

RECYCLED MATERIAL SUPPLIES LIMITED

Non Technical Summary

Environmental Permit

Primrose Wharf

Knights Road

Silvertown

E16 2AT

Version 1 Dated 6 January 2025

[RMS-PW-NTS-V1]

Introduction

Recycled Material Supplies Limited (RMS) has applied for an Environmental Permit to operate a waste management facility at Primrose Wharf, Knights Road, Silvertown, E16 2AT.

The operation will involve the receipt, storage and treatment of construction and demolition waste, by physical treatment including sorting, screening, crushing, separation, washing, blending of wastes into different components for recovery.

This operation will replace the operations currently carried out at Sunshine Wharf, Bradfield Road, Silvertown, E16 2AX.

RMS has operated a waste management facility from Sunshine Wharf, Bradfield Road since 2013. The Environmental Permit was issued in January 2014 (KB3136AM). This allows RMS to receive, store and treat Construction and Demolition (C&D) waste. The site operates two concrete crushers and three mobile screeners, with loading shovels and excavators.

The Bradfield Road site is now subject to redevelopment proposals which requires RMS to relocate their operations.

Primrose Wharf is a Strategic Industrial Location and a safeguarded wharf.

The previous occupant JRL Environmental operated a waste facility under Environmental Permit WE4202AA. This site was used to treat C&D waste to produce aggregates. The JRL activities took place in the open. The JRL permit was issued in December July 2019. This was a Standard Rules permit that permitted this operation only on land that was not within an Air Quality Management Area. In December 2019, Newham Council declared the whole borough an Air Quality Management Area. JRL vacated the site in November 2024 and the permit is in the process of being surrendered. The permit is no longer valid in this location.

Proposed Development

RMS is applying for an Environmental Permit to operate a Waste Management Facility at Primrose Wharf.

The operations will involve:

- Physical Treatment of Non Hazardous Waste

The treatment operations will include sorting, screening, crushing, separation, washing and blending. Although the main operations will involve sorting, crushing and washing.

No more than 350,000 tonnes of waste shall be treated in any one year.

The site infrastructure will include:

- Enclosed building (to receive and treat construction and demolition waste)
- Internal storage bays
- External storage bays
- Fixed Wash Plant with storage bays
- Fixed dust suppression system
- 2 No. Weighbridges

- 2 Storey Office
- Fixed wheel wash

The enclosed building will be used to receive mixed construction and demolition waste (concrete, soils, rubble, hardcore).

The waste will be unloaded in the building and will either be crushed to produce aggregates or washed to separate mixed wastes into various aggregates. The processes will produce the following:

- Silty Clay
- 0-2mm Coarse to very coarse sand
- 2-4mm Very fine gravel
- 4-10mm Fine gravel
- 10-20mm Medium gravel
- 20-40mm Coarse gravel
- Type 1 Unbound Mixture
- Class 6F5 Selected Granular Material

The wharf will be used to import primary aggregates for use in concrete batching. The wharf will also be used to remove silt from the site.

Environmental Management System

RMS will operate the facility in accordance with its Environmental Management System (EMS). The EMS comprises a set of procedures to demonstrate how the site will be operated to minimise harm and prevent pollution. The following summaries are provided for the main categories.

Waste Acceptance Procedures

The site will adopt strict waste acceptance procedures which will include classifying the waste prior to acceptance.

The pre-acceptance checks will require site administration staff to record the following information:

- The source and nature of the waste
- Potential risks associated with the waste
- Classification of the waste
- Volume of waste
- Timescales for work

On arrival at Primrose Wharf, the driver will report to the weighbridge office to complete the waste transfer note. The driver will be informed about the correct unloading area.

The weighbridge office staff will notify the TCM/Site Manager about expecting a delivery and the correct building door will be opened. The waste will be checked as it is unloaded.

Waste Storage

There will be defined waste and product storage areas.

Within the building, there will be two waste reception bays, one for concrete based waste for crushing, and the other for mixed waste for washing.

These are checked daily to ensure that capacity exists to receive new waste.

External storage bays will be constructed using concrete blocks.

Waste Treatment

The treatment processes will be specific to the waste operations. A concrete crushing will be used inside the building to crush concrete to a defined size for aggregate production.

The wash plant will be bespoke technology and uses water to wash and grade different aggregates from mixed waste.

The outputs from the crushing and wash plant will be certified and classified accordingly.

Training

All staff will be appropriately trained to carry out their duties. There will be a Technically Competent Manager based at the site to oversee the day to day operations. There will also be a Site Supervisor.

Maintenance

Regular maintenance of all plant and machinery will take place. This will include daily checks before starting each working day, as well as planned preventive maintenance.

The wash plant and concrete crusher will be under service agreements with the manufacturers.

Accident Management Plan

An Accident Management Plan is provided for the facility. This identifies all possible accidents that if occurred, could have an impact on the environment. For each identified accident, management and preventive measures are set out. Contingency planning is also set out.

Climate Change

A Climate Change Risk Assessment has been prepared.

Environmental Risk

An Environmental Risk Assessment has been carried out to identify all possible source-pathways-receptors linkages. The key points are as follows:

Dust Management

The main control for dust will be the enclosed building. This will be used to receive mixed construction and demolition waste. The building will also house the concrete crusher and feed hopper for the wash plant. The activities which have the greatest potential to release dust will be undertaken inside the building.

The building has been designed with four sides and roof, with two roller shutter doors. The doors will be kept closed unless required for access.

The wash plant is a wet process, and the materials produced will be in a dampened state.

For other external storage areas, a dust suppression system will be installed.

A Dust Management Plan has been prepared as part of the EMS.

Noise Management

The site is within a Strategic Industrial Location with other similar operations taking place north of the site. However, the activities have been designed to minimise noise emissions.

As with dust management, the location of the crusher and feed hopper for the wash plant inside the building will minimise noise emissions.

The loading/unloading activities using the wharf will be subject to the tides. Site based activities will only take place between the following hours:

07:00-17:00 Monday to Friday

07:00-1300 Saturday

No operations on Sunday or Public Holidays

The following good practices will be implemented to reduce noise emissions at this site.

- Waste treatment within defined operational hours.
- Operating plant and machinery in a noise-sensitive manner.
- Vehicles will not be allowed to idle on site and drivers will be requested to turn engines off if they are waiting for inspection or unloading instructions.
- Maintain site surface to repair any ruts or potholes which could lead to unnecessary noise.
- Plant and machinery subject to daily checks and regular servicing.
- HGVs subject to daily checks and regular servicing.
- Waste reception and treatment within enclosed building with roller shutter doors closed (unless required for access).
- Reducing drop heights for all loading / unloading activities.
- Speed limit on site set to 5mph.
- Engagement with local community and businesses.
- Complaint procedure to report and investigate any noise complaints to prevent recurrence.

A Noise Management Plan has been prepared as part of the EMS.

Surface Water Management

The entire site is concreted with a drainage system designed to separate water.

Clean roof water will be captured in a tank for use in dust suppression.

Clean surface water will be captured and discharged to the River Thames via an interceptor.

All other water will be captured into a sealed tank.

Summary

Overall, the operations can take place without causing any significant harm to the environment or local amenity.