

SECTION A – NON-TECHNICAL SUMMARY

Sub-Section	Title	Location of Information
A.1	Non-Technical Summary	WLA p.12 and Attachment A.1

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A.1 APPLICANT DETAILS

A Waste Licence Application (WLA) has been prepared to comply with the Waste Management (Licensing) Regulations 2004 (SI No. 395 of 2004). As required by Article 12 (1) (u) of the Waste Management (Licensing) Regulations, No. 395 of 2004, a Non-Technical Summary is provided below, which contains information on the matters specified in Paragraphs (a) to (t) of Sub-Article 12(1).

A.1.a Name and Address of Applicant

This section relates to Article 12(1)(a)

The applicant is:
Hi-Volt Ireland Limited
Ballyduff,
Thurles,
Co. Tipperary
(0504) 45510

A.1.b Name of Planning Authority

This section relates to Article 12(1)(b):

North Tipperary County Council,
Planning Section,
Civic Offices, Limerick Road,
Nenagh, Co. Tipperary

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A.1.c Name of Sanitary Authority

This section relates to Article 12(1)(c)

There are no direct discharges to the sewerage system.

A.1.d Location and Address of the Facility

This section relates to Article 12(1)(d)

The address of the facility is: Hi-Volt Ireland Limited, Ballyduff, Thurles, Co. Tipperary in the townlands of Shanballyduff and Piercetown, Thurles, Co. Tipperary (National Grid Reference E618917, N661237). (Figure A.1).

A.1.e Nature of the Facility

This section relates to Article 12(1)(e)

The nature of the development is to accept waste batteries, waste oil, waste oil filters, waste tyres, contaminated soil and other garage waste onto the Facility for storage pending removal for recovery off-site. The total quantity of the proposed waste recovery is 21,000 tonnes per annum.

A.1.f Classes of Activity

This section relates to Article 12(1)(f)

In accordance with the Fourth Schedules of the Waste Management Acts, 1996 to 2008 the following classes of activity will be carried out on the site, as listed in the newspaper and site notices:

Fourth Schedule (Waste Recovery Activities)

Other activities to be carried out at the site, as specified in the Fourth Schedule to the Waste Management Acts, 1996 to 2007 are as follows:-

“2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).”

“3. Recycling or reclamation of metals and metal compounds.”

“4. Recycling or reclamation of other inorganic materials.”

“13. Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.”

A.1.g Quantity and Nature of Wastes to be treated, recovered or disposed

This section relates to Article 12(1)(g)

The following waste is proposed to be recovered at the facility (per annum):

- Waste batteries (5,000 tonnes/annum) for storage at the facility and export for recover. These batteries will be stored in the appropriate sealed containers on entry to the facility, stored in said containers at the facility and exported off-site in these containers;

- 2,000 tonnes of waste oil per annum. This oil will be stored in bunded oil tanks (four in total, each 25,000 litres), bulked up and exported in ISO container tanks (IMO 0) holding up to 24,000 litres;
- 500 tonnes oil filters per year. These filters will be shredded and emptied of all oil, before being exported off-site for recovery;
- 500 tonnes of contaminated soil;
- 1,000 tonnes of general garage waste including rags, filters, clutch plates and brake drums/disks pads, metals; and drummed flammable liquids, will be accepted and stored at the facility and removed for recovery off-site; and
- 12,000 tonnes of waste tyres.

A.1.h Raw and Ancillary Materials, Substances, Preparations, Fuels and Energy

This section relates to Article 12(1)(h)

The Facility will use diesel fuel, lubrication oil, electricity and water during the day to day operation.

Diesel: The annual fuel consumption at the Facility is understood to be ca. 60,000 litres. This fuel is used for on-Site plant as well as Facility trucks. Two bunded tanks (3,000 litres and 1,300 litres) are used to store the fuel on-Site.

Electricity: Electricity consumption at the Facility is understood to be in the order of <€1000/annum. Based on standing charges of €20.50/two months and €0.1640/kWh, approximately 5,500kWh of electricity are required by the Facility/annum.

Water: Water supply for the Facility is provided from two boreholes on-Site. GW-01 is located adjacent to the office in the south-central area of the Site and GW-02 is situated in the north-eastern corner of the Site. GW-02 supplies water for the northern end of the Site (i.e. cleaning). There is no mains water supply to the Facility.

