31.56	31.62	93.60	94.00	6.89	6.92	3.82	3.73	2.8	
	2/2/2024	Cioudy	16:35	8.5	4.3	21.56	21.01	7.90	7.00	31.67	31.02	94.40	34.00	6.95	0.52	3.63	3.73	3.0	
	5/2/2024	Cloudy	17:35	8.8	4.4	20.76	20.73	7.90	7.88	32.49	32 43	92.90	92.70	6.94	6.93	2.04	1.96	1.5	
	3/2/2024	Cioudy	17:36	8.8	4.4	20.70	20.73	7.85	7.00	32.36	32.43	92.50	32.70	6.91	0.55	1.87	1.50	1.7	
	7/2/2024	Cloudy	11:27	8.5	4.3	20.32	20.30	7.96	7 91	32.97	32.91	92.20	91.65	6.83	6.80	3.59	3.65	5.7	
	1/2/2024	Cioudy	11:28	8.5	4.3	20.27	20.30	7.86	7.01	32.85	32.51	91.10	31.00	6.76	0.00	3.70	3.03	4.9	
	9/2/2024	Cloudy	11:14	8.8	4.4	18.15	18 20	8.17	8 16	25.87	25.90	83.80	83.95	6.24	6.26	2.32	2.36	3.4	
	8/2/2024	Cioudy	11:15	8.8	4.4	18.24	10.20	8.15	0.10	25.92	25.50	84.10	03.53	6.27	0.20	2.40	2.30	3.5	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no mar	ine works di	uring CNY h	oliday						
	14/2/2024	Sunny	14:44	8.7	4.4	19.14	19.21	7.79	7.81	32.48	32.56	81.80	82.05	6.49	6.52	4.13	4.08	5.6	
CE	14/2/2024	Suriny	14:45	8.7	4.4	19.27	19.21	7.82	7.01	32.63	32.30	82.30	02.05	6.54	0.52	4.02	4.00	5.2	
CE	16/2/2024	Cloudy	16:49	8.8	4.4	20.13	20.21	8.27	8.27	32.12	32.24	89.90	89.25	6.78	6.75	2.58	277	4.3	
	16/2/2024	Cioudy	16:50	8.8	4.4	20.28	20.21	8.26	0.21	32.36	32.24	88.60	09.25	6.71	6.75	2.95	2.11	4.0	1
	19/2/2024	Cloudy	17:42	8.9	4.5	20.89	20.93	8.77	8.82	31.82	31 79	86.10	86.85	6.56	6.58	2.34	2.39	3.6	
	19/2/2024	Cioudy	17:43	8.9	4.5	20.97	20.93	8.87	0.02	31.76	31.79	87.60	00.00	6.60	0.30	2.43	2.39	3.2	
	22/2/2024	Cloudy	12:16	8.6	4.3	21.61	21.68	8.19	8.21	31.86	31.92	88.90	89.50	6.66	669	3.13	3.11	2.2	
	22/2/2024	Cioudy	12:17	8.6	4.3	21.74	21.00	8.23	0.21	31.97	31.52	90.10	05.30	6.72	0.03	3.09	3.11	2.4	
	24/2/2024	Cloudy	11:44	8.6	4.3	20.32	20.40	8.47	8.49	32.44	32.41	87.10	86.80	6.64	6.62	2.62	2.71	1.6	
	24/2/2024	Cioudy	11:45	8.6	4.3	20.47	20.40	8.50	0.43	32.37	32.41	86.50	00.00	6.60	0.02	2.79	2.71	1.5	
	26/2/2024	Cloudy	12:24	8.5	4.3	20.06	20.02	7.70	7 69	32.68	32 73	90.70	90.15	6.85	6.81	3.90	3.80	3.0	
	20/2/2024	Cidudy	12:25	8.5	4.3	19.98	20.02	7.68	7.09	32.77	32.13	89.60	au. 15	6.77	0.01	3.69	3.00	2.8	
	28/2/2024	Cloudy	13:24	8.6	4.3	19.60	19 69	8.69	8.70	32.56	32.51	90.20	89.10	6.81	6.79	3.62	3.57	2.1	
	20/2/2024	Cioudy	13:25	8.6	4.3	19.78	10.00	8.70	0.70	32.46	32.31	88.00	05.10	6.76	0.75	3.52	3.37	2.3	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station CE (Middle) - Flood Tide

