

Permit with introductory note

Environment Protection Act (CAP. 549);
Industrial Emissions (Framework) Regulations, S.L.549.76;
Industrial Emissions (Integrated Pollution Prevention and Control) Regulations, S.L. 549.77.

WEEE Recycle 4U Company Limited
HHF 040, Hal Far Industrial Estate,
Hal Far BBG 3000

Permit number
IP 0006/13

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Introductory note

This introductory note does not form part of the Permit

The following Permit is granted under Regulation 7 of the Industrial Emissions (Framework) Regulations, 2013 (S.L.549.76) (“the Industrial Emissions (Framework) Regulations”) to operate an installation carrying out activities covered by the description in 5.5 in Schedule 1 of the Industrial Emissions (IPPC) Regulations (S.L.549.77), to the extent authorised by the Permit, i.e.

“Temporary storage of hazardous waste not covered under point 5.4 pending any of the activities listed in points 5.1, 5.2, 5.4 and 5.6 with a total capacity exceeding 50 tonnes, excluding temporary storage, pending collection, on the site where the waste is generated.”

Aspects of the operation of the installation which are not specifically regulated by conditions in the Permit may also be subject to the condition implied by Regulation 8 of the Industrial Emissions (IPPC) Regulations, which require the Permit Holder to use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation.

Conditions marked with a ‘[∞]’ shall be construed as conditions which are to be enforced by the Authority responsible for such an issue.

Techniques include both the technology used and the way in which the installation is designed, built, maintained, managed, operated and decommissioned.

In some sections, the Permit conditions require the Permit Holder to use Best Available Techniques (BAT) in each of the aspects of the management of the installation to prevent and where that is not practicable, to reduce emissions. These conditions do not explain what is BAT.

A non-technical description of the installation is given in the application, but the main activity of the installation is as follows:

- **Storage and processing of Waste Electrical and Electronic Equipment (WEEE) and batteries**

Note that the Permit requires the submission of certain information to the Competent Authority. In addition, the Competent Authority has the power to seek further information at any time under regulation 11 of the Industrial Emissions (Framework) Regulations, provided that it acts reasonably.

Other IPPC Permits relating to this installation

| Operator | Permit Number | Date of Granting |
|-----------------------|----------------------|-------------------------|
| <i>Not applicable</i> | | |

Superseded Licences/Authorisations/Consents relating to this installation

| Operator | Reference Number | Date of Granting |
|---------------------------------|-------------------------|--------------------------------------|
| <i>Electronic Products Ltd.</i> | <i>EP 033/18/A</i> | <i>29th March 2019</i> |
| <i>Electronic Products Ltd.</i> | <i>EP 0129/20</i> | <i>15th December 2020</i> |

Public Registers

This IPPC Permit and application are available to the public through the Competent Authority in accordance with the requirements of the Industrial Emissions (IPPC) Regulations. Certain information may be withheld from the public where it is commercially confidential or contrary to national security.

Variations to the Permit

This Permit may be varied by the Authority at any time in the future. If the Permit Holder wants any of the Conditions of the Permit to be changed, a formal application must be submitted to the Competent Authority. The **Status Log** within the Introductory Note to any such Variation Notice will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been granted.

Any change in operations shall only be implemented following the granting of a variation of the permit by the Authority.

Surrender of the Permit

Before this Permit can be wholly or partially surrendered, an Application to surrender the Permit has to be made to the Competent Authority by the Permit Holder. For the application to be successful, the Permit Holder must be able to demonstrate to the Competent Authority that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the Permit or part of the Permit

Upon the joint application of a Permit Holder and a proposed transferee, the Permit Holder may request to transfer an environment permit. The permit shall not be transferred from the Permit Holder without prior approval from the Authority. Upon the Authority's decision to transfer the permit to the transferee, all rights, obligations, liabilities shall subsist onto the transferee.

Status Log

| Detail | Date | Comment |
|--|--|---|
| <i>Application IP 0006/13</i> | <i>Received 09 July 2013</i> | <i>Not 'Duly Made'</i> |
| <i>Response to request for information including feedback from regulatory consultees</i> | <i>Request dated 09 December 2015</i> | <i>Response received 08 January 2016</i> |
| <i>Application 'duly made'</i> | <i>3rd June 2019</i> | |
| <i>Public consultation</i> | <i>Commenced on 13 June 2019</i> | <i>Concluded on 13 July 2019</i> |
| <i>Pre-permit site visit</i> | <i>14th November 2019</i> | <i>Submitted revised plans on 13th January 2020</i> |
| <i>Minor permit amendments</i> | <i>20th April 2020</i> | |
| <i>Regulatory consultation</i> | <i>22nd July 2020 commenced</i> | <i>Concluded 10th August 2020</i> |
| <i>Pre-permit site visit</i> | <i>14th August 2020</i> | <i>Response received on 1st September 2020</i> |
| <i>Permit Determined</i> | <i>15th January 2021</i> | |

End of Introductory Note

Permit

Industrial Emissions (Framework) Regulations, S.L.549.76; Industrial Emissions (Integrated Pollution Prevention and Control) Regulations, S.L. 549.77.

Permit number

IP 0006/13

Approved Documents:

IP 0006/13/DOC1

IP 0006/13/DOC2

IP 0006/13/DOC3

The Environment and Resources Authority (hereinafter the Authority; the Competent Authority or ERA) in exercise of its powers Regulation 7 of the Industrial Emissions (Framework) Regulations, 2013 (S.L.549.76) ("the Industrial Emissions (Framework) Regulations"), hereby authorises:

Mr. Charles Galea obo WEEE Recycle 4U Company Limited (hereinafter "the Permit Holder"),

Of / Whose Registered Office (or principal place of business) is at

**WEEE Recycle 4U Company Limited,
93, Old Railway Road,
St. Venera, SVR 9014**

(Company registration number: **C72396**)

to operate an installation at:

**WEEE Recycle 4U Company Limited,
HHF 040, Hal Far Industrial Estate,
Hal Far BBG 3000**

This permit is valid for (4) **four years** from the date below. An application for renewal of this permit is to be submitted at least nine (9) months prior to expiry of this permit.

| | |
|--|--------------------------------|
| Environment and Resources Authority | |
| APPROVAL | Date Granted: |
| Board No. <u>123</u> Held on <u>15th January 2021</u> | 23 rd February 2021 |
| Chairman _____ Secretary _____ | |

Authorised to sign on behalf of the Competent Authority

Conditions

1 General

Environmental Permit EP 0129/20 is hereby superseded.

1.1 Permitted Activities

1.1.1 The Permit Holder is authorised to carry out the activities and the associated activities specified in Table 1.1.1.

Table 1.1.1

| Activity listed in Schedule 1 of the Industrial Emissions (IPPC) Regulations / Associated Activity | Description of specified activity | Limits of specified activity |
|---|--|--|
| Section 5.5: Specified activities involving the disposal, recovery and temporary storage of specified Waste Electric and Electronic Equipment (WEEE). | Receipt, manual dismantling and storage of general WEEE as per Schedule 3a. Crushing of non-hazardous components. | From receipt of WEEE to dispatch to authorised facilities either locally or abroad. |
| | Processing of the following WEEE: CRT televisions, monitors, cables, heaters, toner cartridges, fluorescent tubes and bulbs and related sorting, management and storage of separated components. | From receipt of specified WEEE to processing in dedicated areas as per IP 0006/13/DOC1 |
| | Storage and packaging of batteries, fridges and freezers. | Storage of wastes accepted on site shall not exceed a period of 12 months on site if pending disposal and 36 months if pending recovery. |
| | Degassing and further treatment of certain equipment containing refrigerant gas excluding fridges and freezers | From the receipt of certain equipment containing refrigerant gas to the exportation or local selling for reuse of refrigerant gas. |
| Segregation and storage of WEEE-related packaging. | Segregation from WEEE and storage of WEEE-related packaging consisting of paper/cardboard, plastic and mixed packaging. | From receipt packaged WEEE to dispatch of segregated packaging waste to authorised local facilities. |
| Storage and processing of wood items. | Storage and processing of wood waste in designated areas. | From receipt of wood waste until (1) either dispatch offsite as waste or (2) dispatch of finished product offsite |

| | | |
|--|--|---|
| | | following approval in writing by the Authority. |
| End of Waste activity for animal bedding | Use of crusher to process non-hazardous waste wood. | Waste wood shall not be dispatched from the site as a product until such time that the Authority confirms in writing that End-of-Waste status has been achieved. Any waste wood that does not achieve End-of-Waste status shall be disposed of until End-of Waste status is achieved as confirmed by the Authority in line with condition 1.6.1 |
| Associated activity of general maintenance and repairs | Maintenance and repair/s on equipment and/or vehicles within the installation. | From maintenance/repair, activity to appropriate recovery/disposal of any waste generated on site. |

1.1.2 No wastes other than those which are categorised in Schedule 3 in accordance to the European waste catalogue codes as published in Council Directive 2000/532/EC and as may be amended from time to time shall be accepted at this site.

1.1.3 Storage quantities of raw materials and all incoming and outgoing wastes shall not exceed the limits identified in Schedule 3.

1.2 Site

1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, as shown in red on the Site Plan in Schedule 7 to this Permit.

1.2.2 Site security systems shall be implemented at all times during the subsistence of this Permit, the objective of which shall be to prevent access which is not authorised either by the Permit Holder or under legal powers of entry. These shall be installed, operated and maintained, and shall be fully documented and recorded.

1.2.3 During non-operating hours the site shall be firmly closed and totally inaccessible to third parties, both by vehicle and on foot.

1.2.4 The site perimeter shall be clearly delineated either by a chain link fence, bollards or walls conforming to applicable development permits issued under the Development Planning Act, 2016 (Act I of 2016) and subsidiary legislation.

1.3 Overarching Management Conditions

1.3.1 All plant, equipment and technical means used in operating the Permitted Installation shall be maintained in good operating condition and without causing polluting emissions, potentially polluting leaks and spillages. The permit holder shall keep maintenance records as per condition 2.3.8.

1.3.2 The weighbridge and fluorescent tube real-time mercury monitoring equipment shall be maintained and calibrated and certified by a warranted engineer or by the equipment's manufacturing company once every year. Records of such certification shall be submitted

as part of the Annual Environment report and shall be made available to the Authority upon request.

1.3.3 Without prejudice to the other conditions of this Permit, the Permit Holder shall implement and maintain the approved Environmental Management System (EMS), and an organisational structure, and allocate resources that are sufficient to achieve compliance with the limits and conditions of this Permit.

1.3.4 The Permit Holder shall submit (including as part of the EMS) the following reports annually as part of the Annual Environmental Report of the site, according to the timeframe specified in Condition 4.2:

- a. Environmental Policy containing the installation's environmental objectives and targets;
- b. Environmental Management Programme report (for the reporting year);
- c. Environmental Management Programme proposal (for the following year).

1.3.5 All plant, equipment and technical means used in operating the Permitted Installation shall be maintained in good operating condition and without causing potentially polluting leaks and spillages.

1.4 Improvement Programme

1.4.1 The Permit Holder shall complete the improvements specified in Table 1.4.1 by the date specified in that table, and shall send written notification of the date of completion of each requirement to the Authority on ced.facilities@era.org.mt within 10 working days of the completion of each such requirement.

| Reference | Requirement | Date |
|-----------|---|---|
| 1 | Physical delineation and signage of all waste storage areas as per site layout plan submitted as part of IP 0006/13/DOC1 and the IPPC application. | Within 1 month from the date of granting of the permit |
| 2 | Certification from a competent company or engineer that the relevant fire safety procedures and equipment are in place, including emergency firefighting water supplies for use by the Civil Protection Department. | Within 1 month of granting of the permit |
| 3 | Certification of the oil/water interceptor by an independent warranted civil engineer or engineer for efficiency of operation as per Condition 2.2.35. | Within 3 months of the granting of the permit |
| 4 | <ol style="list-style-type: none"> a. As per Condition 2.4.35, submission of a plan outlining how degassing of refrigeration equipment will be carried out in a manner to minimise emissions to air. b. Implementation of the plan indicated in 4a. | <ol style="list-style-type: none"> a. Within 3 months from the granting of this permit. b. Within the timeframe as agreed with the Authority. |
| 5 | <ol style="list-style-type: none"> a. Submission of a consolidated method statement for monitoring in accordance with condition 2.2.4 & 2.2.5. b. Submission of monitoring results in accordance with the approved method statement as per item 5a above. | <ol style="list-style-type: none"> a. Within 6 months from the granting of the permit. b. Within 3 months from the Authority's approval of the method statement referred to in (a) above, but not later than 6 weeks from the |

| Table 1.4.1: Improvement programme | | |
|---|--------------------|--|
| Reference | Requirement | Date |
| | | Authority's approval referred to in condition 1.6.4 a-c. |

1.5 Operational Changes

- 1.5.1 The Permit Holder shall seek the Authority's written agreement to any operational change as defined by S.L.549.77, by sending to the Authority: written notice of the details of the proposed change, including an assessment of its possible effects (including changes in emissions and waste production) on risks to the environment and public health from the Permitted Installation; any relevant supporting assessments and drawings; and the proposed implementation date.
- 1.5.2 Any such change shall not be implemented until agreed to in writing by the Authority. As from the agreed implementation date, the Permit Holder shall operate the Permitted Installation in accordance with that change, and relevant provisions in the Application shall be deemed to be amended.
- 1.5.3 The Director of Environment and Resources and any officials to whom this role is delegated are hereby authorised to make decisions on variations to this permit, with the exception of the following cases:
- a. modifications which could lead to significant impact on human health or the environment;
 - b. any change in the nature or functioning or an extension of an installation where the change or extension in itself reaches the capacity thresholds set out in Schedule 1 of the Industrial Emissions (IPPC) Regulations;
 - c. modifications covered by the Environmental Impact Assessment Regulations;
 - d. aspects of the operations specifically prohibited by this permit;
 - e. changes to emission limit values;
 - f. changes to fees;
 - g. renewal of the validity of this permit.

1.6 Pre-Operational Conditions

- 1.6.1 WEEE treatment operations shall not commence prior to submission of Certification by a third party warranted engineer or architect for certification of cesspit 2 and reservoir 2 in accordance to Activity 43, Schedule II of S.L. 549.45 Waste Management (Activity Registration) Regulations and Condition 2.2.21 to the satisfaction of the Authority and the Superintendence for Public Health.
- 1.6.2 Crushing of wooden packaging shall not take place until such time that the Authority confirms that the material can be classified as non-hazardous pursuant to Schedule 3 of the Waste Regulations (S.L. 549.63) following submission of analytical results performed by an accredited laboratory to the satisfaction of the Authority.
- 1.6.3 Wood derived from the shredding process shall not be dispatched from the site as a product until such time that the Authority confirms in writing that the end-of-waste status has been achieved following fulfilment of Section 2.4.27.

