



U M B R E L L A
ENVIRONMENTAL
PROTECTING YOUR BUSINESS

Non-Technical Summary

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CONTENTS

1 Introduction..... 5

2 Application..... 6

 2.1 Site Location..... 6

3 Permitted Operations 8

 3.1 Waste Acceptance..... 11

 3.2 Waste Storage..... 12

 3.3 Waste Handling and Processing..... 12

 3.4 Site Management 13

4 Technical Standards..... 14

5 Risk Assessment and Management..... 15

 5.1 Noise Management Plan 15

 5.2 Odour Management Plan 15

 5.3 Emissions Management Plan 15

Tables

Table 1 Permitted Wastes..... 8

Table 2 Permitted Activities..... 11

Table 3 Total Annual Waste Types..... 12

Table 4 Total Storage at Any One time..... 12

Figures

Figure 1 Site Location (Aerial Photo)..... 7

Figure 2 Process Flow..... 13

1 INTRODUCTION

This Non-Technical Summary (NTS) relates to Environmental Solutions Waste Management site 241 Engineers Road Greenham Business Park Newbury Berkshire RG19 6HN. The permit being applied for is based on the Standard rules SR2015 No15, Waste electrical and electronic equipment authorised treatment facility (ATF) excluding ozone-depleting substances. However, with the additional waste codes being added the site will reflect more of a waste transfer station. The addition of these extra waste codes enables Environmental Solutions Waste Management to provide a complete waste service for the commercial sector. The purpose of the site is to reduce disposal of waste and encourage re-use, refurbishment or recycling of Waste Electrical and Electronics Equipment (WEEE) and other waste arising from business clearances..

The purpose of the site is to reduce disposal of waste and encourage re-use, refurbishment or recycling of Waste Electrical and Electronics Equipment (WEEE) and other waste arising from business clearances..

The permit does not allow the treatment of WEEE containing ozone-depleting substances but this waste can be accepted for storage only. The treatment and storage of WEEE meets the technical requirements of the WEEE Directive (2012/19/EU). Treatment of WEEE is carried out using Appropriate Measures, Recovery and Recycling Techniques (BATRRT).

WEEE treatment must be carried out inside a building. There are no point source emissions to air outside the building. Treatment includes, dismantling, separation, shredding, screening, grading, baling, shearing, compacting, crushing, granulation, repair or refurbishment, or cutting of waste into different components for recovery.

The permitted activities are carried out within 200 m of a European Site, Ramsar site or a Site of Special Scientific Interest (SSSI). The activities are not carried out within 50 m of any well spring or borehole used for the supply of water for human consumption. This includes private water supplies. There is no burning of any wastes, either in the open, inside buildings or in any form of incinerator. On site managerial procedures mitigate the risk posed by the activities to these receptors.

The site is approx. 0.174 ha and operates from Monday to Friday from 08:00 until 17:00. Waste is delivered by Environmental Solutions Waste Management Ltd own fleet or third parties that have worked with the operator for a long time and is pre booked into site prior to arrival. For waste deliveries the site is accessed via its northern boundary as shown on Site layout Ground 004.1_09_007 and Site Layout 1st floor 004.1_09_007. Once the waste vehicle has arrived on site it will be directed to the correct location to deposit their waste. All waste received to the permitted facility are subject to the waste acceptance procedures prior to being unloading see Environmental Management System (EMS) 004.1_05_007. During this stage if any non-conforming wastes are identified they are rejected, where not possible they will be stored in an appropriate manner and removed from site to an appropriately authorised facility as soon as practicably possible.

2 APPLICATION

The application is based on the standard rules permit SR2015-No-15-75kte-WEEE-authorized-treatment-facility-excluding-ozone-depleting-substances with the addition of extra waste codes that would normally be found on a household commercial waste permit.

The processing of the waste is covered in Table 2 Permitted Activities and are reflective of the SR2015 No 15 permit.

2.1 Site Location

The location of the site is shown on drawing 004.1_09_008 (Sensitive Receptors 2 km). The permitted boundary is shown in 004.1_09_001. The ground floor and 1st floor layout plans 004.1_09_006 and 004.1_09_007 show how the key areas are laid out for storage and processing. The overall site is shown in 004.1_09_004.

The site is located at 241 Engineers Road Greenham Business Park Newbury Berkshire RG19 6HN, the grid reference for the site is SU 50102 64290 (eastings: 450102, northing 164290).