	Sampling		Sampling	Water	Sampling	Tempe	erature	p	Н	Sal	inity	DO Sa	turation	D	0	Turl	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	٩	С			р			%	mg			TU	n	ng/L
	Date		TIIIIO	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	11:16	8.2	4.1	20.49	20.54	7.76	7.74	33.10	33.10	88.00	87.20	6.66	6.60	3.26	3.23	2.1	
	DDIOL4	Gloddy	11:17	8.2	4.1	20.58	20.04	7.71	7.74	33.09	00.10	86.40	07.20	6.53	0.00	3.19	0.20	2.2	
	5/2/2024	Cloudy	13:52	8.4	4.2	20.57	20.58	7.79	7.74	32.36	32.32	89.70	89.90	6.78	6.79	2.33	2.42	1.5	
	0/2/2024	Gloddy	13:53	8.4	4.2	20.59	20.00	7.68	7.74	32.27	02.02	90.10	05.50	6.80	0.70	2.51	2.42	1.7	
	7/2/2024	Cloudy	13:29	8.7	4.4	20.15	20.18	8.05	8.02	32.27	32.15	87.20	86.80	6.66	6.63	3.63	3.55	3.3	
	11212024	Gloudy	13:30	8.7	4.4	20.20	20.10	7.98	0.02	32.03	02.10	86.40	00.00	6.59	0.00	3.47	0.00	3.8	
	9/2/2024	Cloudy	8:23	8.5	4.3	18.31	18.25	8.12	8.11	25.73	25.79	83.10	83.40	6.18	6.21	3.63	3.60	3.7	
	0/2/2024	Gloddy	8:24	8.5	4.3	18.19	10.20	8.10	0.11	25.84	20.70	83.70	00.40	6.24	0.1.	3.57	0.00	3.4	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no mar	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	10:18	8.3	4.2	19.21	19.22	7.77	7 79	32.61	32.71	86.10	86.00	6.73	6.69	5.15	5.11	7.0	- 6
CE	14/2/2024	Suriny	10:19	8.3	4.2	19.22	19.22	7.80	7.79	32.81	32./1	85.90	00.00	6.64	0.09	5.07	5.11	6.7	٠ ،
CE	16/2/2024	Cloudy	11:17	8.4	4.2	20.06	20.13	8.23	8.23	32.55	32 60	88.50	89.50	6.70	6.78	2.66	2.59	4.3	4
	10/2/2024	Cioudy	11:18	8.4	4.2	20.19	20.13	8.23	0.23	32.65	32.00	90.50	05.30	6.85	0.70	2.52	2.38	4.0	
	19/2/2024	Cloudy	9:57	8.5	4.3	20.97	21.03	8.75	8.78	32.75	32.70	86.20	86.05	6.51	6.49	2.58	2.53	3.2	3
	19/2/2024	Cloudy	9:58	8.5	4.3	21.09	21.03	8.81	0.70	32.65	32.70	85.90	00.00	6.46	0.49	2.47	2.53	2.9	,
	22/2/2024	Cloudy	15:09	8.7	4.4	21.55	21 61	8.20	8 21	31.69	31.75	89.20	88.80	6.60	6.58	2.46	2 42	2.2	2
	22/2/2024	Cloudy	15:10	8.7	4.4	21.67	21.01	8.21	0.21	31.80	31.73	88.40	00.00	6.55	0.50	2.37	2.42	2.4	_
	24/2/2024	Cloudy	8:21	8.3	4.2	20.52	20.56	8.57	8 49	32.22	32.21	83.30	84.25	6.43	6.50	2.17	2 13	1.9	1
	24/2/2024	Cioudy	8:22	8.3	4.2	20.60	20.50	8.40	0.45	32.19	32.21	85.20	04.23	6.57	0.50	2.08	2.10	1.7	'
	26/2/2024	Cloudy	8:13	8.2	4.1	19.84	19.82	8.78	8.78	32.38	32 43	88.20	84.90	6.98	6.74	4.39	4 29	3.3	3
	20/2/2024	Cloudy	8:14	8.2	4.1	19.80	15.02	8.78	0.70	32.47	32.43	81.60	04.50	6.49	0.74	4.18	4.25	3.5	
	28/2/2024	Cloudy	8:59	8.4	4.2	19.74	19.75	8.72	8.72	32.08	32 13	87.00	87.30	6.66	6.69	4.07	4.03	1.6	-
	20/2/2024	Cidudy	9:00	8.4	4.2	19.75	19.75	8.72	0.12	32.17	32.13	87.60	37.30	6.71	0.09	3.98	4.03	1.7	1 '

Impact Water Quality Monitoring at Station CE (Bottom) - Ebb Tide

Station Reference	Sampling	Weather	Sampling	Water Depth	Sampling Depth		erature C	P	H		inity	DO Sa		D			oidity		SS
Station Reference	Date	vv eatrier	Time				AVG	Value	AVG		AVG	Value 9	6 AVG	Value	AVG	Value	TU AVG		g/L AVG
				m	m		AVG		AVG		AVG		AVG		AVG		AVG		
	2/2/2024	Cloudy	16:37	8.5	7.5	21.27	21.33	7.99	7.94	32.08	32.04	93.30	93.50	6.85	6.87	3.24	3.30	2.5	2.
			16:38	8.5	7.5	21.38		7.89		32.00		93.70				3.36			-
	5/2/2024	Cloudy	17:38	8.8	7.8	20.67	20.74	7.82	7.81	32.79	32.83	93.20	92.80	6.95	8.42	2.10	2.15	1.9	1.
			17:39	8.8	7.8	20.80		7.80		32.87		92.40		9.89		2.20		1.6	
	7/2/2024	Cloudy	11:30	8.5	7.5	20.26	20.27	7.85	7.91	32.17	32.11	84.20	84.25	6.31	6.31	4.73	4.78	4.4	4.
		,	11:31	8.5	7.5	20.27		7.97		32.05		84.30		6.31		4.83		4.4	
	9/2/2024	Cloudy	11:17	8.8	7.8	18.18	18.11	8.19	8.18	26.07	26.03	83.00	82.85	6.20	6.20	3.12	3.09	4.1	3.
		,	11:18	8.8	7.8	18.03		8.16		25.99		82.70		6.19		3.06		3.7	
	12/2/2024						Mor	nitoring was	cancelled di	ue to no ma	ine works d	uring CNY h	oliday						
	14/2/2024	Sunny	14:47	8.7	7.7	19.37	19.27	7.80	7.80	32.60	32.68	80.40	80.75	6.38	6.41	4.69	4.56	4.9	4.
CE	14/2/2024	Suriny	14:48	8.7	7.7	19.16	19.27	7.79	7.00	32.75	32.00	81.10	00.75	6.43	0.41	4.43	4.30	4.5	
CE	16/2/2024	Cloudy	16:52	8.8	7.8	20.20	20.29	8.27	8.28	32.59	32.64	83.90	84.25	6.46	6.49	2.37	2.48	3.3	3
	10/2/2024	Cioudy	16:53	8.8	7.8	20.37	20.29	8.29	0.20	32.69	32.04	84.60	04.23	6.51	0.49	2.59	2.40	3.0	3
			17:45	8.9	7.9	21.30		8.88		31.53		84.10		6.47		2.07		2.8	2
	19/2/2024	Cloudy	17:46	8.9	7.9	21.13	21.22	8.92	8.90	31.63	31.58	83.80	83.95	6.42	6.45	1.99	2.03	2.6	
			12:19	8.6	7.6	21.58		8.20	8 19	31.49		87.90		6.62		2.19		2.8	3
	22/2/2024	Cloudy	12:20	8.6	7.6	21.53	21.56	8.17	8.19	31.61	31.55	88.20	88.05	6.64	6.63	2.29	2.24	3.1	3.
			11:47	8.6	7.6	20.24		8.36		32.09		81.40		6.37		3.08		1.8	
	24/2/2024	Cloudy	11:48	8.6	7.6	20.19	20.22	8.45	8.41	32.25	32.17	82.70	82.05	6.45	6.41	3.12	3.10	1.8	1
			12-27	8.5	7.5	19.87		7.68		32.32		88.10		6.99		3.40		2.6	_
	26/2/2024	Cloudy	12:28	8.5	7.5	19.94	19.91	7.64	7.66	32.27	32.30	81.60	84.85	6.43	6.71	3.28	3.34	2.4	2
			13:27	8.6	7.6	19.59		8.73		32.49		81.90		6.47		3.18		2.8	
	28/2/2024	Cloudy	13:28	8.6	7.6	19.64	19.62	8.68	8.71	32.48	32.49	81.20	81.55	6.44	6.46	3.09	3.14	2.5	2