1.6.4 The following activities or the commissioning of associated equipment shall not take place until such time that the Authority has approved a notification, following inspection, indicating that the equipment and material (e.g. waste, additives, filter media) associated to that activity has been completely installed and is ready for operation:

- a. Calibration certificate for the real-time monitoring equipment used for Mercury (Hg) leak detection.
- b. Crushing of cables
- c. Shredding of non-hazardous waste

1.7 General Considerations

- 1.7.1 The conditions and obligations of this permit are without prejudice to any other regulation, code of practice, conditions or requirements requested by other Authorities or entities, including but not limited to, the Planning Authority, the Occupational Health and Safety Authority, Transport Malta, the Regulator for Energy and Water Services (REWS) and the Environmental Health Directorate.
- 1.7.2 This permit is granted saving third party rights. The Permit Holder is not excused from obtaining any other permission required by law.
- 1.7.3 The Permitted Installation shall be managed, controlled, supervised and operated by staff that are aware of the importance of environmental protection and suitably trained on the requirements of this Permit. All staff shall be provided with adequate training and written operating instructions to enable them to effectively carry out their duties. Such training shall be recorded and maintained in line with Section 3.
- 1.7.4 The Permit Holder is to prevent litter or other wastes escaping from the site boundaries. Any such escape of waste shall be collected immediately upon detection.
- 1.7.5 In these conditions and their interpretation, all terms shall have the same meaning as that assigned to them in CAP549 Environment Protection Act and its subsidiary legislation.
- 1.7.6 The company shall maintain a register of third party complaints. The register shall record the details of the complainant(s) if available, the date, source and nature of the complaint and the corrective action undertaken, where such action proves necessary.
- 1.7.7 In case of any monitoring requirements specified in this permit, there shall be provided safe means of access to enable sampling/monitoring to be carried out by the Authority or by a third party if deemed necessary.
- 1.7.8 The Permit Holder has the sole responsibility to ascertain compliance with legal obligations, permit conditions and to undertake activities on and off site in line with good environmental practices at all times.
- 1.7.9 All persons have a duty of care to protect the environment. The Permit Holder shall become familiar with his legal obligations and good environmental practice.
- 1.7.10 The site shall be maintained in a tidy condition and free from litter (whether arising from own activities or external sources).
- 1.7.11 The Permit Holder is to be fully liable and responsible for managing the site in all its various aspects and to supervise the full adherence with all the conditions of this permit.
- 1.7.12 The Authority may carry out regular pre-set or unannounced compliance or monitoring checks that vary in frequency according to the site's compliance with the permit conditions

and safeguarding of natural assets. Any checks or audits carried out by the Authority may be made at the Permit Holder's financial expense at rate and arrangement communicated by ERA's Compliance and Enforcement Directorate.

- 1.7.13 The Authority's representatives may inspect and photograph any part of the site and ask for any closed or locked areas to be opened and may demand to be provided with any proof, documentation, plans, receipts or any other records. The Permit Holder shall also provide all the necessary assistance to enable the Authority to take samples if necessary.
- 1.7.14 The Authority may add, amend, delete or substitute any of the conditions of this permit after notifying the Permit Holder of its intention and after describing the changes to the Permit Holder. This is without prejudice to any prevailing circumstances that would preclude the Authority from following such a procedure.
- 1.7.15 The validity of this permit is until four (4) years from the date of the permit granting. The Permit Holder is able to renew the permit upon application with the Authority expressing his/her intention at least nine months prior to the expiry of the permit. The permit will be considered renewed once the official renewed permit is granted by the Authority.
- 1.7.16 The permit is granted against a Bank Guarantee of €32,775 which shall be renewed annually. This guarantee will have to be maintained throughout the validity of the permit. Following renewal and/or variations to this permit, the Authority may require amendments to the Bank Guarantee.
- 1.7.17 The Bank Guarantee shall remain in place for the duration of validity of this permit and shall only be released upon confirmation of full compliance with the permit conditions by the Authority.
- 1.7.18 The Authority may take part or all of the bank guarantee if the Permit Holder fails to take the necessary action, or fails to fulfil his legal obligations under the Act or its subsidiary legislation thereof, in cases of non-compliance with these permit conditions, or in cases where environmental integrity is threatened. This bank guarantee is without prejudice to any environmental liabilities incurred by the Permit Holder through failure to adhere with permit conditions or any other works/activity carried out on site. Should the Authority forfeit the Bank Guarantee either in part or in full, the permit holder shall ensure that this is replenished without undue delay, in any case not exceeding 2 months from the date of forfeiture.
- 1.7.19 In cases where the bank guarantee does not cover the expenses incurred by the Authority to take any remedial action on the Permit Holder's behalf, the Permit Holder is to financially reimburse the Authority of all the expenses incurred within.
- 1.7.20 The operator shall submit a fixed annual fee of €500 and a variable addition reflecting ERA's cost for inspections. The latter variable component depends on the actual number of site inspections, which is determined by the performance of the operator. The total annual contribution has to be paid annually before the anniversary of the date of issue of this permit.
- 1.7.21 A copy of this permit and those parts of the application referred to in this Permit shall be available at all times at the site office, including any variation notices of amendments to it.
- 1.7.22 The Authority may request additional monitoring and/or review of operational practices and any commission audits/reports as deemed necessary to address any circumstances that may affect the quality of the surrounding environment at the expense of the Permit Holder.
- 1.7.23 Without prejudice to condition 1.7.19 the Authority may take any action deemed necessary including but not limited to the suspension of any activity/operation until investigations are concluded.

- 1.7.24 The Authority may suspend or revoke this environmental permit in line with the provisions of CAP549.
- 1.7.25 Any incident including accidental release of liquid, solid or gaseous materials from the site shall be reported not later than within 24 hours to ERA, without prejudice to the emergency plan of the installation and Health and Safety.
- 1.7.26 The Permit Holder shall undertake all necessary measures and precautions to prevent spillage of raw materials, intermediates, products, waste and any other materials.

1.8 Off-site Conditions

- 1.8.1 The Permit Holder shall ensure that no chemicals or waste escape to the environment including when transporting such materials offsite or onsite.

2 Operating Conditions

2.1 In-Process Controls

- 2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the IPPC application, or as otherwise agreed in writing by the Authority in accordance with conditions 1.5.1 and 1.5.2 of this Permit.

2.2 Emissions

Emissions to Air

- 2.2.1 All processes which generate significant levels of airborne contaminants (such as dusts, toxic gases, odorous chemicals) shall have effective local collection and shall discharge (after treatment where necessary) through a stack or vent located and/or designed in such a way as to avoid local effect.
- 2.2.2 Emissions to air from stationary sources shall only arise from the emission points specified in Table 2.2.2, as described in the IPPC application.

Table 2.2.2 : Emission points to air

| Emission point reference | Source |
|--------------------------|-------------------------------|
| 1 | Florescent tube crushing room |
| 2 | CRT crushing room |
| 3 | Cable Crusher & Main Crusher |

- 2.2.3 The limits for emissions to air for the parameters and emission points set out in Table 2.2.3 shall not be exceeded. These limits relate to dry gas and volume flows without dilution.

Table 2.2.3 : Emission limits to air and monitoring

| Emission point reference | Parameter | Limit | Minimum Monitoring Frequency |
|--------------------------|-----------------------------|----------------------|------------------------------|
| 1 | Mercury (Hg) | 2 µg/Nm ³ | Every 3 months |
| 1-3 | Dust | 5 mg/Nm ³ | Every 6 months |
| 3 | Dioxin-like PCBs | - | Every year |
| 3 | Brominated flame retardants | - | Every year |
| 3 | Metals and metalloids | - | Every year |

| | | | |
|---|--------|---|------------|
| 3 | PCDD/F | - | Every year |
|---|--------|---|------------|

All concentrations shall be corrected to 273 K, 101.3 kPa, dry gas volume

- 2.2.4 The Permit Holder shall monitor the parameters listed in Table 2.2.3 from the emission points as specified in Table 2.2.2 at the frequency specified in Table 2.2.3. Monitoring shall be carried out by an independent warranted engineer or a laboratory accredited to at least EN ISO 17025:2017 and preferably for each and every test listed in Table 2.2.3 during full operation of the associated waste treatment activity. The Permit holder shall include a copy of the laboratory's accreditation certification in the AER.
- 2.2.5 Further to the above condition, emissions of mercury from emission point 1 (abated channelled emissions from the fluorescent tube crushing room) shall be measured on a weekly basis to detect potential leaks. Results of measurements should be recorded in line with Condition 3.2 of this Permit.
- 2.2.6 Depending on the dust results obtained following the first monitoring session, the Authority may revise the emission limit value in Table 2.2.3 above.
- 2.2.7 The Permit Holder must apply suitable abatement measures to any equipment related to the physical alteration of waste (e.g. shredding machines, crusher) to prevent escape of polluting substances, odour and excessive noise created by the processes related to this equipment.
- 2.2.8 The operational effectiveness of filters (such as HEPA filters) for the control of emissions to air shall be monitored by means of a pressure differential recorder or equally effective means. Such recorders shall be visible and audible to operators working on the equipment such that an out of range incident can be easily and immediately identified.
- 2.2.9 When filters are found to have reached the pressure alert limit indicated by filter manufacturer, these shall be immediately replaced as per approved Standard Operating Procedure and where applicable, damaged filters shall be treated as hazardous waste as per S.L.549.63. Records of filter changes should be kept in line with Section 3 of the Permit.
- 2.2.10 Further to condition 2.2.8, the Permit Holder shall carry out and document air filter integrity monitoring for exhaust filters indicated in PS1-PS3 on a weekly basis. Such results shall also be submitted as part of the Annual Environmental Report, in the format specified in Schedule 2.
- 2.2.11 HEPA Filter efficiency certification for exhaust filters is to be submitted on an annual basis as part of the Annual Environmental Report, in the format specified in Schedule 2.
- 2.2.12 All diesel-powered non-road mobile machinery and diesel vehicles utilised within the installation shall use automotive diesel which conforms to EN 590.[∞]
- 2.2.13 Under abnormal operating conditions such as in the case of breakdown or malfunction the Operator shall reduce or close operations as soon as practical until normal operation can be restored.
- 2.2.14 In the event of, malfunction or breakdown leading to abnormal emissions, the Permit Holder must:
- Investigate immediately and undertake corrective action to ensure compliance is restored without undue delay, and
 - Adjust the process or activity to minimise those emissions, and
 - Record the events and actions taken.
- 2.2.15 In the event of non-compliance causing immediate danger to human health, operation of the activity must be suspended and the Competent Authority informed within 24 hours

2.2.16 Further to condition 2.2.13, the operator shall, at the written request of ERA and within 10 working days, identify the specific cause of the of the abnormal emission and examine means for its elimination or minimisation including:

- i. Relocating / redesigning/ extending the stack(s) or vent(s) to a point where nuisance is minimised
- ii. Replacement of fuel
- iii. Preventative measures such as replacement of process materials (e.g. odorous solvents) by substances which are less detrimental to the environment
- iv. Improved storage of materials
- v. Use of additional abatement measures in line with condition 2.2.5

Fugitive emissions of substances to air

2.2.17 The Permit Holder shall use BAT so as to prevent or where that is not practicable to reduce fugitive emissions of substances to air from the Permitted Installation, in particular from the:

- i. process areas
- ii. storage areas, including waste storage
- iii. buildings
- iv. pipes, valves and other transfer systems
- v. open surfaces

provided always that the techniques used by the Permit Holder shall be no less effective than those described in the Application, where relevant.

2.2.18 The Permit Holder shall use BAT so as to prevent or where that is not practicable to reduce release of litter from the Permitted Installation provided always that the techniques used by the Permit Holder shall be no less effective than those described in the Application, where relevant. Such practices shall be subject to the prior written approval of the Authority.

Emissions to land

2.2.19 No emission from the Permitted Installation (including any reservoirs) shall be made to land.

Discharges to sewers

2.2.20 The Permit Holder shall follow the conditions of the Sewer Discharge Permit, as may be updated from time to time by the Water Services Corporation and the provisions of the Sewer Discharge Control Regulations, S.L. 545.08.[∞]

2.2.21 The Permit Holder shall ensure that all cesspits catering for industrial effluent are constructed and maintained as per S.L. 549.45 - the Waste Management (Activity Registration) Regulations. Therefore the cesspit shall be constructed in such a manner as not to allow leakages or spillages of waste effluent into the surrounding environment. In addition, cesspits should be appropriately ventilated so as to avoid the accumulation of explosive, toxic or corrosive gases. The area surrounding the cesspit should be rendered impermeable and the ground laid to fall towards the cesspit.

