

Annex I

Investigation Report

Investigation Report of Environmental Non-Compliance

| | |
|--|--|
| Date | 20 December 2018 |
| Time | 11:30 a.m. |
| Monitoring Location | ORRC 1 Building 1 roof (Shown in Appendix A) |
| Weather | Fine |
| Parameter | Water quality (WPCO Effluent Discharge License attached as Appendix B) |
| Incident Description | <ol style="list-style-type: none"> 1. Concentrated sulphuric acid (98%) is used in two acid Chemical Scrubber of Central Air Pollution Control System (CAPCS) of the ORRC1. The sulphuric acid is stored in 2 places within the Facility, in which one is a bulk storage tank (approximate 7.63 m³) at ground floor and another is a day tank (approximate 0.64 m³) at the roof of Building 1. 2. On 20 December 2018 at around 11:00 a.m., OSCAR observed some liquid on the roof of Building 1 near the sulphuric acid day tank. After testing with pH paper, it was confirmed the liquid was concentrated sulphuric Acid. It was estimated about 2 litres of sulphuric acid leaked within the bund wall of H₂SO₄ day tank. 3. OSCAR immediately fenced off the area and used absorbents to remove the acid. Large amount of water was used to flush the area as final clean-up. |
| Action Taken / Action to be Taken See photos in Appendix B | <ol style="list-style-type: none"> 1. OSCAR immediately fenced off the area and used absorbents to remove the free acid. OSCAR also used sand bags to contain the area. The removal of free sulphuric acid was completed at around 12:00 noon. The area was cleaned up by flushing the area with large amount of water. 2. ET collected water sample at the stormwater terminal discharge point under the supervision of EPD project team's and ER's on 20 December 2018 at around 12:00 noon, and checked the pH using pH paper and the pH was approximate 1-2. A water sample was also sent to ALS for laboratory analysis. The analysis results (Appendix D) showed that it did not comply with the standards stipulated in the WPCO Effluent Discharge License. 3. OSCAR provided sand bags at the stormwater terminal discharge point to prevent the contaminated water getting into the DSD nullah, and arranged a vacuum tanker to pump the contaminated water in the stormwater drain back to the wastewater treatment plant of the Facility. OSCAR reported that water sample was taken at the last sump pit of stormwater channel within the site at around 6:00 p.m. and tested with pH paper and the pH was approximate 7. |