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Impact Water Quality Monitoring at Station CE (Bottom) - Flood Tide

Station Reference	Sampling	Weather	Sampling	Water	Sampling Depth	Tempe			Н	Sali	,		turation %		0		bidity TU		SS ng/L
Station Reference	Date	vv eatrier	Time	m	m		AVG	Value	AVG	Value p	AVG		% AVG	Value	g/L AVG		AVG	Value	AVG
			11:19	8.2	7.2	20.46		7.59		32.37		91.00		6.88		2.54		4.4	
	2/2/2024	Cloudy	11:20	8.2	7.2	20.40	20.54	7.71	7.65	32.25	32.31	90.20	90.60	6.81	6.85	2.64	2.59	1.6	
	F 10 10 0 0 4	01. 1	13:55	8.4	7.4	20.68	20.58	7.95	7.88	32.19	32.24	85.60	04.05	6.60	6.56	2.04	2.09	1.4	1.5
	5/2/2024	Cloudy	13:56	8.4	7.4	20.47	20.58	7.81	7.88	32.28	32.24	83.70	84.65	6.52	6.56	2.13	2.09	1.6	1.0
	7/2/2024	Cloudy	13:32	8.7	7.7	20.31	20.21	8.17	8.08	31.69	31.60	84.80	84.10	6.48	6.44	3.59	3.72	4.4	3.8
	1/2/2024	Cioudy	13:33	8.7	7.7	20.10	20.21	7.99	0.00	31.50	31.00	83.40	04.10	6.39	0.44	3.84	3.12	3.2	3.0
	9/2/2024	Cloudy	8:26	8.5	7.5	18.27	18.28	8.15	8.16	25.95	25.90	83.70	83.20	6.25	6.20	3.59	3.66	2.8	3.0
	8/2/2024	Cloudy	8:27	8.5	7.5	18.29	10.20	8.16	0.10	25.84	23.50	82.70	03.20	6.14	0.20	3.72	3.00	3.2	0.0
	12/2/2024						Мо	nitoring was	cancelled d	ue to no mar	ine works di	uring CNY h	oliday						
	14/2/2024	Sunny	10:21	8.3	7.3	19.18	19.23	7.79	7 79	32.98	32.96	81.60	80.85	6.42	6.38	4.93	5.03	5.6	5.8
CE	14/2/2024	Suriny	10:22	8.3	7.3	19.27	19.23	7.78	1.10	32.94	32.50	80.10	00.00	6.34	0.30	5.12	3.03	6.0	0.0
CL	16/2/2024	Cloudy	11:20	8.4	7.4	19.97	20.04	8.24	8.25	32.39	32.43	86.20	86.55	6.65	6.68	3.09	3.08	3.3	3.2
	10/2/2024	Oloddy	11:21	8.4	7.4	20.10	20.04	8.26	0.20	32.47	02.40	86.90	00.00	6.70	0.00	3.06	0.00	3.0	
	19/2/2024	Cloudy	10:00	8.5	7.5	20.97	20.92	8.90	8.83	31.95	31.92	90.10	90.40	6.77	6.79	1.95	1.87	2.6	
		,	10:01	8.5	7.5	20.86		8.76	0.00	31.88		90.70		6.80		1.79		2.4	
	22/2/2024	Cloudy	15:12	8.7	7.7	21.58	21.52	8.26	8.24	32.07	32.04	85.30	84.90	6.49	6.46	2.19	2.25	1.8	
			15:13	8.7	7.7	21.45		8.21		32.01		84.50		6.42		2.30		1.9	
	24/2/2024	Cloudy	8:24	8.3	7.3	20.47	20.42	8.63	8.61	32.28	32.33	82.10	82.65	6.36	6.39	2.66	2.77	2.1	
			8:25	8.3	7.3	20.37		8.59		32.37		83.20		6.42		2.88		2.2	
	26/2/2024	Cloudy	8:16	8.2	7.2	19.72	19.79	8.69	8.74	32.70	32.63	92.50	89.50	6.96	6.77	4.02	4.12	2.6	
			8:17 9:02	8.2 8.4	7.2 7.4	19.85 19.75		8.78 8.75		32.56 32.64		86.50 83.80		6.58		4.22		2.8	
	28/2/2024	Cloudy					19.72	8.75 8.72	8.74		32.61	83.80	83.15	6.48	6.45	4.08	4.10	1.4	
	ı		9:03	8.4	7.4	19.68		8.72		32.57		82.50		6.42		4.12		1.4	1