- 2.2.22 The cesspit within the installation shall be maintained and certified as per specifications listed in condition 2.2.2121 by a competent professional. Records of regular maintenance and emptying of any cesspit shall be kept for a minimum period of 3 years and be made available, upon request, to the authority.
- 2.2.23 All cesspits are to be duly registered with the Superintendent of Public Health and reservoir for harvested rainwater should not be used for human consumption or for personal use.[∞]
- 2.2.24 No direct or indirect discharges of trade effluent into the sewer (whether from off-site or on-site discharge points) are allowed, unless specifically authorised by the Water Services Corporation. Prior to any sewer discharge of trade effluent, the Permit Holder must provide evidence of authorisation from the Water Services Corporation to the Authority. [∞]
- 2.2.25 Unless authorised by Water Services Corporation through a Public Sewer Discharge Permit, trade effluent generated shall be collected and disposed of as per the requirement of Waste management Regulation (S.L.549.63).
- 2.2.26 Any accidental release of substances shall be duly treated prior to discharge into the sewers (subject to clearance from the WSC), or disposed as waste. Records shall be kept of such discharges, including the volume discharged and other parameters, as agreed with the Water Services Corporation, as per the Sewer Discharge Permit.
- 2.2.27 The Permit Holder shall monitor for the parameters as per Table 2.2.32 and any other parameters as requested by the Water Services Corporation. The Permit Holder shall inform the Authority of any changes to the Sewer Discharge Permit of the installation or changes made by the Water Services Corporation to monitoring requirements or frequency of monitoring. [∞]
- 2.2.28 Rainwater shall be segregated from all process areas that are potentially contaminated with raw materials, intermediates and/or products.
- 2.2.29 The Permit Holder shall endeavour to collect rainwater in a suitable reservoir or cistern. As far as possible, rainwater shall be reused. However, harvested rain water and any second class or grey water collected/stored in the reservoirs shall not to be used for human consumption and/or personal use. Water intended for human consumption and/or personal use shall be potable, from an approved source and in accordance with the provisions of Water Intended for Human Consumption Regulations, 2009 (S.L.449.57).[∞]
- 2.2.30 The Permit Holder shall report discharges to the sewer as part of the Annual Environmental Report of the installation, in addition to any other reporting requirements set by the Water Services Corporation.
- 2.2.31 Further to condition 2.2.29, emissions of trade effluent to sewer shall only arise from the emission point specified in Table 2.2.31, as indicated in approved document IP 0006/13/DOC1:[∞]

| Table 2.2.31 | | |
|---------------------------------|---|--|
| Emission point reference | Source | Location of emission point |
| E1 | Wastewater from WEEE treatment building | Cesspit 2 |
| E2 | Waste water from fluorescent tube crushing room | Stainless steel tank inside Cesspit 2. |

2.2.32 The limits for the parameters set out in Table 2.2.32 for indirect discharge to receiving water bodies (ex. public sewer) for trade effluent discharge through emission point referred to in Table 2.2.31 shall not be exceeded.[∞]

| Table 2.2.32: Emission limits for indirect discharge to receiving water bodies | | | |
|---|--------------|-------------|------|
| Parameter | Limit | Unit | |
| pH | 6-10 | pH scale | |
| Total Suspended Solids (TSS) | 500 | mg/L | |
| Chloride | 1000 | | |
| Hydrocarbon oil index (HOI) | 10 | | |
| Arsenic (expressed as As) | 0.05 | | |
| Boron | 2 | | |
| Cadmium (expressed as Cd) | 0.05 | | |
| Chromium (expressed as Cr) | 0.15 | | |
| Copper (expressed as Cu) | 0.5 | | |
| Lead (expressed as Pb) | 0.1 | | |
| Nickel (expressed as Ni) | 0.5 | | |
| Mercury (expressed as Hg) | 5 | | µg/L |
| Silver | 5 | | mg/L |
| Zinc (expressed as Zn) | 1 | | |
| Total Non-ferrous metals | 30 | | |
| Total Phosphorus | 20 | | |
| Biological Oxygen Demand (BOD) | 500 | | |
| Chemical Oxygen Demand (COD) | 1000 | | |
| Total Petroleum Hydrocarbons (TPH) | 5 | | |

Fugitive emissions of substances to water and sewer

2.2.33 Subject to condition 2.2.47, the Permit Holder shall use BAT so as to prevent or where that is not practicable to reduce fugitive emissions of substances to water (including to groundwater) and sewer from the Permitted Installation, in particular from:

- a) All structures under or over ground
- b) Surfacing
- c) Storage areas
- d) Bunded areas.

2.2.34 The operations of the installation shall not hinder the achievement of good status for surface waters as required under the Water Policy Framework Regulations (SL 549.100).

2.2.35 Engineered site containment and drainage systems (including catchment pits and oil interceptor(s)/fuel separator(s)) shall be designed, constructed, inspected, validated and maintained; and shall be fully documented and recorded to be fit for purpose while meeting the following construction quality assurance standards. All areas are to:

- a) Be fully impermeable;
- b) Be kept free from cracks which could increase permeability;

- c) Be leak-proof and resistant to physical, mechanical and chemical stresses to which they may be subjected;
- d) Be laid to fall towards the drainage system to prevent pond formation.

Such systems shall be certified by an independent, warranted civil engineer or engineer as being leak-proof and resistant to physical, mechanical and chemical stresses to which they may be subjected. Testing of the oil interceptor(s)/fuel separator(s) shall be carried out and amongst other things include an inspection of the interceptor for efficiency of operation. Such testing and certification shall be carried out for the first time in accordance with the time-frames stipulated in the Improvement Program above and prior to the renewal of this permit. Cesspit 2 and Reservoir 2 shall be tested and certified annually. The certification shall be submitted as part of the AER in the format specified in Schedule 2. This is without prejudice to the Authority requesting such testing and certification should there be reason to believe that the interceptor may not be in good working order.

- 2.2.36 Any runoff from the vehicle maintenance area involving the handling of any oil/lubricant contaminated parts shall be directed to pass through an appropriate oil/water interceptor.
- 2.2.37 The drainage system must be rendered impermeable so that it does not leak and is capable of collecting and containing runoff and other liquids draining from the impermeable pavement. Runoff from the open storage yard and maintenance garage is to pass through the onsite treatment system including an oil-water interceptor.
- 2.2.38 All oil interceptor(s)/fuel retention separator(s) shall be monitored and maintained as per industrial and manufacturer specifications so as to ensure efficient operation. A log of monitoring, maintenance and waste removal from the interceptor shall be maintained on site and be available for inspection by the Authority.
- 2.2.39 Any mechanical parts and related equipment shall be stored in closed (roofed) structures (not open to the elements), in accordance with provisions of applicable development permits granted by the Planning Authority constructed on impervious grounds capable of containing any accidental spills of fuels, oils or any other hazardous chemical/s.
- 2.2.40 All vehicle and associated equipment maintenance is to be carried out on an impervious surface where a thorough clean-up of fuels, oils or any other hazardous chemical/s can be readily undertaken. Any activities that involve grit, sand or glass blasting are strictly prohibited.
- 2.2.41 The cleaning of vehicles, associated equipment and mechanical body parts shall be carried out on an impervious surface and in a manner so that the effluent generated is completely contained onsite and not discharged to the environment or the public sewer. Water soluble engine washing fluids shall be recycled or disposed of through a company authorised to accept such waste.
- 2.2.42 The cesspits for floor washing and the fluorescent tube crushing room shall be monitored and maintained regularly in a manner to prevent any wastewater overflow. Any resulting waste shall be considered as hazardous waste, unless proven otherwise by chemical testing to the satisfaction of the Authority, and disposed of using the Consignment Permit procedure.
- 2.2.43 All on-site transfers of WEEE shall take place using lifting equipment in conformity with the requirements of the Work Equipment (Minimum Safety and Health Requirements) Regulations L.N. 293/2016 (S.L. 424.35) through designated labelled routes. Personnel carrying out such transfers shall be proven to be adequately trained in such procedure.^o
- 2.2.44 All dismantling and storage of WEEE shall be carried out in contained and roofed areas.
- 2.2.45 All bulk liquid storage tanks shall be provided with an adequately designed bund system with an impermeable base and walls. All process and storage areas must be appropriately

contained . The capacity of the bund shall be a minimum of 110% of the largest tank within the bund or 25% of the total capacity of all the tanks within the bund, whichever is greater. All filling and off-take points shall be located within the bund.

Odour

- 2.2.46 The Permit Holder shall use BAT so as to prevent or where that is not practicable to reduce odorous emissions from the Permitted Installation, in particular by:
- a. Limiting the use of odorous materials;
 - b. Restricting odorous activities;
 - c. Controlling the storage conditions of odorous materials;
 - d. Controlling processing parameters to minimise the generation of odour;
 - e. Optimising the performance of abatement systems;
 - f. Timely monitoring, inspection and maintenance;
 - g. Employing, where appropriate, an approved odour management plan;
- provided always that the techniques used by the Permit Holder shall be no less effective than those described in the Application, where relevant.
- 2.2.47 There shall be no significant offensive odour, as perceived by an Authorised Officer of the Competent Authority, at sensitive locations.

2.2.7 Noise and Vibration

- 2.2.48 The Permit Holder shall use BAT so as to prevent or where that is not practicable to reduce emissions of noise and vibration from the Permitted Installation, in particular by:
- a. equipment maintenance, e.g. circulating pumps, extraction fans, compressors.
 - b. use and maintenance of appropriate attenuation, e.g. silencers, barriers, enclosures;
 - c. appropriate timing and location of noisy activities and vehicle movements;
 - d. periodic checking of noise emissions, either qualitatively or quantitatively;
 - e. mounting any equipment or machinery which may cause substantial vibrations on rubber mountings or other specialized vibration reduction mountings in order to reduce vibration impacts; and
 - f. maintenance of building fabric.
- provided always that the techniques used by the Permit Holder shall be no less effective than those described in the Application, where relevant.
- 2.2.49 Emergency generators/alarms/sirens/release valves shall only be tested between the hours of 10.00 and 17.00 Monday to Friday and not on any Public Holiday.
- 2.2.50 The level of noise emitted from the installation at all operational times shall not exceed the background noise level by more than 5dB.
- 2.2.51 Noise monitoring is to be carried out annually (or as otherwise agreed with the Authority), starting in the first year of full operation, to ensure that the above limits are not exceeded. Noise monitoring shall also be carried out upon commissioning of any new equipment which in the opinion of the Authority has the potential to significantly increase noise emissions from the installation. The Operator shall submit to the Authority a method statement for carrying out a Noise Monitoring Survey in line with the Terms of Reference provided in Schedule 4. Once the method statement is approved by the Authority, the noise monitoring survey shall be initiated.
- 2.2.52 Based on the results of the noise monitoring, the Permit Holder may be requested to submit a proposal for an action plan aimed at reducing noise from those sources which have resulted in significantly high noise levels.
- 2.2.53 The proposal for an action plan is to be submitted and approved by the Authority, which reserves the right to request any additional measures as deemed necessary.

- 2.2.54 Based on the results of the noise monitoring, the Authority reserves the right to restrict the hours of operations.
- 2.2.55 As part of the AER, records of noise monitoring of the previous year or as otherwise agreed with ERA shall be submitted to the Competent Authority by not later than end of March after the end of each reporting year, in the format specified in Schedule 2 of this permit. A detailed report shall also accompany such results.

2.3 Batteries

- 2.3.1 The waste batteries types listed in Schedule 3 as per the individual EWC codes are the only waste batteries that can be accepted on site.
- 2.3.2 The Permit Holder shall use BAT in the storage and handling of batteries at the Permitted Installation.
- 2.3.3 All waste battery storage, including temporary storage, shall take place in areas with impermeable surfacing and suitable weatherproof covering or indoors.
- 2.3.4 All waste batteries must be segregated in designated storage areas for each waste stream. These storage areas must be clearly labelled and no mixing of different hazardous wastes, including mixing of different types of batteries, is permitted.
- 2.3.5 The Permit Holder is to provide evidence to the Authority on an annual basis as part of the AER in Schedule 2 that the overseas facility starting the recycling process (defined as the 'first recycler' in Commission Regulation (EU) 493/2012) has a recycling efficiency rate which achieves the targets set out in Directive 2006/66/EU
- 2.3.6 The Permit Holder shall only export batteries to authorised facilities abroad which have been pre-approved by the respective foreign authority. Any changes to the export facility being considered must first be communicated to and authorised by the Authority.
- 2.3.7 Approval of new export facilities will in part be based on a certificate showing the recycling efficiencies achieved within the previous year; and shall include the following information as a minimum:
- a. Recycling efficiencies achieved specified by battery type
 - b. Date of issue of certification
- 2.3.8 Any accidental release of substances shall be duly treated prior to discharge into the sewers (subject to clearance from the WSC), or disposed as waste. Records shall be kept of such discharges, including the volume discharged and other parameters, as agreed with the Water Services Corporation, as per the Sewer Discharge Permit.

2.4 Waste

Waste acceptance

- 2.4.1 The Permit Holder shall apply the precautionary principle to safeguard the environment whilst carrying out the permitted activities and shall immediately refuse the entry of waste that is suspected to be in breach of the conditions of this permit.
- 2.4.2 The Permit Holder shall only accept waste for which a permitted disposal/recovery route for the output of the treatment is determined.
- 2.4.3 The Permit Holder shall ensure that any incoming waste shall be visually inspected to check compliance with the description received during the pre-acceptance process.
- 2.4.4 The Permit Holder shall only accept degassed equipment if it is also accompanied by a degassing certificate issued by a competent technician. Should said certification not be available, the Permit Holder shall check each and every degassed incoming waste item for any remaining gas retained within the refrigerant storage tank.

- 2.4.5 The designated and labelled quarantine area (as indicated in IP 000613DOC1) shall be kept within the site boundary to temporarily hold unpermitted waste that may inadvertently enter the site. A non-leaking skip or similar contained structure shall be utilised for the temporary storage of unpermitted waste. The quantity of waste in the quarantine area should not exceed the capacity of said area at any given time. Waste stored in the area shall be suitably banded and kept covered at all times. Such wastes shall not be mixed with other wastes on site.
- 2.4.6 The Permit Holder shall maintain records of the weight of each waste consignment received and /or removed from the site, and such data is to be collected using a properly calibrated weighbridge.
- 2.4.7 The Permit Holder shall ensure to issue a receipt for every consignment of wastes accepted on Site indicating the date and time of the consignment and the weight of the waste received. Each certificate/receipt shall indicate the site name and permit number, as well as bearing a unique sequential number. Records of all waste consignments leaving the site shall also be formally recorded.
- 2.4.8 The Permit Holder shall maintain a waste tracking system with a unique identifier for each waste consignment which shall at least include the date and time of arrival on site and the waste code.
- 2.4.9 Pursuant to regulation 3(2) of the Waste Management (Shipments of Waste) Regulations (S.L.549.65), all imports of waste destined for disposal in Malta are prohibited, irrespective of the nature of the waste being imported.
- 2.4.10 As part of the Annual Environmental Report for the installation, the Permit Holder shall produce a report on the wastes accepted at the Permitted Installation over the previous calendar year, providing the information listed in Schedule 2.
- 2.4.11 No liquid wastes shall be accepted for treatment or storage on site.

Waste storage and handling

- 2.4.12 The Permit Holder shall use BAT in the design, maintenance and operation of all facilities for the storage and handling of waste on site such that there are no releases to water or land during normal operation and that emissions to air and risk of accidental release to water or land are minimised.
- 2.4.13 All wastes shall be stored within their designated and controlled storage area(s) prior to ultimate disposal or recovery. Any unpermitted wastes that may inadvertently enter the site must be stored in a clearly defined quarantine area and not be mixed with other wastes on site.
- 2.4.14 All liquid hazardous wastes (including wastes containing liquids, e.g. batteries) shall be stored indoors or under cover in a suitably banded area.
- 2.4.15 The total amount of waste that can be stored at any given time cannot exceed the limits of the site boundary and their designated storage areas as outlined in site plan in Schedule 7. The total amount of waste that can be stored at any given time cannot exceed the capacity of the permitted facility as set out during the IPPC permit application process.
- 2.4.16 No waste shall be deposited, stored, treated or otherwise handled in any area of the site that is not impermeable and where thorough clean up and site reinstatement cannot be readily undertaken.
- 2.4.17 Storage of wastes accepted on site shall not exceed a period of 12 months on site if pending disposal and 36 months if pending recovery

- 2.4.18 Operator is to ensure that any waste arising from mechanical parts and engineering activity, amongst others, shall be free from contamination by oils, lubricants and other hazardous liquids.
- 2.4.19 Each tank, drum or other mobile container used to hold wastes associated with the operation of the plant particularly waste oils shall be clearly and unambiguously labelled regarding its contents, unless the contents are clearly identifiable by visual inspection.
- 2.4.20 In the case of major spillages of waste oil which are causing or are likely to cause polluting emissions to the environment, immediate action shall be taken to contain and clean the spillage and prevent liquid from entering surface water drains and impermeable ground.
- 2.4.21 Waste oils collected from WEEE received on site must be stored and treated according to oil type. No mixing of different oils is permitted at any stage of the process.
- 2.4.22 The Permit Holder shall take measures to avoid the accumulation of waste and shall regularly monitor the quantity of waste stored with respect to the maximum allowed storage capacity. A daily stock of every waste stream shall be provided immediately upon request.

