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ENERGY AND CLIMATE CHANGE
ENVIRONMENT AND SUSTAINABILITY
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WASTE RESOURCE MANAGEMENT

VALENCIA WASTE MANAGEMENT LTD

PILSWORTH SOUTH VARIATION APPLICATION (EPR/BS7951IB)

NON-TECHNICAL SUMMARY

FEBRUARY 2024

Wardell Armstrong
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1 INTRODUCTION

1.1.1 Wardell Armstrong has been appointed by Valencia Waste Management Ltd to vary the permit for Pilsworth South Landfill Site (EPR/XP3434HX) in Bury, Lancashire.

1.1.2 The site is permitted to accept non-hazardous commercial, industrial and household waste for disposal, as well as for the disposal of hazardous asbestos in a separate specially designed cell.

1.1.3 Valencia is seeking to prevent recyclable and recoverable wastes from going to disposal, in accordance with the principles of the waste hierarchy. The variation will allow mixed non-hazardous waste arriving at the landfill to be first treated to recover metals, wood and plastic for recycling and to remove non-combustible material to prepare the combustible wastes for energy recovery off-site. The residual non-combustible waste will be utilised in landfill engineering or will be placed in the landfill.

2 VARIATION APPLICATION

2.1 The Application

2.1.1 This application includes the following information:

- Application Forms Part A, C2, C3 and F1;
- this Non-Technical Summary
- Operating Techniques, setting out the day to day operation of the site;
- Environmental Risk Assessment, identifying potential risks and showing how these are mitigated;
- Assessment of Best Available Techniques showing how the site will comply with the appropriate measures for the listed activity;
- Odour Management Plan for the treatment plant;
- Dust Management Plan for the treatment plant;
- Fire Prevention Plan, setting out how fire will be prevented, fire-fighting measures to be in place if needed and management of fire water and residues; and
- Site layout and drainage drawings showing the layout of the new activity.

2.2 Changes to the Permit

2.2.1 To allow the new activity to take place the following changes to the permit will be required.

2.2.2 In Table S1.1 include a new listed activity, Section 5.4 A(1) (b) (ii) a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving pre-treatment of waste for incineration or co-incineration.

2.2.3 Update the list in Table S1.2 of the permit to include reference to the application documents setting out the operation of the new waste treatment facility.

2.2.4 Update Table S1.5 to permit 250,000 tonnes per year to be treated through the new waste treatment plant. The majority of this waste will be waste that is currently accepted into the landfill.

3 NEW ACTIVITIES

3.1.1 The new waste treatment activity will involve the acceptance of mixed non-hazardous waste into a dedicated building, which will provide containment for litter, odour, dust, and noise.

3.1.2 The waste will be shredded if necessary and passed through a long part separator to remove oversize material.

3.1.3 The waste will then be treated in a combi screen to divide it into fine, medium and large fractions. The fines will be collected in a dedicated bay pending disposal. The medium and large fractions will pass through various sorting processes to recover plastic, non-ferrous metal, ferrous metal and wood for recycling. The plant will also sort out the lighter wastes, for example small pieces of paper, card and plastic, which will be used as a refuse derived fuel and sent for energy recovery. All wastes will be placed in dedicated storage bays pending removal to the landfill, an energy from waste plant or a permitted recycling site as appropriate. The aim will be to maximise recycling.

3.1.4 The process will also generate a heavy fraction, expected to contain a high content of grit, stone, glass etc. This will be used in the landfill for maintaining site roads and for daily cover.

3.1.5 The non-recyclable, non-combustible material will be placed in the landfill and may be used as landfill cover where appropriate.

4 ENVIRONMENTAL PROTECTION

4.1.1 The main purpose of the variation is to divert recoverable and recyclable material away from disposal, in keeping with the principles of the waste hierarchy. There will therefore be an overall environmental benefit in reduced use of raw materials (by recycling metals and other materials) and reduced carbon emissions (be recycling and recovering energy from combustible waste).

4.1.2 The activities will be undertaken with environmental protection as a priority, ensuring that effective control measures are in place to prevent harm to human health and the local environment. A dedicated building will house the activities, ensuring effective prevention of pollution emissions of dust, litter, noise and odour.

4.1.3 Waste will be dealt with on a first in first out basis and will be turned round within 72 hours to minimise the risks of odour and vermin.

4.1.4 The site will be kept tidy and will be inspected on a daily basis to make sure that no pollution is detected. Any significant emissions of dust, odour, litter or noise will be investigated and remedied.

4.1.5 All plant and equipment will be properly maintained so that it is fit for purpose and operates without excessive noise.

4.1.6 The site will be managed by a technically competent manager in accordance with Valencia's written Environmental Management System.

4.1.7 The measures in place to protect the environment are considered to be the best available techniques (BAT) in line with the BREF note for waste treatment and Environment Agency guidance, including *Non-hazardous and inert waste: appropriate measures for permitted facilities*.

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