Impact Water Quality Monitoring at Station CF (surface) - Ebb Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sal	inity	DO Sa	turation	D	0	Turt	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	0	С			р			%	mo			TU	m	ng/L
	Duic		11110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	17:59	8.5	1.0	21.18	21.27	7.83	7.82	32.30	32.29	89.70	89.95	6.78	6.81	2.10	2.24	2.6	
	2/2/2024	Cioudy	18:00	8.5	1.0	21.35	21.27	7.80	7.02	32.27	32.25	90.20	05.50	6.83	0.01	2.37	2.24	2.3	•
	5/2/2024	Cloudy	18:57	8.8	1.0	20.19	20.27	7.91	7 90	32.78	32.85	91.90	92.15	6.92	6.91	2.25	2.34	1.6	
	3/2/2024	Cioudy	18:58	8.8	1.0	20.35	20.21	7.88	7.50	32.92	32.03	92.40	52.15	6.89	0.51	2.43	2.54	1.4	
	7/2/2024	Cloudy	9:55	8.3	1.0	20.51	20.60	8.13	8 15	32.64	32.62	87.70	88.30	6.62	6.66	4.82	4 93	4.9	
	112/2024	Cioudy	9:56	8.3	1.0	20.69	20.00	8.17	0.13	32.60	32.02	88.90	00.30	6.70	0.00	5.04	4.53	5.2	,
	9/2/2024	Cloudy	12:39	8.8	1.0	18.87	18.83	8.11	8.13	25.60	25.54	82.80	82.90	6.20	6.22	2.93	2.94	3.0	1
	3/2/2024	Cioudy	12:40	8.8	1.0	18.79	10.03	8.15	0.13	25.47	23.34	83.00	02.50	6.23	0.22	2.94	2.54	2.8	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no mar	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	16:06	8.7	1.0	19.45	19.49	7.79	7.82	33.07	33.04	90.20	89.70	6.95	6.91	5.28	5.24	7.7	
CF	14/2/2024	Suriny	16:07	8.7	1.0	19.53	19.49	7.85	1.02	33.01	33.04	89.20	69.70	6.87	0.91	5.19	5.24	7.3	
CF	16/2/2024	Cloudy	18:09	8.9	1.0	21.10	21 04	8.19	8.20	32.36	32.39	89.00	90.35	6.81	6.84	2.37	2 43	3.9	
	10/2/2024	Cioudy	18:10	8.9	1.0	20.97	21.04	8.21	0.20	32.41	32.35	91.70	50.33	6.86	0.04	2.49	2.40	3.6	
	19/2/2024	Cloudy	19:02	8.9	1.0	20.88	20.88	8.63	8.71	32.08	32.06	88.90	89.80	6.81	6.84	2.06	2.04	4.2	
	13/2/2024	Cioudy	19:03	8.9	1.0	20.88	20.00	8.78	0.71	32.04	32.00	90.70	05.00	6.87	0.04	2.02	2.04	3.8	
	22/2/2024	Cloudy	10:45	8.4	1.0	21.27	21.31	7.56	7.59	31.67	31.72	91.20	92.25	6.80	6.86	2.18	2.22	4.2	
	22/2/2024	Cioudy	10:46	8.4	1.0	21.34	21.31	7.62	7.55	31.77	31.72	93.30	52.25	6.92	0.00	2.26	2.22	4.4	
	24/2/2024	Cloudy	13:07	8.7	1.0	20.31	20.26	8.39	8.48	31.69	31.67	89.10	88.70	6.84	6.82	4.08	4 14	1.2	
	24/2/2024	Cioudy	13:08	8.7	1.0	20.20	20.20	8.57	0.40	31.65	31.07	88.30	00.70	6.79	0.02	4.19	4,14	1.1	
	26/2/2024	Cloudy	13:48	8.5	1.0	19.84	19 79	8.87	8.83	32.47	32.52	88.10	88.10	6.91	6.89	2.98	3.01	1.4	
	20272024	Sidudy	13:49	8.5	1.0	19.73	15.75	8.79	0.00	32.56	32.32	88.10	30.10	6.86	0.03	3.03	3.01	1.2	
	28/2/2024	Cloudy	14:48	8.6	1.0	19.76	19.73	8.73	8.77	32.03	32.10	89.40	87.55	6.97	6.82	4.17	4.22	1.3	
	20/2/2024	Sibudy	14:49	8.6	1.0	19.69	19.75	8.80	0.77	32.17	32.10	85.70	37.33	6.66	0.02	4.26	4.22	1.5	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station CF (surface) - Flood Tide