The site lies to the south east of Newbury and is located within an industrial area that historically has been an air base. The site can be accessed by the A339.

Figure 1 Site Location (Aerial Photo)



3 PERMITTED OPERATIONS

Table 1 Permitted Wastes

| EWC code | Description |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 06 | WASTES FROM INORGANIC CHEMICAL PROCESSES |
| 06 01 | wastes from the manufacture, formulation, supply and use (MFSU) of acids |
| 06 01 06* | other acids |
| 06 04 | metal-containing wastes other than those mentioned in 06 03 |
| 06 04 05* | wastes containing other heavy metals |
| 08 | WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS |
| 08 01 | wastes from MFSU and removal of paint and varnish |
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances |
| 08 04 | wastes from MFSU of adhesives and sealants (including waterproofing products) |
| 08 04 09* | waste adhesives and sealants containing organic solvents or other hazardous substances |
| 09 | WASTES FROM THE PHOTOGRAPHIC INDUSTRY |
| 09 01 | wastes from the photographic industry |
| 09 01 11* | single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03 |
| 09 01 12 | single-use cameras containing batteries other than those mentioned in 09 01 11 |
| 12 | WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS |
| 12 01 | wastes from shaping and physical and mechanical surface treatment of metals and plastics |
| 12 01 09* | machining emulsions and solutions free of halogens |
| 12 01 18* | metal sludge (grinding, honing and lapping sludge) containing oil |
| 13 | OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19) |
| 13 02 | waste engine, gear and lubricating oils |
| 13 02 04* | mineral-based chlorinated engine, gear and lubricating oils |
| 13 02 05* | mineral-based non-chlorinated engine, gear and lubricating oils |
| 14 | WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08) |
| 14 06 | waste organic solvents, refrigerants and foam/aerosol propellants |
| 14 06 03* | other solvents and solvent mixtures |
| 15 | WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED |
| 15 01 | packaging (including separately collected municipal packaging waste) |
| 15 01 06 | mixed packaging |
| 15 01 07 | glass packaging |
| 15 02 | absorbents, filter materials, wiping cloths and protective clothing |

| | |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15 02 02* | absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances |
| 16 | WASTES NOT OTHERWISE SPECIFIED IN THE LIST |
| 16 01 | end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08) |
| 16 01 07* | Oil Filters |
| 16 02 | wastes from electrical and electronic equipment |
| 16 02 09* | transformers and capacitors containing PCBs |
| 16 02 10* | discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09 |
| 16 02 11* | discarded equipment containing chlorofluorocarbons, hydrochlorofluorocarbons and hydrofluorocarbons |
| 16 02 12* | discarded equipment containing free asbestos |
| 16 02 13* | discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12 |
| 16 02 14 | discarded equipment other than those mentioned in 16 02 09 to 16 02.13 |
| 16 02 15* | hazardous components removed from discarded equipment |
| 16 02 16 | components removed from discarded equipment other than those mentioned in 16 02 15 |
| 16 05 | gases in pressure containers and discarded chemicals |
| 16 05 08* | discarded organic chemicals consisting of or containing hazardous substances |
| 16 06 | batteries and accumulators |
| 16 06 01* | lead batteries |
| 16 06 02* | Ni-Cad batteries |
| 16 06 03* | mercury-containing batteries |
| 16 06 04 | alkaline batteries (except 16 06 03) |
| 16 06 05 | other batteries and accumulators |
| 16 10 | aqueous liquid wastes destined for off-site treatment |
| 16 10 01* | aqueous liquid wastes containing hazardous substances |
| 16 10 02 | aqueous liquid wastes other than those mentioned in 16 10 01 |
| 20 | MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS |
| 20 01 | separately collected fractions (except 15 01) |
| 20 01 01 | Paper and Cardboard |
| 21 01 02 | Glass |
| 20 01 13* | Solvents |
| 21 01 14* | acids |
| 20 01 21* | fluorescent tubes and other mercury-containing waste |
| 20 01 23* | discarded equipment containing chlorofluorocarbons |
| 20 01 27* | paint, inks, adhesives and resins containing hazardous substances |

| | |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 20 01 30 | detergents other than those mentioned in 20 01 29 |
| 20 01 33* | Batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries. |
| 20 01 34 | Batteries and accumulators other than those mentioned in 20 01 33 |
| 20 01 35* | discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components |
| 20 01 38 | wood other than that mentioned in 20 01 37 |
| 20 01 39 | Plastics |
| 20 01 40 | metals |
| 20 03 | other municipal wastes |
| 20 03 01 | mixed municipal wastes |