Waste recovery or disposal

- 2.4.23 Prior to initiating any waste export procedure, the Permit Holder shall check with the Competent Authority in the country of export, to ensure that the correct waste classification according to the relevant Annexes of Regulation No 1013/2006 on shipments of waste are being applied.
- 2.4.24 Waste which has already started to be processed (e.g. through degassing offsite, dismantling etc.) shall only be accepted from installations authorised by ERA for that specific activity.
- 2.4.25 No incineration of waste or any other materials is permitted on site.
- 2.4.26 The Permit Holder shall keep up to date records of all incoming and outgoing wastes. Such a system of record keeping shall include records of:
 - a. Quantities of waste;
 - b. Information on the date of acceptance/removal from site;
 - c. European Waste Catalogue (EWC) code of the waste;
 - d. Consignment note number, in the case of hazardous wastes;
 - e. Description of the waste;
 - f. The mode of transport and the names of the agent and transporter of the waste, together with the Waste Carrier Registration Number (GBR Number) where applicable;
 - g. Information on where such wastes are deposited and the name of the person responsible for ultimate disposal or recovery;
 - h. Whether wastes are recovered or disposed, and if they are recovered, the details of this process;
 - i. Information on any treatment/s applied (before disposal/recovery).
- 2.4.27 Without prejudice to condition 2.4.2322, disposal of wastes including rejects, expired products, and other wastes are to be managed in accordance with the legal obligations of S.L. 549.63 the Waste Regulations 2011, or any statutory provisions or regulations

amending or replacing them. Off-site disposal or recovery of wastes may only take place at a facility licensed for that purpose.

- 2.4.28 End-of-waste criteria must be met for any waste to be classified as a product. In such cases, the Permit Holder shall comply with relevant criteria set by legislation. In the absence of any relevant legislation, the Permit Holder shall follow the procedure laid down in Regulation 6 of S.L. 549.63 the Waste Regulations 2011.
- 2.4.29 Without prejudice to condition 2.4.2322, movement of hazardous waste to authorised facilities shall be covered by a valid consignment permit obtainable from the Competent Authority. Each movement shall also be covered by a consignment note obtainable from the Authority.
- 2.4.30 Any documentation related to transfer of waste to and from the site and/or related to its end-disposal shall be kept on record and made available for inspection for a period of at least 5 years from date of their issue.
- 2.4.31 Transboundary movement of waste shall be carried out in accordance with the following regulations, as amended from time to time:
- a. Regulation (EC) N° 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste as implemented through S.L. 549.65.
 - b. Commission Regulation (EC) N° 1418/2007 of 29 November 2007 concerning the export for recovery of certain waste listed in Annex III or IIIA to Regulation (EC) N° 1013/2006 of the European Parliament and of the Council to certain countries to which the OECD Decision on the control of transboundary movements of waste does not apply; and
 - c. Any other applicable legislation.
- 2.4.32 As part of the Annual Environmental Report for the installation, the Permit Holder shall produce a report on the off-site transfers of waste from the Permitted Installation over the previous calendar year, providing the information according to the approved template for reporting for that given year.
- 2.4.33 All wastes leaving the site after storage and/or separation must only be sent to facilities licensed to accept the individual waste stream, either locally or abroad. The categories of waste which may be processed further on site are limited to those specific wastes for which a method statement was submitted to and approved by the Authority. All other waste shall not be processed.

Degassing of equipment except fridges and freezers

- 2.4.34 Degassing of WEEE shall only take place by personnel proven to be adequately trained.
- 2.4.35 Further to improvement programme Item 4, and until such time that the requirements are implemented, the Permit Holder shall maintain a scheduled plan indicating how WEEE containing the same refrigerant gases shall be degassed during the same episode so as to minimise emissions to air which arises from purging of degassing equipment.
- 2.4.36 All refrigerant shall be removed from WEEE using vacuum suction systems, achieving a removal of at least 93%. Whenever a valve is not available on the equipment being degassed, a piercing-plier shall be used to access the gas in the equipment by creating a tight seal.
- 2.4.37 Upon decommissioning of all equipment containing substances falling within the scope of EC Regulation No. 1005/09 on substances that deplete the Ozone Layer and Subsidiary Legislation 549.58, the Regulations on substances depleting the ozone Layer, together

with Regulation (EU) No 517/14 on fluorinated greenhouse gases and repealing Regulation (EC) No. 842/06, in instances where such substances are kept in tanks/containers or utilised in foam and insulation panels, the waste gas shall be treated as hazardous waste and any foam containing components needs to be disposed of at specialised facilities where possible ODS/ F gas can be extracted prior to disposal.

- 2.4.38 No degassing of freezers and/or fridges shall be carried out on site. Fridges and freezers may be accepted on site for storage only, pending export to authorised facilities.
- 2.4.39 No removal of oil from WEEE containing refrigerant gases (EWC 16 02 11*, 20 01 23*) shall take place on site.
- 2.4.40 Loading and unloading of waste refrigeration equipment shall be undertaken in a manner to prevent release of ODS and fluorinated greenhouse gases.
- 2.4.41 Only HFCs can be collected for resale. All other refrigerant gases collected from the degassing of WEEE and from the oil filtering equipment must be exported as waste to a Commission approved destruction facility. Such facilities must be in line with destruction technologies listed in Annex 7 of EC Regulation No. 1005/2009.
- 2.4.42 Containers for storage of refrigerants and residual materials shall be inspected daily for leaks.
- 2.4.43 Each tank, drum or other mobile container used to hold wastes associated with the operation of the plant (particularly refrigerant gases) shall be clearly and unambiguously labelled regarding its contents, unless the contents are clearly identifiable by visual inspection as well as inspected and maintained as per condition 2.4.43 below.
- 2.4.44 In the event of damage or deterioration to a container that is, or is likely to cause, a leak, that container shall be repaired or replaced immediately as per condition 2.4.44 below.
- 2.4.45 Containers found to be leaking either shall be immediately transferred to a larger over-container or shall have their contents immediately transferred to an alternative container.
- 2.4.46 Containers used for refrigerant gas intended for resale must be refillable and in line with Directive 2010/35/EU on transportable pressure equipment.
- 2.4.47 Products and equipment containing ozone depleting substances (ODS) and fluorinated greenhouse gases (F-Gas) shall be transported to the site in such a way so as not to damage parts which contain such substances. The permit holder shall conform with this condition from the point of collection of such equipment until all ODS and F Gases are extracted from this equipment and stored for destruction.
- 2.4.48 Upon decommissioning of all equipment containing substances falling within the scope of EC Regulation No. 1005/09 on substances that deplete the Ozone Layer & S.L 549.06 – Environment Protection (Control of Substances depleting the ozone layer) Regulations, or containing foam and insulation panels utilising such substances the waste gas should be treated as hazardous waste and any foam containing components need to be disposed of at specialised facilities where possible ODS/ F gas can be extracted prior to disposal.

Waste Electric and Electronic Equipment (WEEE) storage and treatment

- 2.4.49 Fridges, freezers and batteries shall be accepted for temporary storage and export only without any other treatment including depollution.
- 2.4.50 All WEEE storage including temporary storage pending further processing on site shall be kept indoors or in areas covered with weatherproof material at all times.

- 2.4.51 WEEE not falling under condition 2.4.52 shall always be classified as hazardous and its transfer to and from the facility shall always follow the Consignment Permit/Note procedure. Such WEEE includes whole appliances, batteries, display, refrigeration equipment, discharge lamps, fluorescent tubes and laptops.
- 2.4.52 Separate WEEE fractions that have been depolluted (treated) in an authorised WEEE dismantling facility or by the Permit Holder can be considered to be non-hazardous if the respective facility certifies that the separate fractions do not exhibit properties that meet the characteristics listed in Schedule 3 of S.L.549.63 the Waste Regulations 2011.
- 2.4.53 Electric motors and printed circuit boards, without hazardous components and/or substances and not mixed with other waste, are considered to be non-hazardous waste, and should be classified under EWC 16 02 16. Plastic, metals, as well as external wires, shall also be considered to be non-hazardous waste, and classified under EWC 16 02 16. Wastes classified as EWC 16 02 16 shall only be accepted on site if covered by a documentation showing that they originated directly from another facility authorised to handle WEEE. Electric motors and printed circuit boards containing hazardous components should be classified as hazardous under EWC 16 02 15*.
- 2.4.54 Any WEEE accepted on site shall not be shredded as a whole but manually dismantled in designated covered areas prior to further processing according to the IP0006/13/DOC2. Any resulting non-hazardous components can then be shredded according to the method statements.
- 2.4.55 Any hazardous wastes shall be stored in a designated and controlled storage area(s) prior to ultimate disposal. All WEEE storage and dismantling must take place indoors or in a covered area, with impermeable flooring. Dismantled components of WEEE shall not be mixed together in the same container. Other hazardous wastes of different natures shall also be kept separated.
- 2.4.56 Areas dedicated for WEEE may not be used for storage of any other wastes other than waste electronics.
- 2.4.57 The area indicated for WEEE may not be used for storage or processing of any other wastes other than waste electronics. At least one (1) suitable work stations for dismantling of approximately 6m² must be set up, equipped with the necessary tools and proper component segregation bins.
- 2.4.58 WEEE containing Cathode Ray Tubes (CRTs) and fluorescent tubes may only be treated using the same methodology as described in IP0006/13/DOC2 and within the designated areas on site.
- 2.4.59 Toner cartridges may only be dismantled using the same methodology as included in IP0006/13/DOC2 and within the dedicated dismantling equipment.
- 2.4.60 Contingency procedures submitted as part of the Emergency Plan shall be followed in case of accidental damage whilst handling CRTs or fluorescent/neon tubes on site, or when damaged or broken CRTs and fluorescent tubes are inadvertently brought on site.
- 2.4.61 Crushing/ shredding equipment shall be fed manually in a way that the feed is equalised by avoiding disruption or overload of the waste feed which would lead to unwanted shutdowns and start-ups.
- 2.4.62 The Permit Holder shall comply with the minimum technical requirements for storage and treatment of WEEE as stipulated by set out in Schedule 8 of S.L. 549.89 Waste Management (Electrical and Electronic Equipment) Regulations and reiterated in Schedule 5 of this permit.

Wood Treatment

- 2.4.63 End-of-waste criteria must be met for any waste to be classified as a product. In such cases, the permit holder shall comply with relevant criteria set by EU legislation. In the absence of any relevant EU legislation, the permit holder shall follow the procedure laid down in Regulation 6 of Subsidiary Legislation 549.63. Until such time that End of Waste status is achieved for the animal bedding, this shall be regarded as waste and managed accordingly
- 2.4.64 Wood not reaching the End of Waste criteria according to the Waste Framework Directive (Directive 2008/98/EC) shall be sent to an authorised facility permitted to accept such waste.
- 2.4.65 Testing and analysis of wooden animal bedding shall be carried out to determine whether this has reached the required standards to achieve the end-of-waste status for a product, as per condition 2.4.62.
- 2.4.66 Any shredded wood that is to achieve end-of waste criteria must adhere to the standards for production provided by the Authority.
- 2.4.67 All wood material originating from the dismantling of Cathode Ray Tube (CRT) TVs and monitors shall be kept within a covered area at all times, unless proven that such material is non-hazardous waste as per condition 1.6.2.

2.5 Management and Technically Competent Person

- 2.5.1 A copy of this Permit and those parts of the application referred to in this Permit shall be available at the place of work, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.
- 2.5.2 The site must be well secured to minimise the opportunity for unauthorised entry.
- 2.5.3 During non-operating hours the site should be firmly closed and totally inaccessible to third parties, both by vehicle and on foot.

Training

- 2.5.4 The Permitted Installation shall be supervised and controlled by staff who are suitably trained and fully conversant with the requirements of this Permit.
- 2.5.5 All staff shall be fully conversant with those aspects of the Permit conditions which are relevant to their duties and shall be provided with adequate professional technical development and training and written operating instructions to enable them to effectively carry out their duties.
- 2.5.6 The Permit Holder shall maintain a record of the skills and training requirements for all staff whose tasks in relation to the Permitted Installation may have an impact on the environment and shall keep records of all relevant training.

Maintenance

- 2.5.7 All plant and equipment used in operating the Permitted Installation shall be maintained in good operating condition and in such a manner to:
- a. Prevent corrosion as applicable
 - b. Ensuring access to potentially leaky equipment
 - c. Regularly controlling protective equipment.

2.5.8 Any vehicle/ equipment mechanical parts stored on site shall not be dismantled within the installation but transferred to facilities permitted for such an operation.

2.5.9 The Permit Holder shall maintain a record of plant and equipment covered by condition 2.5.7, and for such plant and equipment:

- a. A written or electronic maintenance programme; and
- b. Records of its maintenance.

Incidents and Complaints

2.5.10 The Permit Holder shall maintain and implement written procedures for:

- a. Taking prompt remedial action, investigating and reporting to the Competent Authority actual or potential non-compliance with operating procedures or emission limits and if such events occur;
- b. Investigating incidents, (including any malfunction, breakdown or failure of plant, equipment or techniques, down time, any short-term and long-term remedial measures and near-misses) and prompt implementation of appropriate actions; and
- c. Ensuring that detailed records are made of all such actions and investigations.

2.5.11 The Permit Holder shall record and investigate complaints concerning the Permitted Installation's effects or alleged effects on the environment and public health. The record shall give the date and nature of complaint, time of complaint, name of complainant (if given), a summary of any investigation and the results of such investigation and any action taken.

2.5.12 As part of the Annual Environmental Report, the Permit Holder shall provide a summary record of incidents and complaints in the format specified in Schedule 2. These records shall also be made available upon request during any inspection on site.