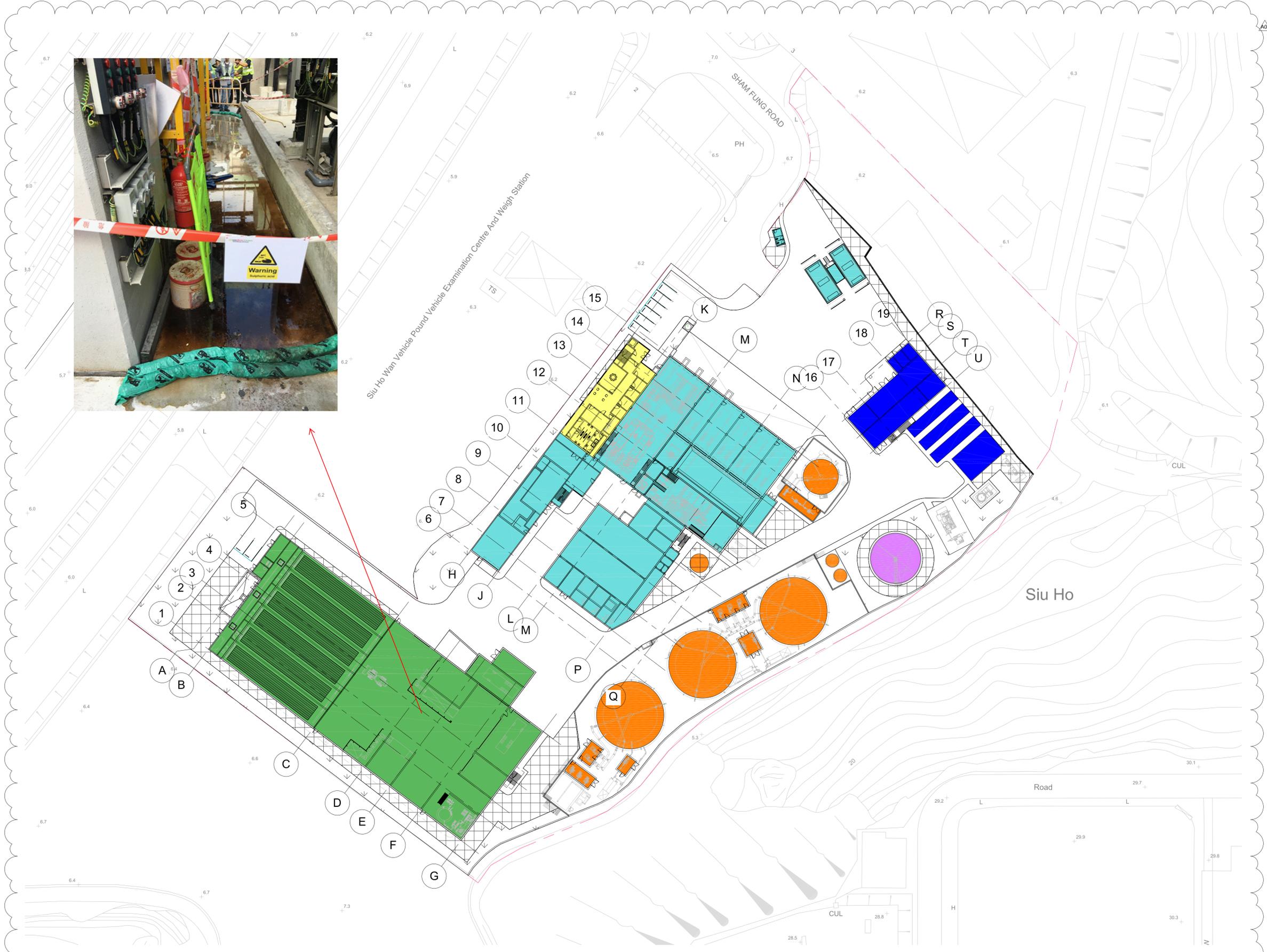
| | |
|---|--|
| | <ol style="list-style-type: none"> 4. ET collected another water sample at the stormwater terminal discharge point under the supervision of EPD project team's and ER's on 21 December 2018, and checked the pH using pH paper and the pH was 7, which complied with the standard of WPCO Effluent Discharge License. The official results were shown in Appendix D. 5. One of the potential reason for this incident may duo to the improper training to the workers of chemical spillage. OSCAR has conducted the training to relevant workers and staffs on properly clean up procedures for the chemical spillage. Training record was shown in Appendix E. 6. The level sensor in the H₂SO₄ day tank was fixed and the chemical dosing system was also completely checked on 21 Dec 2018. The system has been put back to operation on 22 December 2018. |
| <p>Remedial Works and Follow-up Actions</p> | <ol style="list-style-type: none"> 1. Chemical spill drill has been scheduled within January 2019 by OSCAR. 2. OSCAR will conduct the training regularly to relevant workers and staffs on properly clean up procedures for the chemical spillage. |

Prepared by: Leah Pak, ET Representatives

Date 9-January-2019

Appendix A

Project Layout



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

CLIENT
EP ENVIRONMENTAL PROTECTION DEPARTMENT
 GOVERNMENT OF THE HKSAR

CLIENT'S CONSULTANT
AECOM
 AECOM ASIA CO. LTD.

CONTRACTOR
SUEZ **SITA** **ATAL** **RosRoca**
 OSCAR BIOENERGY JV

LEAD DESIGNER
ARUP
 Ove Arup & Partners Hong Kong Limited

ENVIRONMENTAL TEAM
ERM
 ERM HONG KONG LIMITED

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

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

STATUS
 DRAFT ISSUE

DRAWING TITLE
 SITE LAYOUT

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

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

Appendix B

Effluent Discharge License

本署檔號
OUR REF: (8) in EP/RW/0000372289
來函檔號
YOUR REF:
電話
TEL NO. 2417 6064
圖文傳真
FAX NO. 2411 3073
電子郵件:
E-MAIL:
網址:
HOME PAGE: <http://www.epd.gov.hk>

**Environmental Protection Department
Environmental Compliance Division
Regional Office (West)**

8/F, Tsuen Wan Government Offices,
38 Sai Lau Kok Road,
Tsuen Wan, New Territories



環境保護署
環保法規管理科
區域辦事處(西)