	Sampling		Sampling	Water	Sampling		erature	P	Н	Sa	linity	DO Sa	turation	0	00	Turl	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	٩	С			p	pt	9	6	m		N'	TU	m	ng/L
	Date		1 11110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	9:45	8.1	1.0	20.66	20.59	7.78	7.79	31.99	32 04	91.90	92.30	6.84	6.86	2.58	2.48	1.3	1.3
	DDZ0Z4	Gloudy	9:46	8.1	1.0	20.51	20.00	7.80	1.70	32.08	02.04	92.70	02.00	6.88	0.00	2.37	2.40	1.2	
	5/2/2024	Cloudy	12:23	8.3	1.0	20.39	20.46	7.95	7.88	32.69	32 73	87.70	87.45	6.72	6.71	2.60	2 71	1.4	1.4
	0/2/2024	Cioday	12:24	8.3	1.0	20.52	20.40	7.81	7.00	32.77	02.70	87.20	01.40	6.69	0.71	2.81	2.71	1.4	
	7/2/2024	Cloudy	10:54	8.8	1.0	20.43	20.50	8.02	8.06	32.40	32 39	90.90	91.05	6.86	6.87	4.73	4 78	6.0	6.3
	1/2/2024	Cioudy	10:55	8.8	1.0	20.57	20.50	8.09	0.00	32.37	32.35	91.20	31.03	6.88	0.07	4.82	4.70	6.6]
	9/2/2024	Cloudy	6:49	8.4	1.0	18.36	18.28	8.11	8.10	25.07	25.17	84.80	84.60	6.27	6.24	4.38	4.47	4.2	4.0
	3/2/2024	Cioudy	6:50	8.4	1.0	18.20	10.20	8.09	0.10	25.27	23.17	84.40	04.00	6.21	0.24	4.55	4.47	3.8	1
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works di	iring CNY h	oliday						
	14/2/2024	Sunny	8:45	8.4	1.0	19.31	19.30	7.66	7.66	32.50	32 45	90.10	89.15	6.95	6.92	3.74	3.87	7.4	7.3
CF	14/2/2024	Suriny	8:46	8.4	1.0	19.29	19.30	7.65	7.00	32.39	32.43	88.20	69.15	6.88	0.92	3.99	3.01	7.2	1 7.3
CF	16/2/2024	Cloudy	9:45	8.5	1.0	20.20	20.26	8.17	8.22	32.28	32.30	90.20	89.80	6.99	6.94	3.42	3.49	3.9	3.8
	10/2/2024	Cioudy	9:46	8.5	1.0	20.31	20.20	8.27	0.22	32.32	32.30	89.40	05.00	6.89	0.54	3.55	3.45	3.6	3.0
	19/2/2024	Cloudy	8:30	8.4	1.0	21.26	21.27	8.85	8.88	31.57	31.49	89.00	88.10	6.78	6.73	2.59	2.68	3.3	3.2
	19/2/2024	Cloudy	8:31	8.4	1.0	21.27	21.21	8.91	0.00	31.41	31.49	87.20	00.10	6.68	6.73	2.77	2.00	3.0	3.2
	22/2/2024	Cloudy	16:38	8.7	1.0	21.39	21.47	8.20	8.24	31.74	31 70	91.00	90.40	6.78	6.74	2.18	2 10	2.2	2.3
	22/2/2024	Cioudy	16:39	8.7	1.0	21.55	21.47	8.27	0.24	31.65	31.70	89.80	30.40	6.70	0.74	2.01	2.10	2.4	2.3
	24/2/2024	Cloudy	6:50	8.3	1.0	20.40	20.38	8.35	8.28	30.95	30.87	88.30	89.20	6.69	6.73	2.99	3.09	2.3	2.2
	24/2/2024	Cloudy	6:51	8.3	1.0	20.35	20.30	8.20	0.20	30.79	30.07	90.10	69.20	6.77	6.73	3.18	3.09	2.1	1
	26/2/2024	Cloudy	7:05	8.0	1.0	19.36	19.32	8.79	8.81	32.72	32.67	88.60	89.40	6.78	6.88	3.62	3.70	3.0	3.1
	20/2/2024	Cidudy	7:06	8.0	1.0	19.27	19.32	8.82	0.01	32.62	32.07	90.20	09.40	6.98	0.00	3.78	3.70	3.2	3.1
	28/2/2024	Cloudy	7:25	8.2	1.0	19.93	19.91	8.84	8.81	32.47	32.49	93.10	92.90	6.88	6.87	3.64	3.73	2.0	2.2
	20/2/2024	Cidudy	7:26	8.2	1.0	19.88	19.91	8.78	0.01	32.50	32.49	92.70	32.90	6.86	0.07	3.82	3./3	2.4	2.2

Impact Water Quality Monitoring at Station CF (Middle) - Ebb Tide

	Sampling		Sampling	Water	Sampling	Temp	erature	F	Н	Sal	linity	DO Sa	turation		0	Turk	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	0	С			l p	pt		%	m	g/L	N'	TU	m	ıg/L
	Date		TITLE	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	18:03	8.5	4.3	21.66	21.70	7.73	7.80	32.36	32.32	89.10	88.95	6.75	6.72	2.42	2.33	1.8	
	DDEOLY	Oloudy	18:04	8.5	4.3	21.73	21.70	7.86	1.00	32.27	02.02	88.80	00.00	6.69	0.72	2.23	2.00	1.9	
	5/2/2024	Cloudy	19:01	8.8	4.4	20.27	20.29	7.80	7 84	32.37	32.31	87.30	87.95	6.67	6.70	2.46	2 43	2.1	2.2
		,	19:02	8.8	4.4	20.31		7.88		32.24		88.60	0.1.00	6.72		2.40		2.3	
	7/2/2024	Cloudy	9:59	8.3	4.2	20.73	20.62	8.09	8 11	32.22	32 12	93.20	92.60	6.87	6.83	4.61	4.54	4.8	
		,	10:00	8.3	4.2	20.50		8.12		32.01		92.00		6.79	0.00	4.47		5.7	
	9/2/2024	Cloudy	12:43	8.8	4.4	18.85	18.80	8.17	8.16	25.80	25.86	80.20	81.70	6.17	6.21	2.82	2.79	3.4	
			12:44	8.8	4.4	18.75		8.14		25.91		83.20		6.25		2.75		3.7	
	12/2/2024						Mo	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	16:10	8.7	4.4	19.43	19 41	7.84	7.82	32.99	32.98	87.00	87.45	6.79	6.82	5.27	5.33	7.0	6.9
CF	14/2/2024	Suriny	16:11	8.7	4.4	19.39	10.41	7.80	7.02	32.97	32.80	87.90	07.43	6.84	0.02	5.38	3.33	6.7	0.5
OI .	16/2/2024	Cloudy	18:13	8.9	4.5	20.73	20.71	8.24	8.25	32.35	32.36	89.10	89.80	6.74	6.76	2.86	2.91	3.4	3.2
	10/2/2024	Oloudy	18:14	8.9	4.5	20.68	20.71	8.25	0.20	32.36	02.00	90.50	05.00	6.78	0.70	2.96	2.01	3.0	
	19/2/2024	Cloudy	19:06	8.9	4.5	20.63	20.60	8.79	8.75	32.30	32.24	87.60	87.05	6.77	6.75	2.19	2.11	3.4	
	TOTETEGET	Oloudy	19:07	8.9	4.5	20.57	20.00	8.70	0.70	32.17	02.24	86.50	01.00	6.72	0.70	2.03	2.11	3.7	
	22/2/2024	Cloudy	10:47	8.4	4.2	21.30	21.31	7.63	7.62	31.47	31 49	94.40	93.60	6.98	6.93	2.25	2.27	3.8	
		,	10:48	8.4	4.2	21.31		7.60		31.50		92.80		6.87		2.28		3.5	
	24/2/2024	Cloudy	13:11	8.7	4.4	20.26	20.26	8.41	8.48	31.57	31.52	86.60	86.25	6.54	6.52	2.89	2.81	1.2	
			13:12	8.7	4.4	20.26		8.55		31.47		85.90		6.50		2.72		1.4	
	26/2/2024	Cloudy	13:52	8.5	4.3	19.81	19.87	8.80	8.75	32.76	32.81	88.30	88.00	6.98	6.94	3.13	3.08	1.9	
		,	13:53	8.5	4.3	19.93		8.69		32.86	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	87.70	,	6.90		3.02		1.7	
	28/2/2024	Cloudy	14:52	8.6	4.3	19.84	19.83	8.73	8.74	31.98	31.98	90.50	92.00	6.89	6.93	4.57	4.47	1.9	
		,	14:53	8.6	4.3	19.81		8.74		31.97		93.50		6.96		4.36		1.7	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station CF (Middle) - Flood Tide