Attendance of Technically Competent Person(s)

2.5.13 The Technically Competent Person (TCP) is responsible for the implementation of all the obligations stipulated in this permit, must supervise the rest of the staff on site and shall be the Permit Holder's technical focal point for the implementation of the conditions of this permit. Attendance of the technically competent person(s) at the Site shall be recorded on arrival and departure.

2.5.14 For the whole operational hours permitted for the Site under this Permit, the Technically Competent Person/s shall be physically in attendance at the Site. Prior to start of operations, the Permit Holder is to provide details as to how he intends to provide this coverage in order to take into account unavoidable absences due to vacation or sick leave.

2.5.15 In the event of any short or long periods of leave of absence taken by the TCP for a period exceeding 10 days, the Permit Holder is obliged to find a replacement for that member of staff without delay.

2.5.16 Where the Authority has been notified that the site is either non-operational or closed, the Technically Competent Person shall be capable of attending the Site within one hour.

Changes in Technically competent Persons

2.5.17 Any changes/additions in technically competent management (Person/s) and the name of any incoming person together with evidence that such person has the required technical competence and 24-hour contact details shall be submitted to the Authority in writing within 5 working days of the change in management.

- 2.5.18 In the event of the death, dismissal, resignation, leave, or of extended sick leave of the Technically Competent Management of the Site, the Permit Holder shall immediately inform the Authority, and prove to the Authority that the Permit Holder is actively seeking a replacement.

2.6 Energy Efficiency

- 2.6.1 As part of the Annual Environmental Report, the Permit Holder shall produce a report on the energy consumed at the Permitted Installation over the previous calendar year, by the end of March of each year, providing the information listed in Schedule 2.
- 2.6.2 The Permit Holder shall maintain and operate the Permitted Installation so as to secure energy efficiency, in particular by:
- a. Ensuring that the appropriate operating and maintenance systems are in place;
 - b. Ensuring that all the plant is adequately insulated to minimise energy loss or gain;
 - c. Ensuring that the type of lighting used is energy-efficient;
 - d. Ensuring that all appropriate containment methods (e.g. seals) are employed and maintained to minimise energy loss;
 - e. Maintaining and implementing an energy efficiency plan which identifies energy-saving techniques that are applicable to the activities and their associated environmental benefit, and prioritises them.

2.7 Accident prevention and control^o

- 2.7.1 In the case of an accident, the Permit Holder shall follow the Emergency Plan submitted as part of the IPPC application, as may be updated from time to time.
- 2.7.2 The plan shall be reviewed at least every 2 years or as soon as practicable after an accident, whichever is the earlier, and the Authority notified of the results of the review within 2 months of its completion.
- 2.7.3 The Permit Holder shall maintain and implement all health and safety measures in compliance with Act XXVII of 2000; Occupational Health and Safety Authority Chapter 424 and all relevant subsidiary legislation.
- 2.7.4 The Permit Holder shall have sufficient employees trained to deal with any emergency that may arise, e.g. fire-fighting, spills and first aid.
- 2.7.5 The Permit Holder is to keep the Authority updated on any major changes in operations that may impact on the health and safety of the employees, which shall be carried out in compliance with Act XXVII of 2000 (Occupational Health and Safety Authority Act, 2000 (Chapter 424)) and all relevant subsidiary legislation.
- 2.7.6 The Permit Holder is to make available Health and Safety documentation freely available, in compliance with Act XXVII of 2000 (Occupational Health and Safety Authority Act, 2000 (Chapter 424)) and all relevant subsidiary legislation.
- 2.7.7 Without prejudice to other conditions in this permit, all requirements and conditions in approved document IP 0006/13/DOC3 shall apply and be enforced by the Civil Protection Department.
- 2.7.8 The provisions of L.N. 5 of 2006 regarding Legionella Control are to be taken into consideration in view of showers and eye wash centre.

2.8 Monitoring

- 2.8.1 Sampling and analysis of all pollutants, as well as reference measurement methods to calibrate automated, continuous measurement systems shall be carried out as specified by the appropriate CEN standards. If CEN standards are not available, ISO standards, national or international standards, which will ensure the provision of data of an equivalent scientific quality, as agreed in writing with the Authority, shall apply.
- 2.8.2 Monitoring equipment, techniques, personnel and organisations employed for the monitoring requirements of this Permit and waste sampling shall be from a certified or accredited laboratory or laboratory in the process of accreditation, as confirmed by the National Accreditation Body (NAB-Malta). As part of the Annual Environmental Report, the Permit Holder shall provide evidence of certification or accreditation of laboratories used for the emissions monitoring programme.
- 2.8.3 The Permit Holder shall maintain records of all monitoring taken or carried out (this includes records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys) and any assessment or evaluation made on the basis of such data, for at least a period of 5 years. Such records may be requested at any time by the Authority.
- 2.8.4 The Permit Holder shall provide ERA with monitoring reports as indicated in Section 4 of this permit.
- 2.8.5 There shall be provided safe and permanent means of access to enable sampling/monitoring to be carried out in relation to the emission points already mentioned in this Permit; and safe means of access to other sampling/monitoring points when required by the Authority.

2.9 Transport

- 2.9.1 Independent of any Environment Management System, the Permit Holder shall be responsible for making use of the services of an ADR (The European Agreement concerning the International Carriage of Dangerous Goods by Road) certified carrier for transport of chemicals and hazardous wastes on land.
- 2.9.2 The Permit Holder shall make use of the services of a registered waste carrier for the transport of waste from the site in accordance with S.L. 549.45.
- 2.9.3 Trucks leaving and entering the site must be properly contained so as to avoid possible escape of material.
- 2.9.4 As part of the AER, the Permit Holder shall submit the details of each carrier used in the transport of the substances specified in conditions 2.9.1 and 2.9.2, in the format specified in Schedule 2 of this Permit, by end of March after the end of each reporting year.

2.10 Closure and Decommissioning

- 2.10.1 The Permit Holder shall maintain and operate the Permitted Installation so as to prevent or minimise any pollution risk, including the generation of waste, on closure and decommissioning in particular by:
- a. Attention to the design of new plant or equipment;
 - b. The maintenance of a record of any events which have, or might have, impacted on the condition of the site along with any further investigation or remediation work carried out; and
 - c. The maintenance of an outline-decommissioning plan as per conditions 2.10.2 and 2.10.3.

- 2.10.2 The Permit Holder shall maintain an Outline Decommissioning Plan for the installation. This Outline Decommissioning Plan shall at least include the following information:
- a. A draft waste management strategy which shall include:
 - i. The identification and characterisation of sources, types of wastes (including equipment, tanks, fuels and by-products);
 - ii. Criteria for segregation of wastes;
 - iii. Proposed treatment, conditioning, transport, storage and disposal/recovery methods;
 - iv. Potential reuse/recycling of such wastes.
 - b. A qualitative assessment of the potential for contamination of land and groundwater pollution which might arise from the historical and current processes carried out at the installation.
 - c. The identification of potential sources of emissions to the atmosphere, land and water (both seawater and groundwater) pollution which might arise from the decontamination process and corresponding mitigation measures to minimise the likelihood of such emissions.
- 2.10.3 The Permit Holder shall carry out a full review of the outline Decommissioning Plan at least every 4 years.
- 2.10.4 The land and groundwater monitoring strategy referred to in 2.10.2 shall fulfil these requirements:
- a. The list of the pollutants to be monitored.
 - b. The location of the points for the sampling of land, the sampling methods, the handling of the samples, the pre-treatment/extraction of the analytes (where applicable) and the methods used in order to analyse the samples are clearly detailed.
 - c. Samples will be analysed to the relevant EN or EN ISO standards or equivalent.
 - d. Samples shall be managed by a lab accredited (or in the process of accreditation, as confirmed by the National Accreditation Body (NAB-Malta) or equivalent) to at least EN ISO 17025:2017 and preferably accredited for each and every analysis.
- 2.10.5 The Permit Holder shall maintain and operate the Permitted Installation so as to prevent or minimise any pollution and public health risk, including the generation of waste, on closure and decommissioning in particular by:
- a. Attention to the design of new plant or equipment;
 - b. The maintenance of and record of any events which have, or might have, impacted on the condition of the site along with any further investigation or remediation work carried out; and
 - c. The maintenance of a decommissioning plan to demonstrate that the installation can be decommissioned avoiding any pollution and public health risk and returning the site of operation to a satisfactory state.
- 2.10.6 The Permit Holder shall notify the Authority immediately upon a decision being taken to decommission all or part of the site, or planned cessation for a period greater than 6

months, of all or part of the permitted activities. The Authority may impose further requirements in the case of planned cessation for a period greater than 6 months.

2.10.7 The Permit Holder shall notify the Authority prior to ceasing operations permanently in part or full, whereby an application for cessation of operations shall be made to the Authority and shall include a decommissioning plan.

2.10.8 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the installation in the permitted activity, the Permit Holder shall to the satisfaction of the Authority, decommission, render safe or remove for disposal/recovery, any land, subsoils, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution and that may pose a public health risk.

2.10.9 One year before the planned decommissioning of all or part of the site, the Permit Holder shall submit for approval to the Authority a full Decommissioning Plan which shall at least include:

- a. Updated land and groundwater monitoring results (as per the approved monitoring proposal in condition 2.10.4) showing the state of land and groundwater upon cessation of activities.
- b. A comparison between the monitoring submitted as part of the baseline report and the monitoring carried out as per condition 2.10.9 (a) to assess whether significant pollution of land and groundwater by relevant hazardous substances has been caused by the installation.
- c. The levels to which the site and any affected land and groundwater will have to be decontaminated to ensure that the site is returned to the state in the first monitoring carried out as part of the baseline report.
- d. Where the contamination of land and groundwater at the site poses a significant risk to human health or the environment as a result of the activities carried out by the Permit Holder, the Permit Holder shall submit a report indicating the actions to be taken for removal, control, containment or reduction of relevant hazardous substances so that the site, taking into account its current or approved future use, ceases to pose such a risk.
- e. The methods which will be used in order to decontaminate the land. Such methods may also include isolation.
- f. A detailed waste management strategy which shall include:
 - i. The identification and characterisation of sources, types and quantities of waste (including equipment, fuels, by-products such as ash, etc.);
 - ii. Criteria for segregation of wastes;
 - iii. Proposed treatment, conditioning, transport, storage and disposal/recovery methods;
 - iv. Potential reuse/recycling of such wastes.
- g. The identification of potential sources of emissions to the atmosphere, land and water (both seawater and groundwater) pollution which might arise from the decontamination process and corresponding mitigation measures to minimise the likelihood of such emissions.
- h. Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the installation in the permitted

activity, the Permit Holder shall to the satisfaction of the Authority, decommission, render safe or remove for disposal/recovery, any land, subsoils, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution and that may pose a public health risk.

- 2.10.10 The approved Decommissioning Plan shall be implemented within 12 months of final cessation or decommissioning of the Permitted activities or part thereof or according to a timeframe as may be agreed with the Authority.

2.11 Multiple Operator installations

- 2.11.1 This is not a multi-Operator installation.

3 Records

- 3.1 Records should be kept on site in which the following information shall be recorded on a daily basis:

- 3.1.1 Total amount of waste in kilos accepted on site;
- 3.1.2 Total amount of waste in kilos removed from site for disposal or further treatment;
- 3.1.3 Total amount of waste in kilos refused entry on site;
- 3.1.4 Total amount in kilos of unaccepted material sent to the quarantine area and by which registered waste carrier it was transported;
- 3.1.5 Any incidents that took place on site such as mechanical faults in the machinery or equipment used on site, any spills, fires, etc., and the remedial action taken;
- 3.1.6 Any other incidents that the Permit Holder deems important to be recorded. Each event recorded must be completed within 24 hours of the event.

- 3.2 The Permit Holder shall maintain a record of filter media checks and replacements, as required, on a weekly basis.

- 3.3 The Permit Holder shall maintain a computer database linked to the weighbridge data, allowing for tracking of incoming and outgoing waste, and act as a stock control system.

- 3.4 The Permit Holder shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:

- a. be made available for inspection by the Authority upon request;
- b. be supplied to the Authority on demand and without charge and in the format requested;
- c. be legible;
- d. indicate any amendments which have been made and shall include the original record wherever possible; and
- e. be retained at the Permitted Installation, or other location agreed by the Authority in writing, for a minimum period of 5 years from the date when the records were made, unless otherwise agreed in writing.

4 Reporting

- 4.1 All reports and written and/or verbal notifications required by this Permit and notifications required by Regulation 7 of the Industrial Emissions (IPPC) Regulations shall be made and sent to the Authority using the contact details notified in writing to the Permit Holder by the Authority.

- 4.2 The Permit Holder shall submit to the Authority an Annual Environmental Report (AER) of the previous year by not later than end of March of each year, providing the information listed in Schedule 2 of this permit and the reporting templates available on the ERA website and in the format specified therein as communicated by ERA from time to time). It shall be ensured that all certification and documentation as per Schedule 2 are submitted. The AER shall be forwarded to the Authority in electronic format.
- 4.3 An independent auditor shall be engaged by the Permit Holder to certify all of the waste reporting required by this permit, in line with the Audit Procedures - Terms of Reference found in Schedule 6 of this permit. The results of such audit are to be submitted to the Authority in the form of a report, as part of the AER or by the 31st of March of each reporting year, The Authority may carry out any such audits on the installation itself as deemed necessary at the expense of the Permit Holder in line with condition 1.7.21.
- 4.4 In the case of waste that is sent for treatment or recovery to another facility locally or abroad, the audit trail shall cover all waste from the point of generation or collection to the end recovery or disposal facility.
- 4.5 The Permit Holder shall, within 6 months of receipt of written notice from the Authority, submit to the Authority a report assessing whether all appropriate preventive measures continue to be taken against pollution, in particular through the application of the best available techniques, at the installation. The report shall consider any relevant published technical guidance current at the time of the notice which is either supplied with or referred to in the notice, and shall assess the costs and benefits of applying techniques described in that guidance, or otherwise identified by the Permit Holder, that may provide environmental improvement.
- 4.6 In the event where operations cease temporarily (2 weeks or more), the TCP or Operator are obliged to notify the Authority within two (2) days and are also to inform the Authority with regards to when the works are intended to resume.

5 Notifications

- 5.1 The Permit Holder shall notify the Authority without delay of:-
- 5.1.1 the detection of an emission of any substance which exceeds any limit or criterion in this Permit specified in relation to the substance;
 - 5.1.2 the detection of any fugitive emission which has caused, is causing or may cause exceedances of the emission limit values stipulated in the permit;;
 - 5.1.3 the detection of any malfunction, breakdown or failure of plant or techniques which has caused, is causing or has the potential to cause exceedances of the emission limit values stipulated in the permit; and
 - 5.1.4 any accident which has caused, is causing or has the potential to cause significant pollution and/or public health risk.
- 5.2 The Permit Holder shall submit written confirmation to the Authority of any notification under condition 5.1, by sending:-
- 5.2.1 the information listed in Schedule 1 to this Permit within 24 hours of such notification; and
 - 5.2.2 the information regarding non-compliance incidents in Schedule 2 according to the timeframe specified in Condition 4.2;
- and such information shall be in accordance with that Schedule.