新界荃灣西樓角路38號
荃灣政府合署8樓

BY REGISTERED POST

- 3 JUN 2016

SITA WASTE SERVICES LIMITED,
ATAL ENGINEERING LIMITED and
ROS-ROCA, SOCIEDAD ANONIMA jointly trading as
OSCAR BIOENERGY JOINT VENTURE
Room 702, 7/F., Lee Garden Two,
28 Yun Ping Road, Causeway Bay, Hong Kong.
Attn: Marshall TSOI

Dear Sir/Madam,

**Water Pollution Control Ordinance (Cap. 358)
North Western Water Control Zone
Issue of Licence**

I refer to your application received on 22 April 2016 for a licence made under Section 19 of the Water Pollution Control Ordinance ("the Ordinance"), Chapter 358, for the discharge/deposit from your premises as stated in your application. A licence pursuant to Section 20 is enclosed. Your attention is drawn to the details, terms and conditions subject to which the licence is granted. You should note, in particular, the stipulated sampling, treatment and disposal requirements and should also read the notes at the back of the licence.

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

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

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

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

Yours faithfully,

(LAM Ka-ho)

for Director of Environmental Protection

Encl.: Discharge Licence

掛號郵件

昇達廢料處理有限公司、
安樂工程有限公司 及
ROS-ROCA, SOCIEDAD ANONIMA 聯合經營的
OSCAR BIOENERGY JOINT VENTURE
香港 銅鑼灣 恩平道28號
利園二期 7/F 702室
經辦人: Marshall TSOI

先生／女士：

《水污染管制條例》(第358章) 西北部水質管制區 發出排污牌照事宜

你根據香港法例第 358 章《水污染管制條例》（「本條例」）第 19 條，於二零一六年四月二十二日就你的申請所述處所排放的污水／沉積物向本署遞交的牌照申請書已經收悉。現寄上根據本條例第 20 條簽發的牌照。請留意發出牌照的細節、條款及條件，尤須注意有關取樣、處理及排放等事宜的規定，另請細讀牌照背頁的附註。

獲簽發本牌照並不表示從你的處所排出的污水或污染物質已達到牌照所規定的排放限度。你必須採取必要措施，以確保符合牌照中的條款及條件。

請注意，任何人違反牌照的任何條文，均屬違法，可處罰款二十萬元及監禁六個月。

如你對牌照所載的條款及條件感到不滿，可於收到本牌照後 21 天內，按本條例第 29 條的規定，使用訂明的方式及表格，向上訴委員會遞交上訴通知書，提出上訴。

如有查詢，請致電 2417 6086 與本署羅銳雄 先生聯絡。

環境保護署署長
(林嘉豪 代行)

附件：排污牌照

二零一六年五月 日



Licence No. : WT00024352-2016
 牌照編號 : WT00024352-2016

This Licence is Valid to : 30/06/2021
 本牌照有效期至：二零二一年六月三十日

ENVIRONMENTAL PROTECTION DEPARTMENT
環境保護署

WATER POLLUTION CONTROL ORDINANCE (CAP. 358)

水污染管制條例(第358章)

LICENCE PURSUANT TO SECTION 15/20/23A*

按第15 / 20/ 23A*條簽發的牌照

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

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

- 3 JUN 2016

Date

日期

(LAM Ka-ho)

For the Authority

監督(林嘉豪 代行)

PART A 甲部 : GENERAL TERMS 一般條款

| | |
|--|--|
| Name of Licensee ("the Licensee") 持牌人名稱(「持牌人」) | SITA WASTE SERVICES LIMITED, ATAL ENGINEERING LIMITED and ROS-ROCA, SOCIEDAD ANONIMA jointly trading as OSCAR BIOENERGY JOINT VENTURE 昇達廢料處理有限公司、安樂工程有限公司及 ROS-ROCA, SOCIEDAD ANONIMA 聯合經營的 OSCAR BIOENERGY JOINT VENTURE |
| Discharge Premises ("the premises") 排放處所(「處所」) | Organic Waste Treatment Facilities Phase 1 at Sham Fung Road, Siu Ho Wan, North Lantau 北大嶼山小蠔灣深豐路有機資源回收中心第一期 |
| Water Control Zone 水質管制區 | North Western 西北部 |
| Discharge Category 排放種類 | Discharge of Industrial / Commercial / Institutional* Trade Effluent 工業/商業/機構* 污水排放 |
| Nature of Discharge and Wastewater Treatment Facilities 排放性質及廢水處理設施 | Effluent arising from organic waste treatment processes and other site facilities 由有機廢物處理工序及其他設施所產生的污水 Oil & grease removal, solids removal, ammonia removal and biological treatment 隔除油脂、隔除固體、除氨及生物處理 |
| Discharge Point(s) 排放點 | Communal foul sewer 公用污水渠 |
| Sampling Point(s) 取樣點 | Treated effluent storage tank 經處理污水的儲存缸 |