	Sampling		Sampling	Water	Sampling	Tempe	erature	Р	Н	Sal	inity	DO Sa	turation	D	00	Turl	bidity		SS
Station Reference	Date	Weather	Time	Depth	Depth	٥,	С			р	pt		%	m	g/L	N'	TU	m	ng/L
	Date		TIIIIO	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	9:49	8.1	4.1	20.72	20.68	7.75	7.75	32.25	31.82	93.40	92.80	6.98	6.92	3.08	3 18	1.6	
	DEFECT	Gloddy	9:50	8.1	4.1	20.63	20.00	7.75	7.70	31.39	01.02	92.20	02.00	6.85	0.02	3.27	0.10	1.8	
	5/2/2024	Cloudy	12:27	8.3	4.2	20.51	20.49	7.83	7.82	32.85	32 79	89.60	89.15	6.77	6.76	2.60	2.54	1.7	
		,	12:28	8.3	4.2	20.46		7.80		32.73		88.70		6.75		2.47		1.9	
	7/2/2024	Cloudy	10:58	8.8	4.4	20.36	20.36	8.10	8.06	32.30	32 32	87.30	87.75	6.72	6.75	4.78	4 69	6.0	
	11212024	Gloddy	10:59	8.8	4.4	20.35	20.00	8.01	0.00	32.33	02.02	88.20	01.10	6.77	0.70	4.59	4.00	5.3	
	9/2/2024	Cloudy	6:53	8.4	4.2	18.25	18.37	8.10	8.11	25.74	25.80	82.80	82.90	6.16	6.17	3.55	3.51	3.6	
	0/2/2024	Gloddy	6:54	8.4	4.2	18.48	10.01	8.12	0.11	25.86	20.00	83.00	02.50	6.17	0.17	3.47	0.01	3.2	
	12/2/2024						Мо	nitoring was	cancelled di	ue to no mar	rine works di	uring CNY h	oliday						
	14/2/2024	Sunny	8:49	8.4	4.2	19.45	19.36	7.60	7 64	32.40	32.37	87.40	87.10	6.81	6.79	4.63	4.58	6.0	5.8
CF	14/2/2024	Julily	8:50	8.4	4.2	19.26	19.30	7.68	7.04	32.34	32.37	86.80	07.10	6.77	0.75	4.53	4.30	5.5	0.0
OI .	16/2/2024	Cloudy	9:49	8.5	4.3	20.18	20.11	8.25	8.22	32.71	32.63	88.00	87.20	6.71	6.66	3.36	3.28	3.4	3.2
	101212024	Gloddy	9:50	8.5	4.3	20.04	20.11	8.19	U.LL	32.55	02.00	86.40	07.20	6.61	0.00	3.19	0.20	3.0	
	19/2/2024	Cloudy	8:34	8.4	4.2	20.88	20.93	8.94	8.92	31.63	31.62	86.60	86.80	6.62	6.64	3.06	3 12	2.8	
	13/2/2024	Cloudy	8:35	8.4	4.2	20.97	20.53	8.90	0.52	31.60	31.02	87.00	00.00	6.66	0.04	3.17	3.12	2.6	2
	22/2/2024	Cloudy	16:42	8.7	4.4	21.52	21.50	8.19	8.22	31.99	31.98	84.30	83.85	6.46	6.38	1.67	1.62	1.9	1.8
	LEIZIZOET	Gloddy	16:43	8.7	4.4	21.47	21.00	8.25	0.22	31.97	01.00	83.40	00.00	6.29	0.00	1.57	1.02	1.7	
	24/2/2024	Cloudy	6:54	8.3	4.2	20.37	20.38	8.30	8.31	31.40	31 41	87.20	86.65	6.66	6.64	3.07	2.97	1.9	
		,	6:55	8.3	4.2	20.38		8.32		31.42	•	86.10		6.61		2.87		1.8	
	26/2/2024	Cloudy	7:09	8.0	4.0	19.50	19.53	8.80	8.80	32.80	32.84	83.50	86.10	6.56	6.76	3.56	3.52	2.8	
		2.Judy	7:10	8.0	4.0	19.56	. 0.00	8.79	0.00	32.87	32.04	88.70	30.10	6.95	0.70	3.47	0.02	2.7	
	28/2/2024	Cloudy	7:29	8.2	4.1	19.89	19.90	8.76	8.73	32.45	32.48	88.10	87.90	6.71	6.70	3.17	3.15	1.7	
		,	7:30	8.2	4.1	19.90		8.70		32.50		87.70		6.68		3.12		1.6	