- 5.3 The Permit Holder shall give written notification as soon as practicable prior to any of the following:-
- 5.3.1 permanent cessation of the operation of part or all of the Permitted Installation;
 - 5.3.2 cessation of operation of part or all of the Permitted Installation for a period likely to exceed 1 year; and
 - 5.3.3 resumption of the operation of part or all of the Permitted Installation after a cessation notified under condition 5.3.2.
- 5.4 The Permit Holder shall notify the Authority, as soon as practicable, of any information concerning the state of the site which affects or updates that provided to the Authority as part of the Site Report submitted with the application for this Permit.
- 5.5 The Permit Holder shall notify the following matters to the Authority in writing within 10 working days of their occurrence:-
- 5.5.1 Where the Permit Holder is a registered company:
 - a. any change in the Permit Holder's trading name, registered name or registered office address;
 - b. any change to particulars of the Permit Holder's ultimate holding company (including details of an ultimate holding company where an Operator has become a subsidiary); and
 - c. any steps taken with a view to the Permit Holder going into administration, entering into a company voluntary arrangement or being wound up.
 - 5.5.2 Where the Permit Holder is a corporate body other than a registered company:
 - a. any change in the Permit Holder's name or address; and
 - b. any steps taken with a view to the dissolution of the Permit Holder.
 - 5.5.3 In any other case:
 - a. the death of any of the named Operators (where the Permit Holder consists of more than one named individual);
 - b. any change in the Permit Holder's name(s) or address(es);
 - c. any steps taken with a view to the Permit Holder, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case them being in a partnership, dissolving the partnership.

6 Interpretation

- 6.1 In this Permit, the following expressions shall have the following meanings:
- 6.1.1 "AER" means the Annual Environmental Report.
 - 6.1.2 "Application" means the application for this Permit, together with any response to a notice served under Regulation 5 to the Industrial Emissions (IPPC) Regulations and any operational change agreed under the conditions of this Permit.

- 6.1.3 “*Authorised Officer*” means any officer of the Authority authorised in writing pursuant to the Environment Protection Act 2016 to exercise any of the powers specified therein.
- 6.1.4 “*Background concentration*” means such concentration of that substance as is present in:
- a. water supplied to the site; or
 - b. where more than 50% of the water used at the site is directly abstracted from ground or surface water on site, the abstracted water; or
 - c. where the Permitted Installation uses no significant amount of supplied or abstracted water, the precipitation onto the site.
- 6.1.5 “*BAT*” means best available techniques, which means the most effective and advanced stage of development of activities and their methods of operation which indicates the practical suitability of particular techniques to prevent and where that is not practicable to reduce emissions and the impact on the environment as a whole. For these purposes: “available techniques” means “those techniques which have been developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the cost and advantages, whether or not the techniques are used or produced in Malta, as long as they are reasonably accessible to the Permit Holder”; “best” means “in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole” and “techniques” “includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.”
- 6.1.6 “*Fugitive emission*” means an emission to air or water (including sewer) from the Permitted Installation which is not controlled by an emission or background concentration limit under conditions 2.2.3 of this Permit.
- 6.1.7 “*Groundwater*” means all water which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.
- 6.1.8 “*Industrial Emissions (IPPC) Regulations*” means the Industrial Emissions (Integrated Pollution Prevention and Control) Regulations (S.L. 549.77) and words and expressions defined in the Industrial Emissions (IPPC) Regulations shall have the same meanings when used in this Permit save to the extent they are specifically defined in this Permit. It shall include any future amendments or superseding legislation.
- 6.1.9 “*Malta*” means the Island of Malta, the Island of Gozo and the other islands of the Maltese Archipelago, including the territorial waters thereof.
- 6.1.10 “*Monitoring*” includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.
- 6.1.11 “*Permitted Installation*” means the activities and the limits to those activities described in Table 1.1.1 of this Permit.
- 6.1.12 “*Sewer*” means sewer within the meaning of section 219(1) of the Water Industry Act 1991.

- 6.1.13 “*Staff*” includes employees, directors or other officers of the Permit Holder, and any other person under the Permit Holder’s direct or indirect control, including contractors.
- 6.1.14 “*Surface water*” means inland waters, except groundwater; transitional waters and coastal waters.
- 6.1.15 “*Technically Competent Person*” means a person possessing the qualifications, experience and technical competence to abide by the conditions of the Permit;
- 6.1.16 “*Technically Competent Management*” means the Technically Competent Person or Persons in control of the day-to-day activities authorised by the Permit and carried on at the Site;
- 6.1.17 “*The Authority*” or “*the Competent Authority*” or “*ERA*” means the Malta Environment and Resources Authority or such other body or person as the Minister responsible for the environment may by order in the Gazette prescribe;
- 6.1.18 “*The Permit Holder*” means the Permit Holder specified in the Permit or other person to whom the Permit has been transferred in accordance with the Industrial Emissions (Integrated Pollution Prevention and Control) Regulations (LN 10 of 2013), and any statutory provisions or regulations amending or replacing them;
- 6.1.19 “*The Permit Holder*” means a person who is in occupation of the Site and has responsibility for carrying out day to day activities at the Site;
- 6.1.20 “*The Regulations*” means the Industrial Emissions (Integrated Pollution Prevention and Control) Regulations 2013 (LN 10 of 2013), and any regulations amending or replacing them;
- 6.1.21 “*The Site*” means the land, structures, plant and equipment to which this Permit relates;
- 6.1.22 “*Year*” or “*reporting year*” means calendar year ending 31 December.
- 6.2 Where a minimum limit is set for pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.
- 6.3 Unless otherwise stated, any references in this Permit to concentrations of substances in emissions into air means:
- 6.3.1 In relation to gases from non-combustion sources, the concentration of dry gas at a temperature of 273.15 K and at a pressure of 101.3 kPa, with no correction for oxygen content, and expressed in $\mu\text{g}/\text{Nm}^3$ or mg/Nm^3 .
- 6.4 Where any condition of this Permit refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the document(s) with the most recent date shall prevail to the extent of such conflict.

Schedule 1

Notification of abnormal emissions

This page outlines the information that the Permit Holder must provide to satisfy conditions 5.1 and 5.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the Industrial Emissions (IPPC) Regulations.

Part A

| | |
|-------------------------------|--|
| Permit Number | |
| Name of Operator | |
| Location of Installation | |
| Location of the emission | |
| Time and date of the emission | |

| Substance(s) emitted | Media (e.g. air, groundwater) | Best estimate of the quantity or the rate of emission (include units) | Time between which the emission took place |
|----------------------|-------------------------------------|---|---|
| | | | |
| | | | |

| | |
|---|--|
| Measures taken, or intended to be taken, to stop the emission | |
|---|--|

Part B

| | |
|---|--|
| Any more accurate information on the matters for notification under Part A. | |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident. | |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission. | |
| The dates of any unauthorised emissions from the installation in the preceding 24 months. | |

| | |
|----------------------------|--|
| Name ⁱ | |
| I.D. Card No./Passport No. | |
| Post | |
| Signature | |
| Date | |

ⁱ authorised to sign on behalf of Operator

Schedule 2

Annual Environmental Report

Important note

By this submission, you confirm that you give your explicit consent for the entire contents of this Annual Environment Report to be made available on the Authority's public website.

S2.1 Introduction

| | |
|---|--|
| IPPC Permit Number | |
| Reporting Year | |
| Name and location of Site | |
| Brief description of activities at the site | |

S2.2 Environment Management System & Reporting

Please attach a supporting document with the following:

1. Environmental Policy containing the installation's environmental objectives and targets;
2. Environmental Management Programme report (for the reporting year);
3. Environmental Management Programme proposal (for the following year).

Tick (✓)

| |
|--|
| |
| |
| |

S2.3 Process Data**S2.3.1 Annual Summary**

| | Units | Previous reporting year ⁱ | Current reporting year |
|--|--|--------------------------------------|------------------------|
| Quantity of waste treated | tonnes | | |
| Total Annual Energy Consumption (from electricity and other sources) | MWh | | |
| Electricity from renewable energy sources | MWh | | |
| Total energy consumption per unit waste treated | MWh/tonne of waste treated | | |
| Annual water consumption from mains water | m ³ | | |
| Annual water consumption from rainwater | m ³ | | |
| Annual water consumption from other sources (e.g. bowser) | m ³ | | |
| Total water consumption per unit waste treated | m ³ /tonne of waste treated | | |
| Annual quantity of waste produced | tonnes | | |
| Waste produced per unit waste treated | tonne waste produced/tonne waste treated | | |

ⁱ "Previous reporting year" is not applicable for the first reporting year

S2.3.2 Fuel consumption

| | Units | Consumption | |
|-----|-------|---------------|--------------|
| | | Previous Year | Current Year |
| LPG | kg | | |

S2.3.3 Submission of Documentation

| Condition Number | Documentation | Tick (✓) |
|------------------|--|----------|
| 1.3.2 | Certification of weighbridge every year | |
| 2.2.42.2.4 | Air Emission Monitoring Results | |
| 2.2.30 | Sewer Discharge Permit every one year | |
| 2.2.35 | Site Containment and drainage system according to Table 1.4.1 and upon renewal | |
| 2.2.51 | Noise Monitoring Results | |
| 2.3.5 | Submission of Recycling Certificates for batteries on a yearly basis [ENaE1] [PCaE2] | |
| 2.8.1 | Laboratory accreditation certificate | |

S2.4 Monitoring Data

S2.4.1 Emissions to air

| Parameter | Emission point reference | Limit Value | Standard methodology used | Total annual number of exceedances ⁱ | | Concentration (Annual Average) | | | Total Annual Load | | |
|-----------------------------|--------------------------|----------------------|---------------------------|---|--------------|--------------------------------|---------------|--------------|-------------------|---------------|--------------|
| | | | | Previous year ⁱⁱ | Present year | Unit | Previous year | Present year | Unit | Previous year | Present year |
| Mercury (Hg) | 1 | 2 µg/Nm ³ | | | | µg/Nm ³ | | | kg | | |
| Dust | 1-3 | 5 mg/Nm ³ | | | | mg/Nm ³ | | | kg | | |
| Dioxin-like PCBs | 3 | - | | | | mg/Nm ³ | | | kg | | |
| Brominated flame retardants | 3 | - | | | | mg/Nm ³ | | | kg | | |
| Metals and metalloids | 3 | - | | | | mg/Nm ³ | | | kg | | |
| PCDD/F | 3 | - | | | | mg/Nm ³ | | | kg | | |

| | |
|--|--|
| Name of laboratory where tests in this section have been carried out | |
| Is this laboratory accredited (certified) for the above tests? | Yes <input type="checkbox"/> No <input type="checkbox"/> |

S2.4.2 HEPA Filter Integrity Monitoring

| Date of Inspection | Differential Pressure | | | | | | | Continue as required |
|--------------------|-----------------------|-----|-----|-----|-----|-----|-----|----------------------|
| | HF1 | HF2 | HF3 | HF4 | HF5 | HF6 | HF7 | |
| Week 1 | | | | | | | | |
| Week 2 | | | | | | | | |

ⁱ If the total number of exceedances exceeds 0, the value of each of these exceedances (for the reporting year) must be submitted in a separate report, together with action taken to regularise the situation.

ⁱⁱ "Previous year" is not applicable for the first reporting year.

| | | | | | | | | | |
|-----------------------------|--|--|--|--|--|--|--|--|--|
| Continue as required | | | | | | | | | |
|-----------------------------|--|--|--|--|--|--|--|--|--|

Additional documentation to be submitted:

| Efficiency certification | Tick (✓) |
|-----------------------------|----------|
| HF1 | |
| HF2 | |
| HF3 | |
| HF4 | |
| HF5 | |
| Continue as required | |

S2.4.2 Discharges to sewer

| | |
|--|---|
| Was trade effluent discharged to the sewer during the reporting year from E1? | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Was trade effluent discharged to the sewer during the reporting year from E2? | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Describe any changes to the Sewer Discharge Permit of the installation or changes made by the Water Services Corporation to monitoring requirements or frequency of monitoring as per condition 2.2.27. Include and refer to any associated documentation as required. | |

If trade effluent was discharged to the sewer from either effluent during the reporting year, the following table must be replicated and filled as relevant:

Effluent monitoring results from:

| Parameter ⁱ | Limit ⁱ | Standard methodology used | Total annual number of exceedances ⁱⁱ | | Concentration (Annual Average) | | | Total Annual Mass Emissions | | |
|------------------------|--------------------|---------------------------|--|--------------|--------------------------------|---------------|--------------|-----------------------------|---------------|--------------|
| | | | Previous year | Present year | Units | Previous year | Present year | Units | Previous Year | Present Year |
| Volume | - | | - | - | - | - | - | m ³ | | |

ⁱ As agreed with the Water Services Corporation, according to the Sewer Discharge Permit.