Product: Waste accepted at the plant will be consist of waste types as stated in Attachment H.1, batteries, waste oil, oil filters, garage waste, tyres and contaminated soils. These components will be separated out and sent to an appropriate Facility off-Site for re-use, recovery or disposal with an emphasis being placed on re-use or recovery.

A.1.i Plant; Methods; Process; Abatement, Recovery and Treatment Systems; and Operating Procedures

This section relates to Article 12(1)(i)

Plant

Equipment at the facility will comprise two forklifts, a shredder and baler.

Methods, Processes & Recovery

All wastes will be accepted via the existing Site entrance. Upon arrival, all delivery vehicles shall be directed to the Facility check-in office and weighbridge where the arrival of each load will be recorded. All documentation accompanying the waste and the waste carrier will be inspected, and the nature of the waste will be confirmed by the Weighbridge Operator/Check in Person. A waste transfer note containing the details of the load delivery time, date, tonnage, and carrier's details will be produced at the weighbridge.

Abatement and Treatment Systems

Any surface water run-off originating from the bunded waste quarantine area, bunded fuel storage areas and concrete hardstand will be directed via silt settling tank followed by a Class 1 Full retention oil/water separator to a soakaway area.

Operating Procedures will include:

- waste handling and processing;
- waste acceptance, segregation and removal of unsuitable wastes; and
- removal of unsuitable wastes at the Facility.

A.1.j Information relating to Section 40(4) of the Waste Management Acts 1996 to 2008

This section relates to Article 12(1)(j)

The information contained within the Waste Licence Application form and its attachments demonstrates that the proposed facility meets the above requirements of the Act.

A.1.k Source, Location, Nature, Composition, Quantity, Level and Rate of Emissions from the waste management activities and period or periods during which emission will be made

This section relates to Article 12(1)(k)

Air

Waste handling has a direct effect to the pollution/nuisance potential of a facility. Potential particulate emissions could occur from the waste separation procedures in Area D and C (Figure A.2). The sorting of general garage (wastes rags, oil filters, clutch plates, brake drums/disks pads and metals) in Areas C and D could arise in dust and fumes from the oil content. These buildings will be fitted with appropriate ventilation and occupational mitigation, dust masks will be worn inside the buildings. No point source emissions are envisaged.

Noise

Currently, the main plant associated with the facility are two forklifts, one operating in one of the storage buildings and the other moving around the yard and in buildings. Both forklifts are equipped with reversing alarms for safety reasons. However, these are adjusted so as avoid elevated tonal noises being generated while being loud enough to warn people in close proximity. The potential noise impacts as a result of the expansion of waste streams to be accepted at the Facility, is the use of a shredder and baler for the garage waste (oil filters and waste rags). Both these will be operated indoors and noise abatement can be implemented within these buildings.

Sewers

There will be no emissions to sewer.

Surface Water

Surface water run-off at the Facility is collected within two constructed surface drains which run in a north south direction within the eastern portion of the Facility (drain A and Drain B). Both drains run in a north-south direction and are designed to accept the surface water run-off from the yard area. The first drain (Drain A) collects surface water from the northern portion of the yard area. The second drain (Drain B) runs across the entrance gateway of the facility and collects surface water run-off from the southern portion of the yard area. Drain A diverts the surface water collected to an oil/water interceptor installed within the landscaped area adjacent to the Facility entrance. Once the water has passed through the interceptor it is discharged to a soak away. A third surface drain has been proposed to facilitate the proposed new hardstanding located on the western part of the site (Drain C). It is proposed that the Drain C will drain into the oil/water separator. Refer to Figure WLA-04 for details.

Groundwater

It is envisaged that there will be no discernible discharge of List I substances and no cumulative concentration of non-List I contaminants in the groundwater at the Site beyond their respective Drinking Water Standards. Indirect groundwater emissions will be by means of soak away holes.

A.1.1 Assessment of Effects of any existing and proposed emissions on the environment including any environmental medium other than that into which the emissions are to be made and proposed measures to prevent or eliminated or where that is not practicable to limit or abate such emissions

This section relates to Article 12(1)(l)

Air

The Facility will be operated to Best Practice and a cleaning and maintenance schedule will form part of the site operations to reduce dust emissions.

