

## SECTION B - GENERAL

| <b>Sub-Section</b> | <b>Title</b>               | <b>Location of Information</b> |
|--------------------|----------------------------|--------------------------------|
| B.1                | Applicant Details          | WLA p.13-14 and Attachment B.1 |
| B.2                | Location of Activity       | WLA p.14-15 and Attachment B.2 |
| B.3                | Planning Authority         | WLA p.15 and Attachment B.3    |
| B.4                | Sanitary Authority         | WLA p.16                       |
| B.5                | Other Authorities          | WLA p.16                       |
| B.6                | Notices and Advertisements | WLA p.16 and Attachment B.6    |
| B.7                | Type of Waste Activity     | WLA p.17-18 and Attachment B.7 |
| B.8                | Seveso II Regulations      | WLA p.18 and Attachment B.8    |

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## **B.1 APPLICANT DETAILS**

The following contains details of the applicant.

### **B.1.a Copy Certificate of Incorporation**

A certified copy of the Certificate of Incorporation is attached.

### **B.1.b Company Registration Number**

The companies registration number is 282438

### **B.1.c List of Company Directors**

|   |                        |
|---|------------------------|
| Richard Gleeson,<br>Ballyduff,<br>Thurles,<br>Co. Tipperary | Director and Secretary |
|---|------------------------|

|  |          |
|--|----------|
| John Fatey,<br>Gaile,<br>Thurles,<br>Co. Tipperary | Director |
|--|----------|

|  |          |
|--|----------|
| John Charles Finan,<br>Suite 11, Sterling House,<br>South Street,<br>Reading, Berkshire,<br>RG14QU, UK | Director |
|--|----------|

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### **B.1.d Ownership Details**

Figure WLA-01 attached at the end of this document outlines the lands owned by the applicant.

# Company Printout

**Company** 282438 **HI-VOLT IRELAND LIMITED**  
**Previous Name(s)**  
**Registered Office** Ballyduff  
 Thurles  
 Co Tipperary  
**Type** Private Limited By Shares  
**Date Incorporated** 23/03/1998  
**Last Annual Return** 31/12/2007 **Designation** Normal  
**Next Annual Return Date** 31/12/2008 **Date of Designation** 23/03/1998  
**Bond Expiry Date**

There are no charges lodged in respect of the Above Named Company.

**Number of Charges** 0

**Directors Special Note**

Please note that the information displayed on this printout as to the particulars of the directors and secretary of this company may not be complete or up to date, as there may be unregistered documents which affect the position. Please refer to the list of Documents below, and if necessary, consult the company file or images for full, up-to-date particulars as to the company's officers. If this printout is blank as to officer details, please consult the images of the registered New Company documents.

Richard Gleeson Director And Secretary  
 Ballyduff  
 Thurles  
 Co. Tipperary  
  
 John Fahey Director  
 Gaile  
 Thurles  
 Co Tipperary  
  
 John Charles Finan Director  
 Sutie 11, Sterling House  
 South Street,  
 Reading  
 Berkshire, Rg1 4qu, Uk

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**Company Secretary**

| Documents | Status | Scans | Number  | Submission                                    | A/Cs To Date | Date Effective | Date Received/Registered |
|-----------|--------|-------|---------|---|--------------|----------------|--------------------------|
|           | G      | *     | 1948525 | NEW COMPANY WITH MEMO&ARTS ATTACHED (FOR      |              |                | 23/03/1998               |
|           | G      | *     | 2085531 | CHANGE IN DIRECTOR OR SECRETARY               |              | 23/03/1998     | 03/09/1998               |
|           | G      | *     | 2460420 | ANNUAL RETURN SHORT VERSION                   | 31/03/1999   | 30/12/1999     | 25/01/2000               |
|           | C      | *     | 2851287 | ANNUAL RETURN SHORT VERSION                   | 31/03/2000   | 19/07/2000     | 04/04/2001               |
|           | C      | *     | 2861370 | INCREASE IN ISSUED CAPITAL, ALLOTMENT OF SHAR |              | 01/03/2001     | 12/06/2001               |
|           | C      | *     | 2990958 | ANNUAL RETURN SHORT VERSION                   | 31/03/2001   | 31/10/2001     | 13/11/2001               |
|           | C      | *     | 3295101 | ANNUAL RETURN - GENERAL                       | 31/03/2002   | 31/10/2002     | 01/11/2002               |
|           | C      | *     | 3686356 | ANNUAL RETURN - GENERAL                       | 31/03/2003   | 31/10/2003     | 25/11/2003               |
|           | C      | *     | 4067134 | ANNUAL RETURN - GENERAL                       | 31/03/2004   | 31/10/2004     | 19/11/2004               |
|           | G      | *     | 4094796 | CHANGE IN DIRECTOR OR SECRETARY               |              | 30/11/2004     | 13/12/2004               |
|           | C      | *     | 4464679 | ANNUAL RETURN - NO ACCOUNTS                   |              | 31/10/2005     | 16/11/2005               |