ⁱⁱ If the total number of exceedances exceeds 0, the value of each of these exceedances (for the reporting year) must be submitted in a separate report, together with action taken to regularise the situation.

| | | | | | | | | | | |
|--------------------------------|---------------|--|--|--|--|--|--|--|--|--|
| pH | 6-10 pH scale | | | | | | | | | |
| Total Suspended Solids (TSS) | 500 mg/L | | | | | | | | | |
| Chloride | 1000 mg/L | | | | | | | | | |
| Hydrocarbon oil index (HOI) | 10 mg/L | | | | | | | | | |
| Arsenic | 0.05 mg/L | | | | | | | | | |
| Boron | 2 mg/L | | | | | | | | | |
| Cadmium | 0.05 mg/L | | | | | | | | | |
| Chromium | 0.15 mg/L | | | | | | | | | |
| Copper | 0.5 mg/L | | | | | | | | | |
| Lead | 0.1 mg/L | | | | | | | | | |
| Nickel | 0.5 mg/L | | | | | | | | | |
| Mercury | 5 µg/L | | | | | | | | | |
| Silver | 5 mg/L | | | | | | | | | |
| Zinc | 1 mg/L | | | | | | | | | |
| Total Non-ferrous metals | 30 mg/L | | | | | | | | | |
| Total Phosphorus | 20 mg/L | | | | | | | | | |
| Biological Oxygen Demand (BOD) | 500 mg/L | | | | | | | | | |
| Chemical Oxygen Demand (COD) | 1000 mg/L | | | | | | | | | |

| | | | | | | | | | | |
|------------------------------------|--------|--|--|--|--|--|--|--|--|--|
| Total Petroleum Hydrocarbons (TPH) | 5 mg/L | | | | | | | | | |
|------------------------------------|--------|--|--|--|--|--|--|--|--|--|

| | |
|--|--|
| Name of laboratory where tests in this section have been carried out | |
| Is this laboratory accredited (certified) for the above tests? | Yes <input type="checkbox"/> No <input type="checkbox"/> |

S2.5 Records of waste

As per condition 4.2, the Permit Holder shall submit to the Authority information on waste records of the previous year by not later than end of March of each year, providing the information listed in the ERA website and in the format specified therein as may be communicated by the Authority from time to time). (<https://era.org.mt/era-topic-categories/reporting-obligations/>)

2.6 Testing of site containment and drainage systems.

| | Number on site | Date of last test | Testing due on (date) |
|----------------------|----------------|-------------------|-----------------------|
| Cesspits | | | |
| Oil-water separators | | | |
| Others: (specify) | | | |

S2.7 Incidents and Complaints

S2.7.1 Non-Compliance Incidents during Reporting Year

| Date of incident | Brief description of Incident | Cause | Corrective action |
|------------------|-------------------------------|-------|-------------------|
| | | | |
| | | | |

Total number of non-compliance incidents for previous year:ⁱ

Total number of non-compliance incidents for current reporting year:

S2.7.2 Complaints made by the public

| Date of Complaint | Description of complaint | Actions taken |
|-------------------|--------------------------|---------------|
| | | |
| | | |

Total number of complaints for previous year: ⁱ

Total number of complaints for current reporting year:

Applicant's declaration

I declare that, to the best of my knowledge, all the above information is correct and substantiated.

| | | |
|---|--------------------------------|--|
| Name <i>(in block letters)</i> | ID Card Number | on behalf of / in my own name <i>(in block letters)</i> |
| Signature | Date | |

ⁱ "Previous year" data is not required in the first reporting year.

Schedule 3a

List of wastes authorised to be accepted

EWC codes accepted on site include the following:

| EWC code | HP code | Description | Maximum quantity stored | Treatment |
|---|-------------------------|--|-------------------------|--|
| 16 02 13* 16 02 14 16 02 15* 16 02 16 08 03 17* ⁱ 08 03 18 ⁱ 09 01 10 09 01 11* 09 01 12 20 01 35* 20 01 36 | HP 5, HP 14 | WEEE and WEEE components/parts | 13 tonnes | Manual dismantling, crushing of cables and non-hazardous components |
| 16 02 13* 20 01 35* | HP 5, HP 14 | CRT televisions and monitors | 13 tonnes | Dismantled and broken in CRT breaking room, shredding of wooden components (e.g. from old TVs) |
| 16 02 13* 20 01 21* | HP 5, HP 6, HP 14 | Fluorescent tubes and bulbs | 2 tonnes | Crushed in crusher room (after removing from housing, where applicable) |
| 16 02 11* 16 02 13* 20 01 23* | HP 5, HP 14 | Fridges / freezers | 8 tonnes | Storage prior to export |
| 16 02 11* 20 01 23* | HP 5, HP 14 | Discarded equipment containing refrigerants (e.g. air conditioning / water dispensing equipment) | 8 tonnes | Degassing, followed by manual dismantling of equipment |
| 16 06 01* 16 06 02* | HP 5, HP 6, HP 8, HP 14 | Batteries | 1 tonnes | Storage prior to export |

ⁱ Toner cartridges

| EWC code | HP code | Description | Maximum quantity stored | Treatment |
|--|----------------|---|--------------------------------|---|
| 16 06 03* 16 06 04 20 01 33* 20 01 34 | | | | |
| 15 01 01 15 01 02 15 01 06 | - | WEEE-related packaging | 13 tonnes | Segregated from WEEE and sent to an authorised recycling facility |
| 03 01 05 15 01 03 17 02 01 19 12 07 20 01 38 | - | Wood items (e.g. pallets, offcuts, wood from old TVs) | 13 tonnes | Once end-of-waste application is approved by ERA: Shredding for production of animal bedding / briquettes; in the interim such waste will be sent to a licensed facility. |

Schedule 3b

List of wastes authorised to be generated

| Activity | EWC Code | HP Code | Description | Storage and Containment | Maximum quantity stored | Destination | |
|--|---|----------------------------|--|---|-------------------------|--|---|
| WEEE degassing, dismantling, and crushing of non-hazardous components and cables | 14 06 01* | HP 5, HP 14 | Refrigerants | Gas cylinders in designated area indoors or in covered outdoor storage area | 1 tonne | Ozone-depleting substances: Exported to an authorised facility for destruction Other refrigerants: Sold for reuse | |
| | 16 02 15* 16 02 16 | HP 5, HP 14 | Printed circuit boards and TFT screens | In jumbo bags on pallets indoors / covered outdoor storage area | 24 tonnes | Exported to authorised recycling facility | |
| | 19 12 04 | - | Plastic | Covered outdoor storage area | 2 tonnes | Sent to authorised facility for recycling | |
| | 19 12 02 | - | Ferrous metal | Covered outdoor storage area / shipping container | 10 tonnes | Sent to authorised facility for recycling | |
| | 19 10 02 19 12 03 | - | Non-ferrous metal | In jumbo bags on pallets indoors | 3 tonnes | Sent to authorised facility for recycling | |
| | 17 04 01 | - | Copper wire | | 3 tonnes | | |
| | 19 12 05 | - | Glass | Covered outdoor storage area | 20 tonnes | Sent to authorised facility for recycling | |
| | 16 02 15* 16 02 16 | HP 5, HP 14 | Hard drives | In jumbo bags on pallets indoors | 1 tonne | Exported to authorised recycling facility | |
| | 16 06 01* 16 06 02* 16 06 03* 16 06 04 | HP 5, HP 6, HP 8, HP 14 | Batteries | In battery storage bins indoors | 1 tonne | | |
| | 17 01 01 | - | Concrete block from washing machines | Covered outdoor storage area | 10 tonnes | | Sent to authorised facility for recycling |
| | 13 03 06* 13 03 07* 13 03 08* | HP 5, HP 6, HP 7, HP 14 | Waste oils (e.g. from oil heaters) | In an IBC on a prefabricated bund in the outdoor storage area | 2,000 L | | Sent to authorised facility for recovery |

| Activity | EWC Code | HP Code | Description | Storage and Containment | Maximum quantity stored | Destination |
|--|--|-------------------------|--|--|-------------------------|---|
| | 13 03 09* | | | | | |
| | 08 03 17* | HP14 (if hazardous) | Toner powder | In jumbo bags on pallets indoors | 20 tonnes | Sent to authorised facility for recycling |
| | 08 03 18 | | | | | |
| Removal of waste packaging from WEEE | 15 01 01 | - | Paper / cardboard packaging | Designated covered storage area | 2 tonnes | Sent to authorised facility for recycling |
| | 15 01 02 | - | Plastic packaging | | 500kg | |
| | 15 01 06 | - | Mixed packaging | | 2 tonnes | |
| Breaking of CRT televisions and monitors | 16 02 15* | HP 5, HP 7, HP 14 | Glass | In jumbo bags on pallets indoors | 24 tonnes | Exported to authorised recycling facility |
| | 15 02 02* 15 02 03 | HP 5, HP 6, HP 7, HP 14 | Used disposable overalls | In jumbo bags on pallets indoors | <1m ³ | Sent to authorised facility for incineration |
| Crushing of fluorescent tubes / lamps | 19 12 05 | - | Clean glass from crushing of fluorescent tubes | In jumbo bags on pallets indoors / in covered storage area | 5 tonnes | Sent to authorised facility for recycling |
| | 15 02 02* 15 02 03 | HP 5, HP 6, HP 7, HP 14 | Used disposable overalls | In jumbo bags on pallets indoors | <1m ³ | Sent to authorised facility for incineration |
| Storage of fridges / freezers | 16 02 11* 16 02 13* 20 01 23* | HP 5, HP 14 | Fridges / freezers | Designated covered storage area | 8 tonnes | Exported to authorised facility for recovery (and destruction of refrigerant) |
| Storage of batteries | 16 06 01* 16 06 02* 16 06 03* 16 06 04 20 01 33* 20 01 34 | HP 5, HP 6, HP 8, HP 14 | Batteries | In battery storage bins indoors | 1 tonne | Exported to authorised facility for recovery |
| Air treatment | 15 02 02* | HP 5, HP 6, HP 7, HP 14 | Used HEPA filters | Designated area indoors | 6 filters | Exported to authorised facility for disposal |
| | 15 02 02* | HP 5, HP 6, HP 7, HP 14 | Used carbon filters | Designated area indoors | 200kg | Exported to authorised facility for disposal |
| Wastewater treatment | 15 02 02* | HP 5, HP 14 | Used filters | Waste water treatment room | 3 filters | Exported to authorised facility for disposal |

| Activity | EWC Code | HP Code | Description | Storage and Containment | Maximum quantity stored | Destination |
|--|--|---------------------------------|--|---|-------------------------|---|
| | 19 08 08* 19 08 99* | HP 5, HP 14 | Filter backwash / concentrate from RO unit | Bunded containers in wastewater treatment room | <1 m ³ | Exported to authorised facility for disposal |
| | 16 10 01* 16 10 02 | HP 5, HP 14 (only if hazardous) | Wastewater from fluorescent tube crushing room and WEEE treatment building | Fluorescent tube crushing room: Sealed tank within Impermeable concrete bund; WEEE treatment building: Impermeable underground cesspit | 4 m ³ | Normally reused after treatment; however, if discharge is required the wastewater will be tested and either: (a) discharged to the sewerage network if found to be below the WSC discharge limit; or (b) exported to an authorised facility if not. |
| Surface water management | 13 05 07* | HP 3, HP 5, HP 6, HP 7, HP 14 | Oils collected by interceptor | Designated bunded waste oils drum indoors | 5 L | Sent to authorised facility for recovery |
| Maintenance of onsite vehicles and machinery | 15 02 02* | HP 3, HP 7, HP 14 | Oily rags | Garage (connected to oil-water separator) | 5 kg | Sent to authorised facility for recovery |
| | 13 02 06* 13 01 11* | HP 5, HP 6, HP 7, HP 14 | Engine oils Hydraulic oils | Garage (connected to oil-water separator) | 50 L | Sent to authorised facility for recovery |
| | 15 02 02* 15 02 03 | HP14 (if hazardous) | Toner machine filters | WEEE treatment building | 2 filters | Sent to authorised facility for disposal / recycling |
| Administration facilities | 20 03 01 | - | Mixed domestic waste | Offices | 5 kg | Sent to authorised facility for disposal |
| | 20 01 01 20 01 02 20 01 39 20 01 40 | | Recyclable domestic waste | Offices | 10 kg | Sent to authorised facility for recycling |

Schedule 4

Terms of Reference for Noise Monitoring

1. Introduction

The noise monitoring shall be carried out by the Operator. A consultant that is either an accredited Acoustic expert or qualified professional Engineer and is approved by ERA according to the following criteria shall be commissioned who will propose a monitoring procedure for measuring noise levels within and around the installation as described in section 2 below.

The person(s) undertaking the “on field monitoring” shall be in possession of a certification for the collection of data.

The noise monitoring and impact study report shall be compiled and reviewed by a person who is in possession of a:

- (a) Bachelors degree in Acoustics, or
- (b) Bachelors degree in any of the following: Physics, Architecture, Civil Engineering or Engineering, Environmental Health, Environmental Science/Management, Occupational Health and Safety, and an MQF Level 7 specialisation in Acoustics, or
- (c) Bachelors degree in any of the following: Physics, Architecture, Civil Engineering or Engineering, Environmental Health, Environmental Science/Management, Occupational Health and Safety and in addition the consultant must be at least an associate member of the Institute of Acoustics or be employed by an organization who are members of the Association of Noise Consultants or equivalent grade of Membership of a professional body for those working in acoustics and noise in any one of the EU member states or any other reputable professional body to the satisfaction of ERA, or
- (d) Certification for the collection of data, such as “Certificate of Competence in Environmental Noise Measurement” issued by the Institute of Acoustics (IoA) or any other equivalent qualification issued by a comparable Professional Association dealing with acoustics in any one of the EU and EEA Member States or any qualifications issued by an educational institution to the satisfaction of ERA and five (5) years experience in noise measurements and assessments.

Copies of such qualifications and certification shall be submitted to ERA prior to the monitoring proposal.

The consultant, in collaboration with ERA, may, where applicable need to consult and seek advice from the Local Council during the selection of the sensitive receptors.

2. Content of monitoring study

The monitoring study should address the following issues:

1. A description of the installation – this shall include a description of all processes carried out on site and related equipment and infrastructures.
2. A description of the surrounding areas – this shall include identification of the types of activities, whether residential or commercial, roads and other amenities. These shall be location-specific taking into account their location with respect to the site.
3. Identification of the main sources of noise and vibration – this shall include all processes on site, including aspects such as transport noise on site, plant equipment, mechanical operations, etc (amongst others) and their times of operation.
4. Identification of the closest noise sensitive receptors – this shall be carried out after assessing the noise levels in the plant’s perimeter and in the other locations identified in point 2 above

under normal operating conditions of the plant. The various monitoring points shall be identified with a unique code and an analyses of the ambient noise to which each monitoring point is subjected to.

5. Environmental Noise Study – this shall include details of the standards used for measurements, equipment used including calibration details and certificates, resultant measurement data, assessment methods and complaints significance scale. The study is to be carried out according to the latest revisions of ISO1996 and the rating of industrial noise affecting residential areas shall be according to the latest revisions of BS4142. The study should include perimeter noise levels, baseline noise study of sensitive receptor sites, noise impact on site sensitive receipts including day and night background levels.

The data compiled for both day and night is a typical representation of the current situation at all receptor points and the measurement time interval is sufficient enough to obtain representative value of a typical background when the specific noise source will be operating. For facilities that operate continuously for 24 hours, it may be appropriate to measure at a time when all other noises have subsided. If it is possible 'specific noise' is estimated by measuring the noise level with and without the facility running.

6. The monitoring shall be performed exclusively using a calibrated type 1 sound level meter conforming to BS 6698/IEC 61672 Class 1. The use of type 2 sound level meters or less is not considered acceptable and will not be considered. The sound level meter, calibrator and microphone must hold a valid current calibration certificate from an accredited laboratory (ex. UKAS)

7. Prior to the initial data collection and at the end of the monitoring day, all acoustic instrumentation system such as the sound level meters are calibrated, and checked immediately before and after each series of monitoring readings. Results must be within $\pm 1.0\text{dB}$, otherwise discarded and read again.