Impact Water Quality Monitoring at Station CF (Bottom) - Ebb Tide

Station Reference	Sampling	Weather	Sampling	Water Depth	Sampling Depth		erature C		Н		inity	DO Sa			0		bidity	S	
Station Reference	Date	vveaurei	Time				AVG		AVG	р р	AVG	Value	% AVG		g/L AVG	Value	TU AVG	mo	a/L AVG
				m	m	Value	AVG	Value	AVG	Value	AVG		AVG		AVG		AVG		AVG
	2/2/2024	Cloudy	18:06	8.5	7.5	21.55	21.51	7.90	7.87	32.59	32.51	84.30	84.25	6.35	6.35	2.73	2.63	1.6	1.5
			18:07	8.5	7.5	21.47		7.84		32.42		84.20		6.34		2.53		1.4	
	5/2/2024	Cloudy	19:04	8.8	7.8	20.28	20.35	7.85	7.82	32.69	32.63	83.70	83.10	6.45	6.41	2.37	2.47	2.6	2.7
			19:05	8.8	7.8	20.41		7.78		32.56		82.50		6.37		2.57			
	7/2/2024	Cloudy	10:02	8.3	7.3	20.55	20.60	8.07	8.09	31.92	31.95	84.10	83.25	6.46	6.40	5.39	5.45	4.8	4.9
			10:03	8.3	7.3	20.64		8.10		31.98		82.40		6.33		5.51		4.9	
	9/2/2024	Cloudy	12:46	8.8	7.8	18.66	18.68	8.11	8.10	25.73	25.68	82.10	81.70	6.19	6.17	3.37	3.33	4.6	4.4
			12:47	8.8	7.8	18.69		8.09		25.62		81.30		6.14		3.28		4.2	
	12/2/2024						Mo	nitoring was	cancelled d	ue to no mar	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	16:13	8.7	7.7	19.42	19.52	7.80	7.80	32.87	32 84	83.20	83.75	6.50	6.55	5.13	5.05	6.4	6.3
CF	14/2/2024	Suriny	16:14	8.7	7.7	19.62	19.52	7.80	7.00	32.80	32.04	84.30	03.75	6.59	6.55	4.97	5.05	6.1	0.5
CF	16/2/2024	Cloudy	18:16	8.9	7.9	20.56	20.50	8.28	8.27	32.37	32.39	83.40	84.00	6.42	6.45	2.53	2.58	2.6	2.5
	16/2/2024	Cioudy	18:17	8.9	7.9	20.43	20.50	8.26	0.21	32.40	32.39	84.60	84.00	6.48	0.45	2.62	2.30	2.4	2.0
	19/2/2024	Cloudy	19:09	8.9	7.9	20.38	20.46	8.63	8.71	31.79	31.72	85.50	84.85	6.61	6.57	2.53	2.60	3.0	2.8
	19/2/2024	Cloudy	19:10	8.9	7.9	20.54	20.46	8.79	8.71	31.65	31.72	84.20	84.85	6.53	6.57	2.67	2.60	2.6	2.0
	22/2/2024	Cloudy	10:49	8.4	7.4	21.33	21.39	7.64	7.62	32.10	32.14	89.10	88.00	6.65	6.57	2.36	2.41	3.1	3.2
	22/2/2024	Cloudy	10:50	8.4	7.4	21.45	21.39	7.59	7.02	32.18	32.14	86.90	00.00	6.49	0.57	2.46	2.41	3.3	J.2
	24/2/2024	Cloudy	13:14	8.7	7.7	20.25	20.24	8.70	8 64	31.54	31.47	83.30	82.55	6.44	6.41	2.57	2 60	1.6	1.8
	24/2/2024	Cloudy	13:15	8.7	7.7	20.23	20.24	8.57	0.04	31.39	31.47	81.80	02.55	6.38	0.41	2.62	2.00	1.9	1.0
	26/2/2024	Cloudy	13:55	8.5	7.5	19.82	19.86	7.79	8.22	32.82	32.90	81.00	81.20	6.43	6.40	3.17	3.23	2.1	2.2
	20/2/2024	Cidudy	13:56	8.5	7.5	19.90	19.86	8.65	8.22	32.97	32.90	81.40	81.20	6.37	6.40	3.29	3.23	2.2	2.2
	28/2/2024	Cloudy	14:55	8.6	7.6	19.80	19.82	8.75	8.75	31.84	31.79	89.70	90.55	6.80	6.89	4.39	4.50	2.2	2.4
	20/2/2024	Cidudy	14:56	8.6	7.6	19.84	19.82	8.75	8.75	31.73	31.79	91.40	90.55	6.97	6.89	4.60	4.50	2.5	2.4

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

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Impact Water Quality Monitoring at Station CF (Bottom) - Flood Tide