Noise

The potential noise impacts as a result of the expansion of waste streams to be accepted at the Facility, is the use of a shredder and baler for the garage waste (oil filters and waste rags). Both these will be operated indoors and noise abatement can be implemented within the building.

Surface Water

It is not envisaged that the discharged water will contain elevated levels of contaminants which would have a harmful or significant effect on receiving waters.

Groundwater

Surface water run-off from the hardstanding areas of the Facility will be directed via a silt settling tank to a Class 1 full retention oil/water separator before discharging into a soak away. It is not envisaged that the discharge will contain elevated levels of contaminants which would have a harmful or significant effect on receiving waters.

A.1.m Monitoring and Sampling Points and Monitoring Plan for Emissions and the Environment

This section relates to Article 12(1)(m)

Potential emissions from the Site will include noise and groundwater emissions as shown on Figure A2.

It is proposed that monitoring be carried out in accordance with the conditions of the Waste Licence. Qualified persons will carry out all environmental monitoring and any laboratory analysis that is required will be carried out at an approved laboratory.

A.1.n Arrangements for the Prevention, Minimisation and Recovery of Waste arising from the waste management activities concerned

This section relates to Article 12(1)(n)

Waste accepted may contain residual amounts of unwanted wastes, these will be segregated out and placed in skips for storage. It is the intention of the Applicant to send these to an off-site facility where they can be disposed of recovered or recycled for further use where possible.

A.1.o Arrangements for off-site Treatment or Disposal of solid or liquid wastes

This section relates to Article 12(1)(o)

The Applicant will appoint all relevant contractors on granting of Planning Permission and a Waste Licence. This will include appropriately licensed contractors for the collection of

segregated material for off-site recovery or disposal, and waste from canteen and office buildings. All contractors collecting wastes will be approved by North Tipperary County Council under a relevant waste collection permit.

A.1.p Existing or Proposed Measures, including Emergency procedures to prevent unauthorised or unexpected emissions and minimise the impact on the environment of any such emissions

This section relates to Article 12(1)(p)

Unauthorised/unexpected emissions may involve: dust discharge into air, polluted run-off into surface water and groundwater and emissions from plant. On-site personnel will deal with emergencies that may arise during normal operating hours. A phone number will be established if emergencies arise outside normal operating hours. Measures that will be adopted at the Facility to prevent unexpected emissions will include bunding of waste and fuel storage areas to prevent spillage of liquid into soils and subsequently into groundwater. Spillage kits will be placed around the facility to deal with accidental spillages that may arise from operating plant during the processing of material at the Facility. All staff will be trained on how to use the spillage kits. If an emission or spillage occurs at the Facility the relevant authorities will be notified if needed depending on the seriousness of the emission or spillage.

A.1.q Proposed measures for the closure, restoration remediation or aftercare of the facility after the cessation of the waste management activities

This section relates to Article 12(1)(q)

The lifetime of the proposed facility cannot be defined as it will depend on market forces. However in the event of cessation of the activity the following decommissioning plan is proposed:

- A review of the types of activities to be carried out at the proposed Facility, including waste handling and recovery operations;
- Identification of potential hazards, including an evaluation of the waste products; and
- Identification of all items of plant and other materials, including buildings that may be decommissioned, rendered safe or removed from the Facility for disposal or recovery in the event of closure of the Facility.

A.1.r Financial Provisions

This section relates to Article 12(1)(r)

The licensee will comply with any of the requirements of the Agency requested under Section 53 of the Waste Management Act 1996. The requirements of Section 53A of the Waste Management Act 1996 (as inserted by Section 43 of the Protection of the Environment Act, 2003), refer to the operation of a Landfill and are therefore not applicable to this application.

A.1.s Applicability of Seveso II directive to the proposed waste management activities

This section relates to Article 12(1)(s)

This section is not applicable to this particular Application, as the proposed activities are not for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, 2000 (S.I. No. 476 of 2000) apply. Also, there are no Seveso sites located near the Application Site.

A.1.t Control of Discharge of List I and List II substances to Groundwater

This section relates to Article 12(1)(t)

It is envisaged that there will be no discernible discharge of List I and List II substances and no cumulative concentration of non-List I contaminants in the groundwater at the Site beyond their respective Drinking Water Standards.

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