*Delete as appropriate
將不適用者刪去

PART B 乙部 : SPECIFIC CONDITIONS 特別條件

B1. Limitations on Discharge 排放限制

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

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

| Determinand 測量物 | Limit 限度 |
|---|----------|
| Flow Rate (m ³ / day) 流量 (立方米/日) | 685 |
| pH (pH units) 酸鹼值 (pH 單位) | 6-10 # |
| Suspended Solids 懸浮固體 | 800 |
| Biochemical Oxygen Demand (5 days, 20°C) 生化需氧量 (5 天, 20°C) | 800 |
| Chemical Oxygen Demand 化學需氧量 | 2000 |
| Oil & Grease 油脂 | 40 |
| Total Nitrogen 總氮 | 200 |
| Total Phosphorus 總磷 | 50 |
| Surfactants (total) 表面活性劑 (總量) | 25 |

Range 上下限

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

The Licensee shall perform self-monitoring as and when required by the Authority.

持牌人須在監督要求時進行自行監測。

The Licensee shall sample the discharge at the Sampling Point(s) and, at his own expense carry out analyses in accordance with the sample type and measurement frequency specified for each determinand named below:-

持牌人須在取樣點為排放抽取樣本，並依照下列指定的測量物、取樣形式及頻率，自資予以分析。

| Determinand 測量物 | Unit 單位 | Sample Type 取樣形式 | Frequency 頻率 |
|--|--------------|------------------|-------------------|
| pH (pH units) 酸鹼值 (pH 單位) | mg/L 毫克/升 | Grab 隨意取集 | Daily 每日 |
| Suspended Solids 懸浮固體 | mg/L 毫克/升 | Grab 隨意取集 | Monthly 每一個月一次 |
| Biochemical Oxygen Demand (5 days, 20°C) 生化需氧量 (5 天, 20°C) | mg/L 毫克/升 | Grab 隨意取集 | Monthly 每一個月一次 |
| Chemical Oxygen Demand 化學需氧量 | mg/L 毫克/升 | Grab 隨意取集 | Monthly 每一個月一次 |
| Oil & Grease 油脂 | mg/L 毫克/升 | Grab 隨意取集 | Monthly 每一個月一次 |
| Total Nitrogen 總氮 | mg/L 毫克/升 | Grab 隨意取集 | Monthly 每一個月一次 |
| Total Phosphorus 總磷 | mg/L 毫克/升 | Grab 隨意取集 | Monthly 每一個月一次 |
| Surfactants (total) 表面活性劑 (總量) | mg/L 毫克/升 | Grab 隨意取集 | Monthly 每一個月一次 |

Results of these monitoring shall be summarized in a report on a Monthly/~~Bi-monthly~~/~~Quarterly~~* basis and shall be submitted to the Authority:

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

*Delete as appropriate
將不適用者刪去

1. The Discharge 排放

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

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

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

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

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

不得將排放稀釋，以求達到本牌照內所訂的限度。

C2. Flow Measurement 量度流量

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

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

C3. Treatment 處理

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

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

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

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

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

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

C4. Disposal 棄置

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

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

C5. Monitoring 監測

C5.1 The Licensee shall provide and maintain suitable facility such as an inspection chamber, manhole or sampling valve at each Sampling Point to enable duly authorized officer(s) of the Authority to take samples of the discharge at any time from the premises.

持牌人須在每一個取樣點提供及保養適當的設施，例如檢查槽，沙井或取樣閘，以確保獲監督授權的人員隨時可在處所內抽取排放樣本。

C5.2 For self-monitoring, “grab samples” shall be taken during the period when the determinand to be analyzed for is likely to be present in its maximum concentration. “Composite samples” shall include samples taken over daily duration of the discharge.

在自行監測中，「隨意取集樣本」須在測量物的濃度很可能是最高的那段時間內抽取。「綜合樣本」須包含在每日排放期間不同時候所抽取的樣本。

C5.3 For self-monitoring, all samples shall be analyzed in accordance with the most updated analytical methods used by the Government Chemist ^(Note d).