Table 2 Permitted Activities

| Description of activities | Limits of activities |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R4: Recycling/reclamation of metals and metal compounds</p> <p>R5: Recycling/reclamation of other inorganic materials</p> <p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)</p> | <p>Treatment consisting only of sorting, dismantling, separation, shredding, screening, grading, baling, shearing, compacting, crushing, granulation, repair or refurbishment, or cutting of waste into different components for recovery.</p> <p>There shall be no treatment of WEEE containing ozone depleting substances.</p> <p>There shall be no treatment of batteries except for sorting.</p> <p>There shall be no mechanical treatment of cooling equipment or display equipment.</p> <p>The maximum quantity of non-hazardous waste subject to a shredding operation shall not exceed 75 tonnes per day.</p> <p>The maximum quantity of hazardous waste treated for disposal or recovery activity shall not exceed 10 tonnes per day. This does not include the manual sorting, manual dismantling, repair or refurbishment of WEEE.</p> <p>Wastes shall be stored for no longer than 1 year prior to disposal or 3 years prior to recovery.</p> <p>The maximum quantity of hazardous waste stored at the site shall not exceed 50 tonnes at any one time of which no more than 10 tonnes shall be stored for disposal. This does not include WEEE awaiting manual sorting, manual dismantling, repair or refurbishment.</p> |

3.1 Waste Acceptance

Waste accepted at the site is restricted to that described in the List of Wastes, Section 06, 004.1_05_013 of this application pack.

As a minimum, the waste acceptance procedure will include.

- address/location
- identity of the producer
- the physical appearance of the waste
- amount of waste being accepted
- identifiable EWC Code

Site will only accept waste that is permitted and complies. Non-conforming wastes will be rejected or if identified after delivery, isolated and returned to producer.

Incoming waste will be brought to the site by Environmental Solutions Waste Management Ltd Own fleet or registered waste carriers. Each load would be subject to the waste acceptance procedure and would be inspected by the Technically Competent Manager (TCM) or appropriately trained individual prior to being stored and prior to treatment.