|   |   |         |                                 |            |            |            |
|---|---|---------|---------------------------------|------------|------------|------------|
| G | * | 4464681 | NOMINATION OF A NEW ARD         |            | 31/10/2005 | 16/11/2005 |
| C | * | 4590715 | ANNUAL RETURN - GENERAL         | 31/03/2005 | 31/12/2005 | 20/02/2006 |
| C | * | 5015318 | ANNUAL RETURN - GENERAL         | 31/03/2006 | 31/12/2006 | 29/01/2007 |
| C | * | 5804548 | ANNUAL RETURN - GENERAL         | 30/09/2007 | 31/12/2007 | 07/04/2008 |
| G | * | 6016497 | CHANGE IN DIRECTOR OR SECRETARY |            | 24/07/2008 | 08/08/2008 |

\* Indicates documents have been scanned for the submission

**Submission Status Explanations**

CERTP CERTIFICATE PRINTED  
 CERTS CERTIFICATE SCANNED  
 DATA DATA ENTERED  
 REC RECEIVED  
 RECOR RECORDED  
 REG REGISTERED  
 RETAM RETURNED AMENDED  
 SCAN SCANNED

**End of Particulars**

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## **B.2 LOCATION OF ACTIVITY**

Figure WLA-01 attached at the end of this document is a Site Plan for the proposed Facility.

Figure WLA-02 attached at the end of this document shows the location of the proposed Facility with a grid reference clearly marked on the Figure.

Figure WLA-03 attached at the end of this document shows the services adjoining and within the proposed Facility.

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### **B.3 PLANNING AUTHORITY**

The proposed Facility is located in the North Tipperary County Council functional area.

There are four planning permission in existence for the Facility (Pl. Ref. no. 07511854, Pl. Ref. no. 06510427, Pl. Ref. no. 03510172 and Pl. Ref. no. 03510169), see attached. The Facility has been accepting waste for the past three years under a Waste Permit (no. WP/TN/53), also attached.

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**North Tipperary County Council**

***Schedule of Conditions – File Reference Number 07511854***

**SCHEDULE ONE**

It is considered that the development complies with the policies and objectives of the County Development Plan 2004 and that the development does not have an adverse impact upon the character of the area or the amenities of adjoining properties.