在自行監測中，所有樣本均須按照政府化驗師所採用的最新分析方法予以分析 ^(附註 d)。

C6. Records and Reporting 紀錄及報告

C6.1 The Licensee shall keep the following records in the premises for inspection by duly authorized officer(s) of the Authority:

持牌人須在處所內保存下列紀錄，以備獲監督授權的人員隨時查閱：

- (i) records of flow rate, nature and composition of the discharge;
排放流量率、性質及成份的紀錄；
- (ii) updated records of all monitoring information, including all laboratory analytical results relating to samples taken, all original chart recordings for continuous flow and pH monitoring; and
所有最新監測資料的紀錄，包括所有關於已取樣本的檢驗分析結果、所有連續性流量及酸鹼值監測記錄圖表的正本；及
- (iii) records of all desludging and degreasing operation, and records of corresponding disposal operation.
所有清除污泥和清理隔油池廢物工序的紀錄，及其棄置工序的紀錄。

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

在監督要求時，須向監督呈交所有該等紀錄的副本。

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

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

C7. Operation Manual 操作手冊

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

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

C8. Notification of Change 更改通知

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

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

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

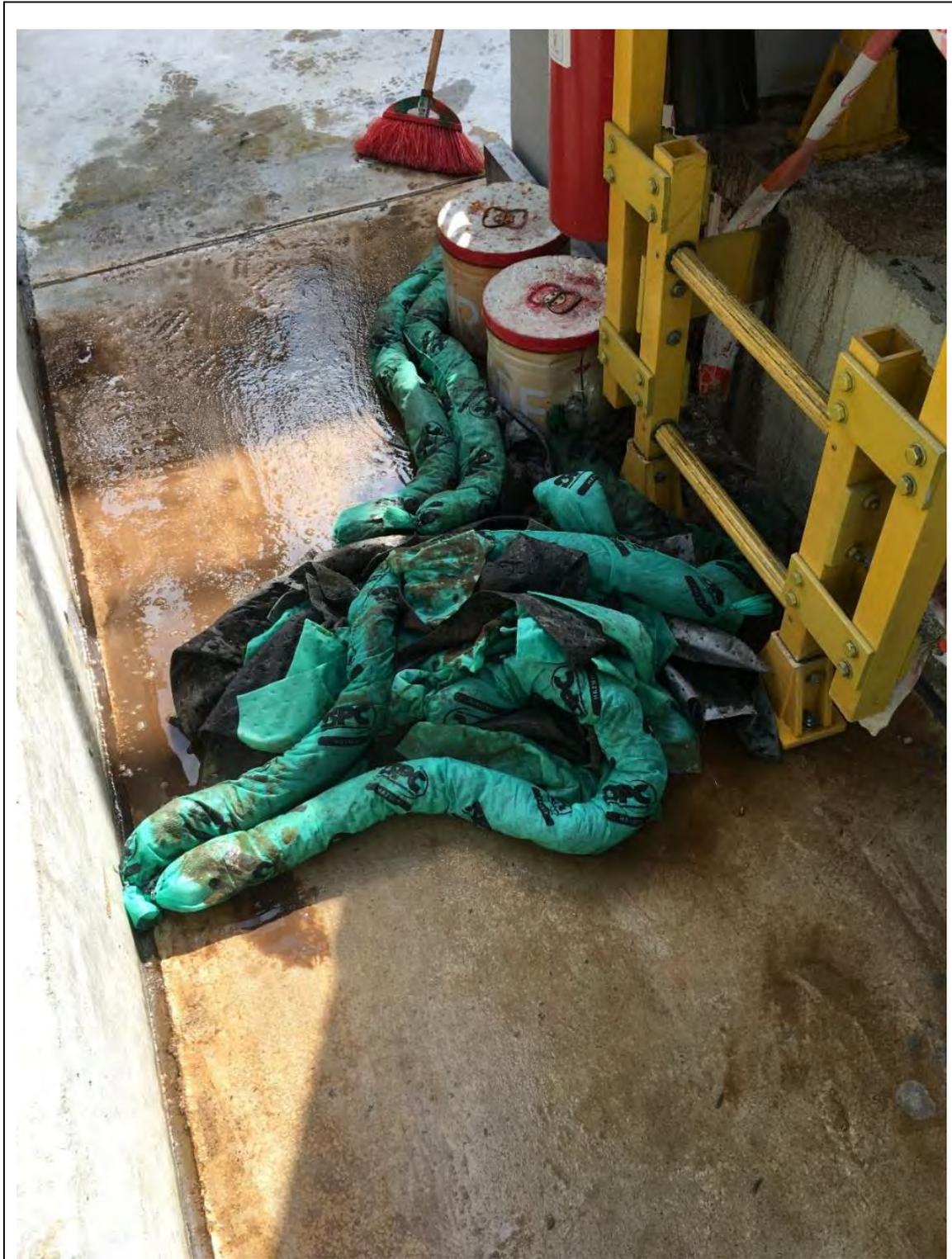
Appendix C

Photographs Taken On-Site



Chemical leakage observed on Building 1 roof.





The area was fenced off and absorbents were provided directly.





Water sample was collected at the stormwater terminal discharge point on 20 December 2018, and the pH tested with pH paper was approximate 1-2.

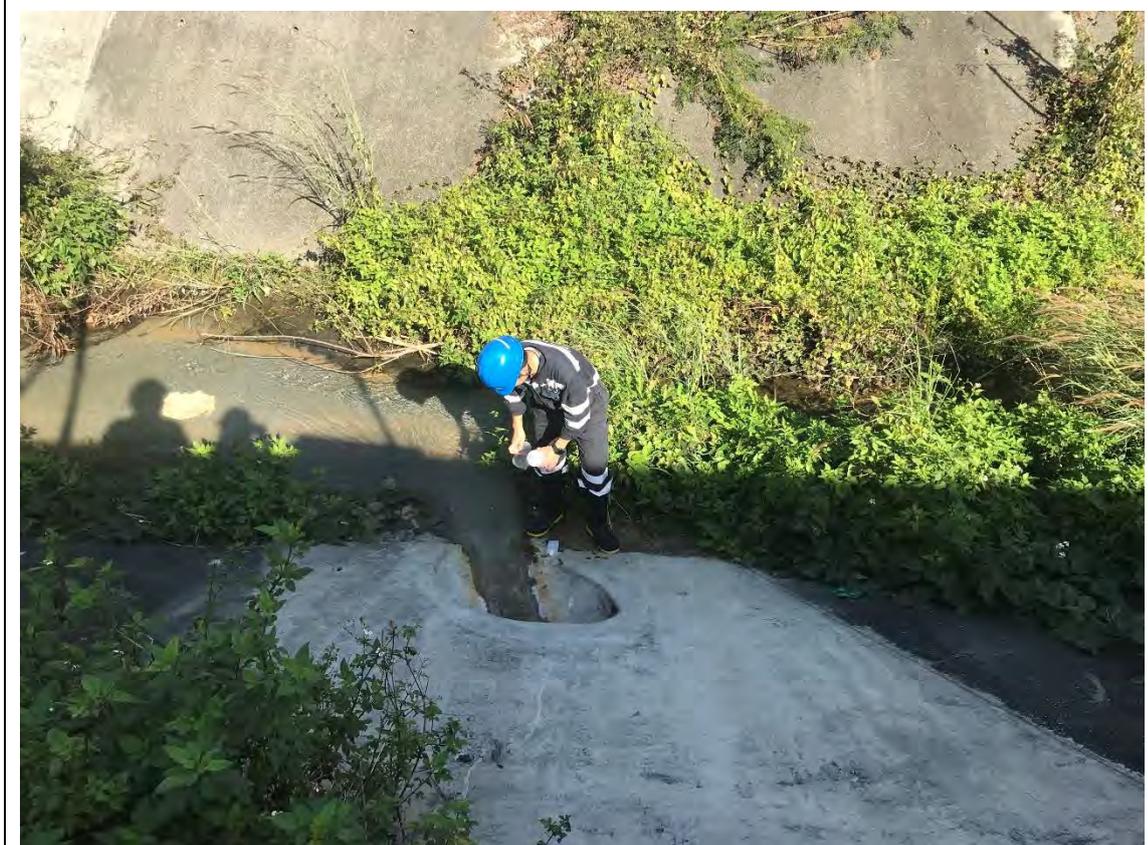


Sand bags were provided at the stormwater terminal discharge point.





Vacuum tanker was arranged to pump all the residue in the storm water pipeline back to the site wastewater treatment system.