8. As a basis for the collection of background data, monitoring shall be carried out during a period when there are no operations at the facility. If this is not possible, operations are to be temporarily suppressed during readings. If this is still not possible, a measurement at an alternative location where the residual sound is comparable to the assessment location(s) with justifications shall be provided.

In case that operating conditions of the site are significantly different during the day, evening or night periods, the measurement procedure will be repeated for those periods of day/evening or night. Therefore, information from the operator is requested prior to the commencement of the measurements. If the information requested is not provided in time, the Consultants will assume that the site operates uniformly during the day, evening and night periods and measure during the daytime only. However, baseline noise levels would still need to be measured at the nearest noise sensitive locations at night in order to determine the impact.

9. The background noise measurements shall be accompanied by a critical listening of all the other noise sources present in the background. Due to certain acoustic features such as tonality, impulsivity and intermittency the inclusion of specific noise level plus any adjustment for the different noise characteristic features, the rating level, $L_{Ar,Tr}$ should be reported in accordance with BS 4142:2014, and any revision thereof, depending on the subjective assessment made while taking the readings.

10. Monitoring shall consider seasonal variations including but not limited to the occurrence of the fireworks and any other similar typical seasonal predominant noise sources. The recommended time periods over a twenty-four hour period are categorized in terms of daytime, from 0700-2300 hrs ($L_{Aeq, [16\text{hrs}]}$) and night-time period from 2300 – 0700 hrs ($L_{Aeq, [8\text{hrs}]}$).

11. For the propagation of noise from the power plant, the use of ISO 9613, ISO 8297: 1994, ISO 3744:2010 and ISO 3746:2010; and any revision thereof (as per the interim methods of the Environmental Noise Directive 2002/49/EC) is strongly recommended.

12. In the case of multioperator installations where the evaluation and monitoring needs to distinguish between the impact caused by different or interconnected operators within the same installation, the application of the following standards is deemed necessary: standard ISO8297:1994 and any revision thereof, and ISO37XX series or specifically ISO 9614-2:1996.

13. Impact assessment of noise events on noise sensitive receptor site – this shall include an assessment according to the guidelines BS 4142:2014, ISO1996 and ISO9613 or any other standard and any other standard methodology stipulated by the Authority. A summary of the data obtained after the study has been carried out in relation to the noise sensitive receptors identified above shall be submitted.

14. Conclusions and Mitigation measures – this shall include a summary report of findings from the noise monitoring study including the impact assessment of noise events on noise receptors sites and any remedial action and/or mitigation measures to be implemented by the operator in order to reduce impacts resulting from the site of operation.

Schedule 5

Minimum requirements for the proper treatment of separately collected WEEE

Part A: Selective treatment for materials and components of waste electrical and electronic equipment

1. As a minimum the following substances, mixtures and components have to be removed from any separately collected WEEE:
 - Polychlorinated biphenyls (PCB) containing capacitors in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT),
 - mercury containing components, such as switches or backlighting lamps,
 - batteries,
 - printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres,
 - toner cartridges, liquid and paste, as well as colour toner,
 - plastic containing brominated flame retardants,
 - asbestos waste and components which contain asbestos,
 - cathode ray tubes,
 - chlorofluorocarbons (CFC), hydrochlorofluoro-carbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC),
 - gas discharge lamps,
 - liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimetres and all those back-lighted with gas discharge lamps,
 - external electric cables,
 - components containing refractory ceramic fibres as described in Commission Directive 97/69/EC of 5 December 1997 adapting to technical progress for the 23rd time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances,
 - components containing radioactive substances with the exception of components that are below the exemption thresholds set in Article 3 of and Annex I to Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiation,
 - electrolyte capacitors containing substances of concern (height > 25 mm, diameter > 25 mm or proportionately similar volume). These substances, mixtures and

components shall be disposed of or recovered in compliance with the Waste Regulations (S.L. 549.63).

2. The following components of WEEE that is separately collected have to be treated as indicated:
 - cathode ray tubes: the fluorescent coating has to be removed,
 - equipment containing gases that are ozone depleting or have a global warming potential (GWP) above 15, such as those contained in foams and refrigeration circuits: the gases must be properly extracted and properly treated. Ozone-depleting gases must be treated in accordance with Regulation (EC) No 1005/2009,
 - gas discharge lamps: the mercury shall be removed.
3. Taking into account environmental considerations and the desirability of preparation for re-use and recycling, points 1 and 2 shall be applied in such a way that environmentally-sound preparation for re-use and recycling of components or whole appliances is not hindered.

Part B: Technical requirements for storage or transfer sites of WEEE

1. Sites for storage (including temporary storage) of WEEE prior to its treatment (without prejudice to the requirements of Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste):
 - impermeable surfaces for appropriate areas with the provision of spillage collection facilities and, where appropriate, decanters and cleanser-degreasers,
 - weatherproof covering for appropriate areas.
 2. Sites for treatment of WEEE:
 - scales to measure the weight of the treated waste,
 - impermeable surfaces and waterproof covering for appropriate areas with the provision of spillage collection facilities and, where appropriate, decanters and cleanser-degreasers,
 - appropriate storage for disassembled spare parts,
 - appropriate containers for storage of batteries, PCBs/PCTs containing capacitors and other hazardous waste such as radioactive waste,
 - equipment for the treatment of water in compliance with health and environmental regulations.
-

Schedule 6

Terms of Reference for Compliance Audits related to Annual Reporting for Authorised Waste Facilities

- S3.1 The auditor shall be independent (i.e. an auditor who would be eligible for appointment as company auditor), certified, and approved by the Authority. The auditor should have access to in-house environmental expertise or otherwise appoint a consultant having environmental expertise to assist him.
- S3.2 The auditor would be required to certify all the information reported to the Authority by the Authorised Waste Facility as specified in the ERA permit itself.
- S3.3 A sound auditing procedure for traceability, monitoring, and control should be in place for all the authorised waste managed on site in relation to the Waste Management permit or an Environmental permit.
- S3.4 The audit trail should cover all waste from the point of acceptance of waste into the facility to the end recovery or disposal facility (local or foreign).
- S3.5 Proper records and documentation should be kept where authorised waste are sent to duly authorised interim storage facilities, pending transfer to an authorised end disposal/recovery facilities. In such cases, proof is to be provided, as regards to that the authorised waste has been transferred to an authorised end disposal/recovery facility within a maximum of twelve (12) calendar months from the end of the annual reporting period.

The points overleaf shall be covered by the auditors in such audits, providing a detailed report of their findings. The Authority may reserve the right to request clarifications and further information from the auditors other than that provided in the audit report.

| # | Nature and extent of audit procedures | Timing | Done by and date | W/P ref |
|---|--|--------|------------------|---------|
| 1 | <p>Objective: To confirm that there is a signed receipt for every waste transfer received at the site</p> <ul style="list-style-type: none"> Choose a random sample of 10% of the signed receipts for every waste transfer received at the site for each quarter within the calendar year and confirm that all waste entries are covered by an issued signed receipt. | | | |
| 2 | <p>Objective: To ensure that an adequate audit trail is maintained to ensure that when a particular waste stream is being treated it can be traced back to its waste generator</p> <ul style="list-style-type: none"> Choose a random sample of 10% of the total waste being treated and ensure that its origin can be traced back. | | | |
| 3 | <p>Objective: To confirm that any hazardous waste movements from the site (entry & exit) are covered with a hazardous waste consignment permit and consignment note</p> <ul style="list-style-type: none"> In cases of movement within the island of Malta, choose a random sample of 10% of the total no. of hazardous waste movements into and out of the site and confirm that all such movements are covered by a valid hazardous waste consignment permit and a waste consignment note. Confirm also that the relevant EWC code has been used. | | | |
| 4 | <p>Objective: To confirm that any hazardous waste movements from the site (entry & exit) are covered with relevant TFS documentation of the Waste Shipments Regulation in cases of export</p> <ul style="list-style-type: none"> In cases of export, choose a random sample of 10% of the total no. of hazardous waste movements out of the site and the relevant TFS movement forms and confirm that all such movements are covered by valid relevant documentation. Confirm also that the relevant EWC code has been used. In the case of waste broker usage, ensure that the waste brokers used are registered with ERA as such. | | | |

| | | | | |
|---|---|--|--|--|
| 5 | <p>Objective: To confirm that any movement of non-hazardous waste movements from the site being sent for treatment abroad are covered by the relevant Annex VII documentation of the Waste Shipments Regulation in cases of export</p> <ul style="list-style-type: none"> Choose a random sample of 10% of the total no. of non-hazardous waste movements into and out of the site are covered by valid relevant documentation and/or records. Confirm also that the relevant EWC code has been used. In the case of waste broker usage, ensure that the waste brokers used are registered with ERA as such. | | | |
| 6 | <p>Objective: To verify whether the quantities reported by the Waste Facility make reasonable sense</p> <ul style="list-style-type: none"> Choose a random sample of 10% of the total amount of waste being handled at the facility and confirm that all waste entries (in and out of the site) reported are verified by relative documentation and/or records. | | | |
| 7 | <p>Objective: To ensure that the waste vehicles used by the authorised facility to transfer the waste to other permitted sites are registered with ERA</p> <ul style="list-style-type: none"> Obtain a list of approved waste carriers from ERA and confirm that the ones used by facility are registered with ERA. | | | |
| 8 | <p>Objective: To ensure that, in cases where waste is transferred from the facility to other waste management facilities, locally or abroad, the waste management facilities used would either be approved by ERA or the Competent Authority of the Country of Destination</p> <ul style="list-style-type: none"> Obtain a list of locally approved waste management facilities from ERA and confirm that the ones used by the facility are approved and authorised by ERA. Obtain a copy of the permits of any foreign authorised waste management facilities which have been utilised. An original copy of the permit and an approved translated version of the permit is to be presented to ERA. | | | |
| 9 | <p>Objective: To ensure that the declared quantities of waste exported during the previous calendar year were actually received at the authorised facilities and declared to ERA</p> <ul style="list-style-type: none"> Obtain all certificates received from recycling facilities and confirm that these have all been declared to ERA prior to shipment Confirm arithmetical correctness of all reported data in this regard. | | | |

| | | | | |
|----|--|--|--|--|
| 10 | Objective: To identify the waste being treated both locally and abroad, and ensure that it has been recovered appropriately <ul style="list-style-type: none">• Ensure that all relevant documentation, including but not limited to, the hazardous waste consignment permit and consignment note applications, are available in case of local treatment.• Identify the materials exported according to the EWC Code and review actual documentation (including bills of lading) confirming an audit trail showing that the waste has been sent to a recovery facility as per permit requirements. | | | |
|----|--|--|--|--|

**Schedule 7
Site Plan**

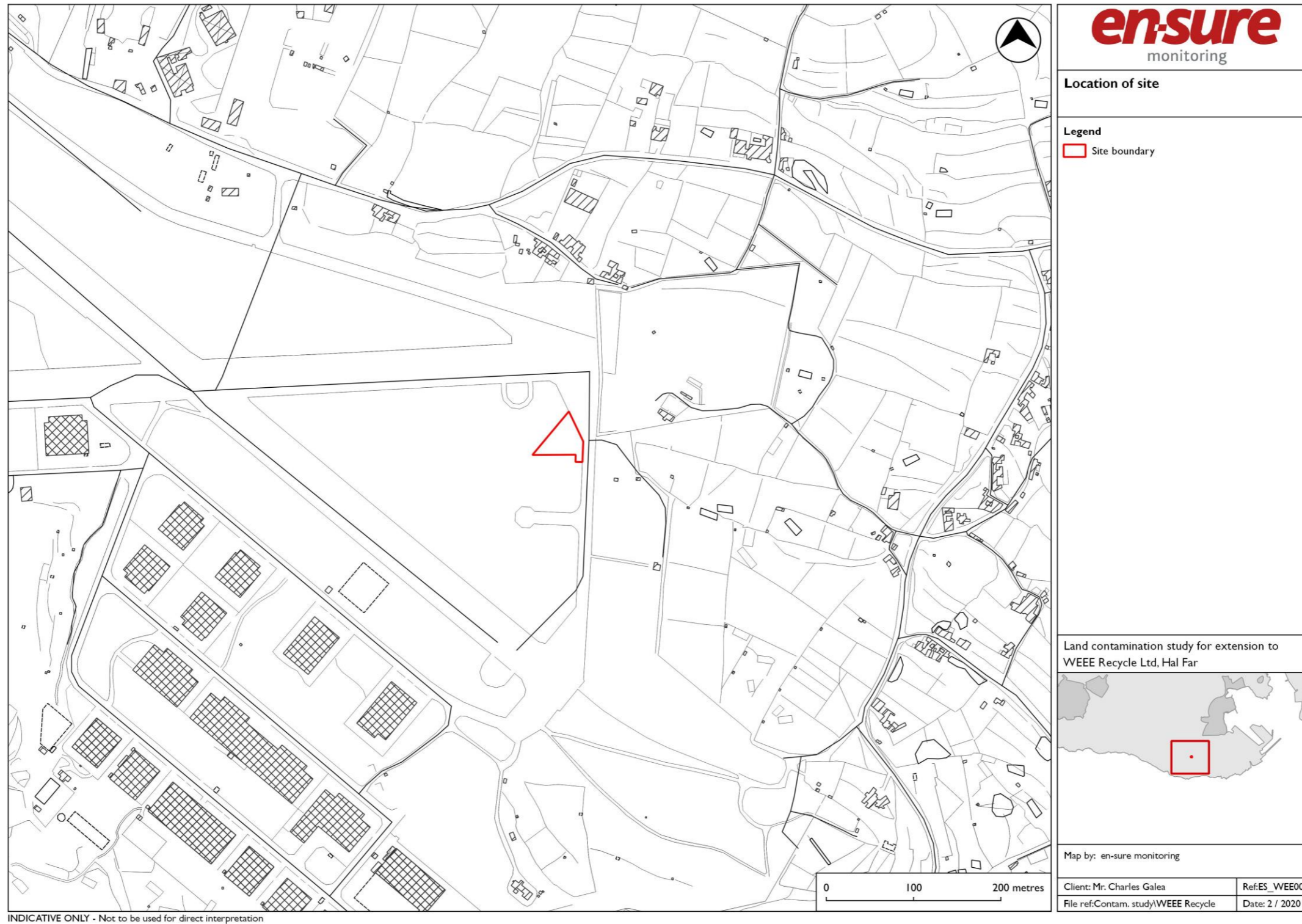


Figure 1: Site of permitted installation, showing extent of waste management area in red, for the carrying out of the activities specified in condition 1.1.1. The extent of the site boundary is indicative and should not be used for interpretation purpose

END OF PERMIT