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**SCHEDULE TWO**

- (1) Save where modified by the following conditions, the development shall be in accordance with the drawings and documentation submitted with the planning application on 14/12/07 and further information submitted on 25/07/08.  
**REASON:** To clarify the permission and the interest of proper planning and sustainable development.
- (2) The extension to the storage building is not permitted.  
**REASON:** In the interest of visual amenity and the proper planning and sustainable development of the rural area.
- (3) (a) The dwelling and commercial premises shall remain in a single ownership and shall at not at any stage be subdivided.  
(b) The offices shall be ancillary to the commercial use at the site.  
**REASON:** In the interest of the proper planning and sustainable development.
- (4) The gravel surfaced yard and the car parking area to the west of the offices shall be omitted. The car parking spaces shall be provided within the confines of the existing yard areas and area to the south of the existing storage building. The area shown on the submitted layout plan for car parking and gravel yard to the west of the offices shall be maintained as a landscaped area. Within one month of the date of grant of planning permission the developer shall submit to the Planning Authority for written agreement a revised site layout plan in accordance with these requirements.  
**REASON:** In the interest of visual amenity.
- (5) (a) The design, construction and maintenance of the proprietary effluent treatment system shall be in accordance with the recommendations of the EPA Wastewater Treatment Manual – Treatment Systems for Treatment Systems for Small Communities, Business, Leisure Centres and Hotels, 1999.  
(b) Notwithstanding the submitted details the final location of the percolation area shall be agreed with the Planning Authority within one month of the date of grant of planning permission.  
(b) Within one month from the date of grant of planning permission site specific design details in respect of the Sewage Treatment System and percolation area to include design, performance details shall be submitted to the Planning Authority for written agreement. The agreed system shall be installed within a period of 3 months from the date of its written agreement by the Planning Authority.  
(c) Location, construction and commissioning of WWTP and system shall be supervised by a Civil Engineer or appropriately qualified individual, who upon completion of works/commissioning shall submit compliance certificate(s) to the Planning Authority in regard to; EPA Manual Compliance, filter percolation rate(s) and effluent standard achieved. In addition the Engineer shall submit a signed WWTP maintenance contract and ‘as constructed’ details/drawings of the completed works to Planning for approval following installation.  
**NOTE:** submitted details shall include photographic records of critical aspects of the construction process.  
**REASON:** In the interest of public health.

# NORTH TIPPERARY COUNTY COUNCIL

## PLANNING AND DEVELOPMENT ACTS, 2000 - 2002

### NOTIFICATION OF DECISION TO GRANT PERMISSION WITH CONDITIONS

TO: Hi-Volt Ireland Ltd.  
c/o John Egan  
Cornerstone Engineering Ltd.  
Dovea  
Templemore  
Co. Tipperary

Ref No. 07511854

Application Received: 14/12/2007, 17/01/2008  
and 25/07/2008

In pursuance of the powers conferred upon them by the above mentioned Acts, North Tipperary County Council has by Order dated 20/08/2008 decided to grant you PERMISSION to retain development of land namely:- **revised site boundaries, an extended yard/parking area and change of use of dwelling and private garage to offices and revised entrance location and layout and change of use of office building back to its original use as a dwellinghouse and to include some of the yard within its grounds. Permission to provide carpark area and to complete all drainage landscaping and associated site works at Shanballyduff and Piercetown, Thurles,**

FOR THE REASON(S) STATED IN SCHEDULE 1 AND SUBJECT TO THE CONDITION(S) STATED ON SCHEDULE 2 (1 TO 8, PAGES 1 TO 2)

If there is no appeal against the said decision, a Grant of PERMISSION in accordance with the Decision will be issued after the expiration of the period within which an appeal may be made to An Bord Pleanala. (See Footnote).

**It should be noted that until a Grant of a Permission has been issued the development in question is NOT AUTHORISED.**

The applicant is advised that unless the development described above is carried out within five (5) years from the date of Grant of PERMISSION, planning permission will cease to have effect. See Section 40 of the Planning and Development Act, 2000.

FOOTNOTE: An appeal against a decision of a Planning Authority under the Planning and Development Acts 2000 - 2002 may be made to An Bord Pleanala, 64 Marlborough Street, Dublin 1 (Tel. (01) 8588100). All Appeals either by the applicant or a third party must be received by An Bord Pleanala within four weeks beginning on the date of the making of the Decision by the Planning Authority. Appeals posted within the permitted period but received after the latest date will be invalid. (Note: Where the latest date for receipt of an Appeal falls on a day when the offices of the Board are closed (Week-Ends, Public Holidays, etc.), the latest date for receipt will be the next day on which the offices are open).

An appeal must be made in writing and be accompanied by (a) the name and address of the applicant, (b) the subject matter of the Appeal, (c) the full grounds of appeal and the reasons, considerations and arguments on which they are based, (d) the appropriate fee as set out on attached schedule, and (e) in the case of a third party appeal, the acknowledgement from this Planning Authority of receipt of submissions/observations made by the third party. Any appeal which does not meet all the legal requirements will be invalid and cannot be considered by the Board. Further details are available on the Board's Website [www.pleanala.ie](http://www.pleanala.ie)

A commercial development means development for the purposes of any professional, commercial or industrial undertaking, development in connection with the provision for reward of services to persons or undertakings, or development consisting of the provision of two or more dwellings, but does not include development for the purposes of agriculture.