Water sample was collected at the stormwater terminal discharge point on 21 December 2018, and the pH tested with pH paper was approximate 7.

Appendix D

Laboratory Result

EP/SP/61/10 – ORGANIC RESOURCES RECOVERY CENTRE PHASE 1

| Date | pH | COD |
|------------------|-----|-----|
| 20 December 2018 | 1.6 | 44 |
| 21 December 2018 | 7.3 | 13 |



CERTIFICATE OF ANALYSIS

| | | | | | |
|--------------|---|--------------|---|-------------------------|---------------|
| Client | : OSCAR BIOENERGY JOINT VENTURE | Laboratory | : ALS Technichem (HK) Pty Ltd | Page | : 1 of 4 |
| Contact | : LEAH PAK | Contact | : Richard Fung | Work Order | : HK1865960 |
| Address | : FLAT/RM 702, 7/F, LEE GARDEN TWO, 28 YUN PING ROAD, CAUSEWAY BAY, HONG KONG | Address | : 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong | | |
| E-mail | : leah.pak@oscarbionenergy.hk | E-mail | : richard.fung@alsglobal.com | | |
| Telephone | : --- | Telephone | : +852 2610 1044 | | |
| Facsimile | : --- | Facsimile | : +852 2610 2021 | | |
| Project | : ORGANIC RESOURCES RECOVERY CENTRE (PHASE 1) | | | Date Samples Received | : 20-Dec-2018 |
| Order number | : --- | Quote number | : HKE/2461/2018 | Issue Date | : 28-Dec-2018 |
| C-O-C number | : --- | | | No. of samples received | : 1 |
| Site | : --- | | | No. of samples analysed | : 1 |

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

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

| <i>Signatories</i> | <i>Position</i> | <i>Authorised results for</i> |
|---|-----------------|-------------------------------|
|  | General Manager | Inorganics |
| Fung Lim Chee, Richard | General Manager | Inorganics |



General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 20-Dec-2018 to 28-Dec-2018.

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

Specific Comments for Work Order: HK1865960

Sample(s) were received in ambient condition.

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

EA002 - Calibration range of pH value is 4.0 - 10.0. Results exceeding this range is for reference only.

EA002 - pH value is reported as at 25°C.



Analytical Results

Sub-Matrix: WATER

| | | | | Client sample ID | P1-Outlet | --- | --- | --- | --- |
|---|------------|-----|---------|-----------------------------|---------------|-----|-----|-----|-----|
| | | | | Client sampling date / time | [20-Dec-2018] | --- | --- | --- | --- |
| Compound | CAS Number | LOR | Unit | HK1865960-001 | --- | --- | --- | --- | --- |
| EA/ED: Physical and Aggregate Properties | | | | | | | | | |
| EA002: pH Value | --- | 0.1 | pH Unit | 1.6 | --- | --- | --- | --- | --- |
| EP: Aggregate Organics | | | | | | | | | |
| EP026C: Chemical Oxygen Demand | --- | 5 | mg/L | 44 | --- | --- | --- | --- | --- |



CERTIFICATE OF ANALYSIS

| | | | | | |
|--------------|---|--------------|---|-------------------------|---------------|
| Client | : OSCAR BIOENERGY JOINT VENTURE | Laboratory | : ALS Technichem (HK) Pty Ltd | Page | : 1 of 3 |
| Contact | : LEAH PAK | Contact | : Richard Fung | Work Order | : HK1866184 |
| Address | : FLAT/RM 702, 7/F, LEE GARDEN TWO, 28 YUN PING ROAD, CAUSEWAY BAY, HONG KONG | Address | : 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong | | |
| E-mail | : leah.pak@oscarbionenergy.hk | E-mail | : richard.fung@alsglobal.com | | |
| Telephone | : --- | Telephone | : +852 2610 1044 | | |
| Facsimile | : --- | Facsimile | : +852 2610 2021 | | |
| Project | : ORGANIC RESOURCES RECOVERY CENTRE (PHASE 1) | | | Date Samples Received | : 21-Dec-2018 |
| Order number | : --- | Quote number | : HKE/1413b/2017 | Issue Date | : 02-Jan-2019 |
| C-O-C number | : --- | | | No. of samples received | : 1 |
| Site | : --- | | | No. of samples analysed | : 1 |

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

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

| <i>Signatories</i> | <i>Position</i> | <i>Authorised results for</i> |
|---|-----------------|-------------------------------|
|  | General Manager | Inorganics |
| Fung Lim Chee, Richard | General Manager | Inorganics |



General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 21-Dec-2018 to 02-Jan-2019.