	Sampling		Sampling	Water	Sampling		erature	P	Н	Sal	linity	DO Sa	turation	D	00	Turl	bidity	ę	SS
Station Reference	Date	Weather	Time	Depth	Depth		С				pt		%	m			TU		ng/L
	Date		11110	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
	2/2/2024	Cloudy	9:52	8.1	7.1	20.57	20.60	7.77	7.76	31.95	31.97	90.50	90.90	6.75	6.78	4.05	3.95	2.4	2.3
	2/2/2024	Cloudy	9:53	8.1	7.1	20.63	20.00	7.74	7.70	31.99	31.87	91.30	30.30	6.80	0.70	3.84	3.53	2.2	20
	5/2/2024	Cloudy	12:30	8.3	7.3	20.47	20.46	7.84	7.85	32.52	32.50	85.20	84.30	6.49	6.45	2.36	2 43	2.5	
	0/2/2024	Gloddy	12:31	8.3	7.3	20.45	20.40	7.85	7.00	32.48	02.00	83.40	04.00	6.41	0.40	2.49	2.40	2.2	24
	7/2/2024	Cloudy	11:01	8.8	7.8	20.42	20.37	8.17	8 10	32.19	32 10	83.30	83.10	6.39	6.38	3.92	4.00	4.0	4.3
	1122024	Gloudy	11:02	8.8	7.8	20.32	20.07	8.02	0.10	32.01	02.10	82.90	00.10	6.36	0.00	4.08	4.00	4.6	
	9/2/2024	Cloudy	6:56	8.4	7.4	18.52	18.56	8.13	8.12	25.46	25.43	83.20	83.35	6.17	6.21	3.32	3.39	2.4	2.6
	0/2/2024	Gloddy	6:57	8.4	7.4	18.60	10.00	8.10	0.12	25.40	20.40	83.50	00.00	6.25	0.11	3.45	0.00	2.7	
	12/2/2024						Мо	nitoring was	cancelled d	ue to no ma	rine works d	uring CNY h	oliday						
	14/2/2024	Sunny	8:52	8.4	7.4	19.20	19.25	7.69	7 71	32.48	32 50	82.80	82.00	6.42	6.38	4.97	4.88	4.8	4.6
CF	14/2/2024	Suriny	8:53	8.4	7.4	19.30	19.25	7.73	7.71	32.51	32.50	81.20	02.00	6.33	0.30	4.78	4.00	4.4	
CF	16/2/2024	Cloudy	9:52	8.5	7.5	20.19	20.10	8.21	8.19	32.69	32.75	84.90	84.50	6.50	6.47	2.68	2.80	2.6	2.5
	10/2/2024	Cioudy	9:53	8.5	7.5	20.00	20.10	8.17	0.15	32.80	32.73	84.10	04.50	6.43	0.47	2.91	2.00	2.4	2.5
	19/2/2024	Cloudy	8:37	8.4	7.4	20.88	20.89	8.99	8.98	31.56	31.64	87.20	86.60	6.65	6.63	2.77	2.73	2.4	2.3
	13/2/2024	Cioudy	8:38	8.4	7.4	20.89	20.05	8.96	0.30	31.71	31.04	86.00	00.00	6.61	0.03	2.68	2.73	2.1	20
	22/2/2024	Cloudy	16:45	8.7	7.7	21.40	21.43	8.24	8.26	31.78	31.82	87.70	88.05	6.55	6.60	1.25	1.22	1.5	1.4
	22/2/2024	Cioudy	16:46	8.7	7.7	21.46	21.40	8.28	0.20	31.86	31.02	88.40	00.00	6.64	0.00	1.18	1.22	1.3	1.74
	24/2/2024	Cloudy	6:57	8.3	7.3	20.27	20.31	8.27	8.28	31.54	31.52	81.50	80.80	6.28	6.27	2.38	2.47	1.5	1.5
	24/2/2024	Cloudy	6:58	8.3	7.3	20.35	20.31	8.29	0.20	31.49	31.32	80.10	00.00	6.25	0.27	2.56	2.47	1.4	1.0
	26/2/2024	Cloudy	7:12	8.0	7.0	19.53	19.60	8.79	8.79	32.75	32.82	87.70	85.40	6.79	6.64	3.84	3.79	2.4	2.3
	2012/2024	Sibudy	7:13	8.0	7.0	19.67	15.00	8.78	0.75	32.88	32.02	83.10	33.40	6.48	0.04	3.73	3.75	2.2	2.5
	28/2/2024	Cloudy	7:32	8.2	7.2	19.89	19.89	8.69	8.72	32.02	32 01	82.30	82 45	6.47	6.48	2.97	3.02	1.4	1.3
	20/2/2024	,	7:33	8.2	7.2	19.89		8.74	0.72	31.99	32.01	82.60	02.40	6.48	0.40	3.07	3.02	1.2	1.5

Appendix 4.5

Monthly Summary Waste Flow Table

Monthly Summary Waste Flow Table for 2024

	Ac	ctual Quantities	of Inert C&D	Material Gen	erated Monthl	y	Actu	al Quantities o	of C&D Wastes	Generated Mo	onthly
Month	Total Quantity Generated (a)	Hard Rocks and Large Broken Concrete (b)	Reused in the Contract (c)	Projects (d)	Disposed as Public Fill (a-b-c-d)	Imported Fill	Metals	Paper/card- board packaging	Plastics [see Note 3]	Chemical waste	Others. e.g. general refuse
	$(in '000m^3)$	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	$(in '000m^3)$	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)
Jan	1.68	0.00	0.00	0.00	1.68	0.00	0.00	0.00	0.00	0.00	8.63
Feb	0.18	0.00	0.00	0.00	0.18	0.00	8.16	0.04	0.00	0.00	17.86
Mar											
Apr											
May											
Jun											
Sub-total	1.86	0.00	0.00	0.00	1.86	0.00	8.16	0.04	0.00	0.00	26.49
July											
Aug											
Sept											
Oct											
Nov						_					_
Dec	_			_		_	_	_			_
Total	1.86	0.00	0.00	0.00	1.86	0.00	8.16	0.04	0.00	0.00	26.49

Notes:

- (1) The inert C&D material except slurry and bentonite are disposed at Mui Wo Temporary Public Fill Bank (MW-PFRF) or Tuen Mun Area 38 Fill Bank (TM38-FB)
- (2) The slurry and bentonite are disposed at Tseung Kwan O Area 137 Fill Bank (TKO137FB)
- (3) The non-inert waste is disposed at NENT or Outlying Islands Transfer Facilities
- (4) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- (5) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
- (6) Assume the density of fill material is 2 tonne/m3.

Appendix 6.1

Three Months Rolling Programme

KL-CW JV

Tentative Three Months Construction Rolling Program

Contract No.: DC/2020/02

Construction of San Shek Wan Sewage Treatment Works, Associated Submarine Outfall and Pui O Sewerage Works Reference No. : DC/2020/02

Revision No. : -

Construction Activities for the reporting period

Item	Construction Activities
1	Excavation, sewer laying, construction of manhole at Pui O Lo UkTsuen, South Lantau Road, Pui O Beach
2	Excavation and site formation at SSWSTW and POSPS
3	HDD works at marine
4	Removal works of ELS
5	ELS works
6	Superstructure RC Works

KL-CW JV

Tentative Three Months Construction Rolling Program

Contract No.: DC/2020/02

Construction of San Shek Wan Sewage Treatment Works, Associated Submarine Outfall and Pui O Sewerage Works Reference No. : DC/2020/02

Revision No. : -

Tentative Three Months (March, April and May2024) Construction Rolling Program

Item	Construction Activities
1	Excavation, sewer laying, construction of manhole at Pui O Lo UkTsuen, South Lantau Road, Pui O Beach
2	HDD works at marine
3	Dredging at marine
4	Site formation works
5	Drilling works
6	Excavation works
7	ELS works
8	Superstructure RC Works
9	Removal works of ELS