N.B. An appellant is not entitled to elaborate upon or make further submissions in writing in relation to the grounds of Appeal unless requested to do so by the Board.

Signed on behalf of the said Council \_\_\_\_\_ Date: 20/08/2008  
**for Director of Services  
Planning and Community & Enterprise**



**North Tipperary County Council**

***Schedule of Conditions – File Reference Number 07511854***

- (6) Notwithstanding the submitted details within one month of the date of grant of planning permission the detailed design and location of the surface water drainage system including soak-a-ways (which shall not conflict with the percolation area to serve the effluent treatment system) which shall be in accordance with the principles of Sustainable Drainage shall be submitted to the Planning Authority for written agreement. The agreed scheme shall be implemented within a period of 3 months of its written agreement by the Planning Authority.

**REASON:** In the interest of orderly development.

- (7) The landscaping scheme shall be implemented during the first available planting season following the grant of planning permission. Any trees and shrubs that fail within 3 years of planting shall be replaced unless otherwise agreed in writing by the Planning Authority.

**REASON:** In the interest of visual amenity.

- (8) Within one month from the date of grant of planning permission, the developer shall pay to the Planning Authority a financial contribution in respect of public infrastructure and facilities benefiting development in the administrative area of North Tipperary County Council that is provided, or intended to be provided, by or on behalf of the Authority in accordance with the terms of the North Tipperary Development Contributions Scheme 2004 made under Section 48 of the Planning and Development Act, 2000.

(i) The amount of the development contribution under this condition is €6,788.56 which is calculated as follows:

| Commercial                          | (€ per sq. m.) | Gross Floor Area (sq. m) | Total Cost       |
|-------------------------------------|----------------|--------------------------|------------------|
| (a) Public water supply             | €0.00          | 259.70                   | €0.00            |
| (b) Waste water drainage            | €0.00          | 259.70                   | €0.00            |
| (c) Road infrastructure             | €14.34         | 259.70                   | €3,724.10        |
| (d) Recreation Community Facilities | €11.80         | 259.70                   | €3,064.46        |
| (e) Car parking € per space         | €3,000.00      | 0                        | €0.00            |
| <b>Total</b>                        | <b>€26.14</b>  | <b>Total</b>             | <b>€6,788.56</b> |

(ii) The Scheme provides for the adjustment of contributions payable in accordance with the Wholesale Price Index with effect from 1 January, 2005 and at six-monthly intervals thereafter. The amount payable (i.e. at the date of commencement of development) will, therefore, be adjusted as appropriate.

(iii) Where the contribution remains unpaid following one month from the date of grant of permission, any outstanding amounts due shall be paid together with such interest that may have accrued in respect of the period in question.

(iv) In accordance with Section 48 (10) of the Planning and Development Act 2000 no appeal shall lie to An Bord Pleanála in relation to the contribution required under this condition except where it is considered by the applicant that the terms of the Scheme have not been properly applied by the Planning Authority.

**REASON:** It is considered reasonable that a contribution be made in accordance with the North Tipperary County Council Development Contributions Scheme 2004 made under Section 48 of the Planning and Development Act 2000.



**PLANNING AND DEVELOPMENT ACTS, 2000 - 2002**

**NOTIFICATION OF A GRANT OF PERMISSON FOR RETENTION**  
**SUBJECT TO CONDITIONS**

REF: NO: 07511854

**TO: Hi-Volt Ireland Ltd.,  
C/o John Egan  
Cornerstone Engineering Ltd.,  
Dovea  
Templemore  
Co. Tipperary.**

**DEVELOPMENT:** revised site boundaries, an extended yard/parking area and change of use of dwelling and private garage to offices and revised entrance location and layout and change of use of office building back to its original use as a dwellinghouse and to incude some of the yard within its grounds. Permission to provide carpark area and to complete all drainage landscaping and associated site works

**LOCATION:** Shanballyduff and Piercetown Thurles

**PERMISSION FOR RETENTION** was granted on 24/09/2008 for the development described above subject to the Notification of Decision to grant PERMISSION FOR RETENTION made on 20/08/2008.