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

Specific Comments for Work Order: HK1866184

Sample(s) were received in ambient condition.

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

EA002 - Calibration range of pH value is 4.0 - 10.0. Results exceeding this range is for reference only.

EA002 - pH value is reported as at 25°C.



Analytical Results

Sub-Matrix: WATER

| | | | | Client sample ID | | | | |
|---|------------|-----|---------|-----------------------------|-----|-----|-----|-----|
| | | | | Client sampling date / time | | | | |
| Compound | CAS Number | LOR | Unit | HK1866184-001 | | | | |
| EA/ED: Physical and Aggregate Properties | | | | | | | | |
| EA002: pH Value | ---- | 0.1 | pH Unit | 7.3 | --- | --- | --- | --- |
| EP: Aggregate Organics | | | | | | | | |
| EP026C: Chemical Oxygen Demand | ---- | 5 | mg/L | 13 | --- | --- | --- | --- |

Appendix E

Training Record

Training Attendance List 訓練出席記錄

Date 日期: 8-1-2018 Time 時間: 08:00-8:30
 Tutor 講者: Chris CHOW/ YUEN Lok Hei/ Edmond LUK/ Zero HSIEH/ Sarah HO/ WONG Ho Wai, Howard/ Terence Chan/ Henry Lee Venue 地點: CCR
 Subject 主題: Chemical Spill Emergency Response Content 內容: _____

* Please complete the details below in Chinese or English 請以 '中文' 或 '英文' 填寫下列各項

| Staff No. 職員編號 | Name (Print) 姓名 (正楷) | Position 職位 | Signature 簽名 | Staff No. 職員編號 | Name (Print) 姓名 (正楷) | Position 職位 | Signature 簽名 |
|-------------------|---------------------------|-----------------------|-----------------|-------------------|-------------------------|-----------------------|-----------------|
| Team A | Chris CHOW | | | Team B | YUEN Lok Hei | | |
| OS00033 | Leung Kwok Yin | P & C technician | | OS00061 | Cheung Sze Chun, Jeff | P & C technician | |
| OS00120 | Shek Ka Ming | P & C technician | | OS00116 | Chan Chung Lim, William | P & C technician | |
| OS00034 | Yu Tai Wai, David | Crane operator | | OS00040 | Wong Yuen Man | Crane operator | |
| OS00099 | Rabindra GURUNG | Non-Skilled Worker | | OS00057 | Gurung Puspan | Non-Skilled Worker | |
| OS00117 | Naveed Mehmood | Non-Skilled Worker | | | | Non-Skilled Worker | |
| OS00050 | Cheung Lap Yeung Billy | Mobile Plant Operator | | OS00077 | Gurung, Kul Raj | Mobile Plant Operator | |
| OS00060 | Rana, Indra Bahadur | Mobile Plant Operator | | OS00067 | Baljit-Singh | Mobile Plant Operator | |
| Team C | Edmond LUK | | | Team D | Zero HSIEH | | |
| OS00023 | LAI Ho Kei | P & C technician | | OS00015 | CHAN Tai Cheong | P & C technician | |
| OS00009 | Kimmy CHAN | P & C technician | | | | | |
| OS00048 | Ho Leung Chun Kit, Johnny | P & C technician | | OS00029 | Leung Kwok Wing | Crane operator | |
| OS00046 | Deng Jia Ho | Crane operator | | OS00115 | Gurung Prabesh | Non-Skilled Worker | |
| OS00082 | Gurung, Atit | Non-Skilled Worker | | OS00109 | Khan Ayaz Ahmed | Non-Skilled Worker | |
| OS00086 | SHAH Sarwar | Mobile Plant Operator | | OS00070 | Ng Cheuk Hung | Mobile Plant Operator | |
| OS00081 | Gurung, Jiwan | Mobile Plant Operator | | OS00044 | Jagroop-Singh | Mobile Plant Operator | |
| Day | Howard Wong | | | | | | |
| OS00016 | Gavin Lee | Assistant Engineer | | | | | |
| | | | | | | | |
| | | | | | | | |

Tutor's Signature 講者簽名:

** Filing: Yes/ No