3.2 Waste Storage

Table 3 Total Annual Waste Types

Table 4 Total Storage at Any One time

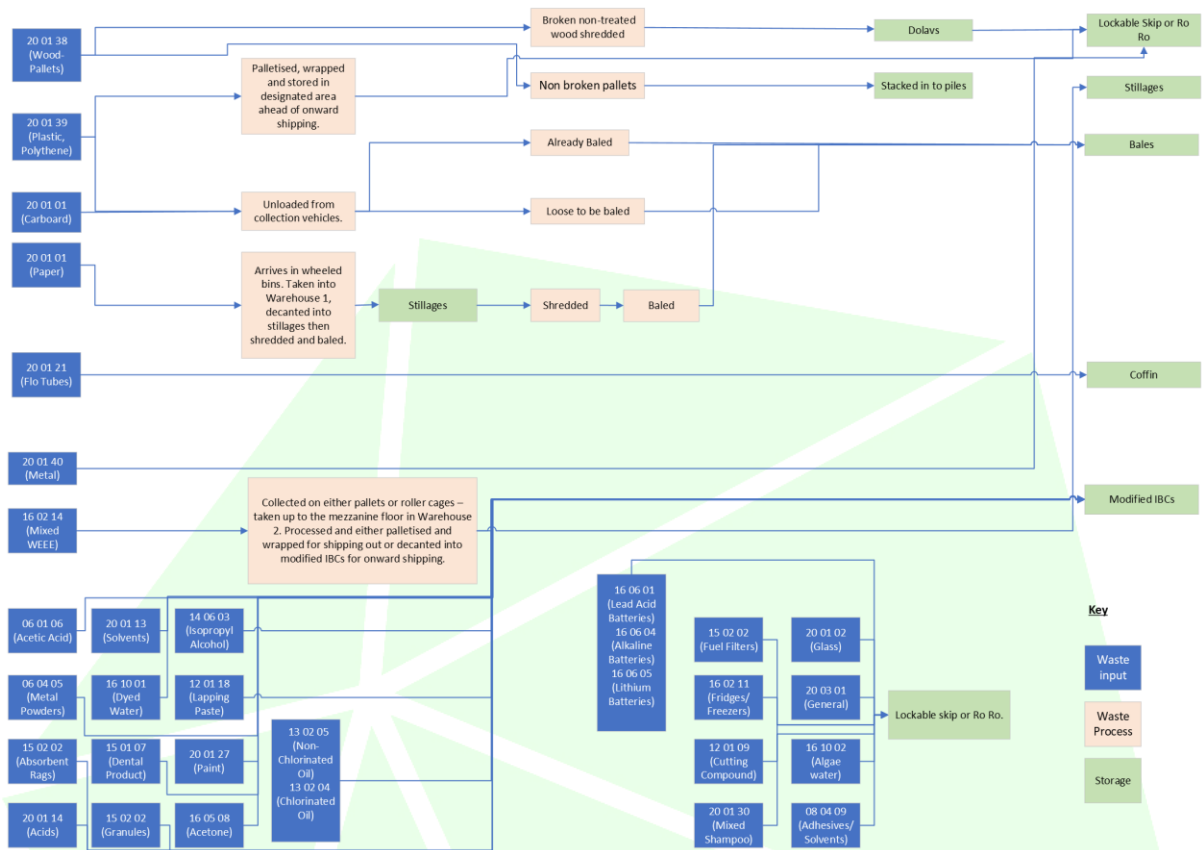
3.3 Waste Handling and Processing

Waste is transferred from site for further treatment and recovery to reduce waste streams going to landfill. Some waste streams are identified as non waste and are tested to ensure they are fit for purpose this happens most frequently with monitors.

Treatment/Processing is shown in Figure 2 Process Flow and covers;

- Shredding
- Baling
- Manual deconstruction

Figure 2 Process Flow



3.4 Site Management

A Technically Competent Manager (TCM) manages the operation and attends site in compliance with the regulatory defined attendance requirement. Individuals such as site supervisors or yard managers can be trained to carry out ongoing site operations, office and plant operations in lieu of the TCM when not in attendance.

During hours of operation there will be a minimum of one member of staff on site, who will be fully conversant with the requirements of the Environmental Permit and the Environmental Management System regarding the following:

- waste acceptance and control procedures
- operational controls and environmental monitoring
- maintenance
- record keeping
- emergency action plans

4 TECHNICAL STANDARDS

The following technical standards have been utilised in the design and development of the proposed activities, the preparation of this Environmental Permit application, and will govern permitted site activities:

- Noise and vibration management: environmental permits¹
- Develop a management system: environmental permits.²
- Integrated Pollution Prevention and Control Reference Document on Best Available Techniques on Emissions from Storage July 2006
- Control and monitor emissions for your environmental permit³
- Containment systems for the prevention of pollution (C736)⁴
- Best Available Techniques (BAT) Reference Document for Waste Treatment Industrial Emissions Directive 2010/75/EU (Integrated Pollution Prevention and Control); EUR 29362 EN; Publication Office of the European Union, Luxembourg, 2018

¹ <https://www.gov.uk/government/publications/noise-and-vibration-management-environmental-permits/noise-and-vibration-management-environmental-permits>

² <https://www.gov.uk/guidance/develop-a-management-system-environmental-permits>

³ <https://www.gov.uk/guidance/control-and-monitor-emissions-for-your-environmental-permit>

⁴ <https://www.ciria.org/>

5 RISK ASSESSMENT AND MANAGEMENT

An Environmental Risk Assessment (ERA) (004.1_05_010) is located in section 05 of this application pack. The ERA identifies the sites setting, environmental hazards caused by the waste activity and the operators mitigation methods whether than be hard engineering or managerial procedures. This mitigation is designed to protect the environment from fugitive emissions or point source emissions if stated.

The site is operated by **Environmental Solutions Waste Management Ltd** An EMS 004.1_05_007 has been created detailing the sites operations and any environmental controls. The EMS explains the sites operations, maintenance procedures and describes the emergency response in the event of an accident and or incident

5.1 Noise Management Plan

During the pre application stage the EA were requested to identify if a Noise and Vibration Management Plan (NVMP) was required. The EA identified that it was not, the ERA 004.1_05_010 presented in section 05 further supports this.

5.2 Odour Management Plan

During the pre application stage the EA were requested to identify if a Odour Management Plan (OMP) was required. The EA identified that it was required. The ERA 004.1_05_010 presented in section 11 further supports this.

5.3 Emissions Management Plan

During the pre application stage the EA were requested to identify if a Emissions Management Plan (EMP) was required. The EA identified that it was required. The ERA 004.1_05_010 presented in section 10 further supports this.



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