**SIGNED ON BEHALF OF  
DIRECTOR OF SERVICES**

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**PLEASE RETAIN THIS DOCUMENT CAREFULLY AS COPIES COST A FEE OF €5.00**

**COPY TO AREA ENGINEER THURLES**

# NORTH TIPPERARY COUNTY COUNCIL

## PLANNING AND DEVELOPMENT ACTS, 2000 - 2002

### NOTIFICATION OF DECISION TO GRANT PERMISSION WITH CONDITIONS

TO: Hi-Volt Ireland Ltd. & Phoenix Stone Ltd.  
c/o. John Egan  
Dovea  
Templemore  
Co. Tipperary

RefNo. 06510427

Application Received: 07/04/2006, 30/11/2006  
and 02/03/2007

In pursuance of the powers conferred upon them by the above mentioned Acts, North Tipperary County Council has by Order dated 28/03/2007 decided to grant you PERMISSION to retain development of land namely:- **to retain revised orientation and elevations of main storage building at Shanballyduff & Piercetown, Thurles,**

FOR THE REASON(S) STATED IN SCHEDULE 1 AND SUBJECT TO THE CONDITION(S) STATED ON SCHEDULE 2 (1 TO 1, PAGES 1 TO 2)

If there is no appeal against the said decision, a Grant of PERMISSION in accordance with the Decision will be issued after the expiration of the period within which an appeal may be made to An Bord Pleanala. (See Footnote).

**It should be noted that until a Grant of a Permission has been issued the development in question is NOT AUTHORISED.**

The applicant is advised that unless the development described above is carried out within five (5) years from the date of Grant of PERMISSION, planning permission will cease to have effect. See Section 40 of the Planning and Development Act, 2000.

**FOOTNOTE:** An appeal against a decision of a Planning Authority under the Planning and Development Acts 2000 - 2002 may be made to An Bord Pleanala, 64 Marlborough Street, Dublin 1 (Tel. (01) 8588100). All Appeals either by the applicant or a third party must be received by An Bord Pleanala within four weeks beginning on the date of the making of the Decision by the Planning Authority. Appeals posted within the permitted period but received after the latest date will be invalid. (Note: Where the latest date for receipt of an Appeal falls on a day when the offices of the Board are closed (Week-Ends, Public Holidays, etc.), the latest date for receipt will be the next day on which the offices are open).

An appeal must be made in writing and be accompanied by (a) the name and address of the applicant, (b) the subject matter of the Appeal, (c) the full grounds of appeal and the reasons, considerations and arguments on which they are based, (d) the appropriate fee as set out on attached schedule, and (e) in the case of a third party appeal, the acknowledgement from this Planning Authority of receipt of submissions/observations made by the third party. Any appeal which does not meet all the legal requirements will be invalid and cannot be considered by the Board. Further details are available on the Board's Website [www.pleanala.ie](http://www.pleanala.ie)

A commercial development means development for the purposes of any professional, commercial or industrial undertaking, development in connection with the provision for reward of services to persons or undertakings, or development consisting of the provision of two or more dwellings, but does not include development for the purposes of agriculture.

N.B. An appellant is not entitled to elaborate upon or make further submissions in writing in relation to the grounds of Appeal unless requested to do so by the Board.

Signed on behalf of the said Council \_\_\_\_\_ Date: 28/03/2007  
**for Director of Services  
Planning and Community & Enterprise**

## North Tipperary County Council

### *Schedule of Conditions – File Reference Number 06510427*

#### SCHEDULE ONE

Subject to compliance with the conditions set out hereunder, the proposed development is in accordance with the policies of the County Development Plan 2004 and in accordance with the proper planning and sustainable development of the area.

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#### SCHEDULE TWO

- 1 The development shall be in accordance with the drawings and documentation submitted with the planning application on 07/04/06 as amended by revised documentation submitted as further information on 30/11/06 and 02/03/07.

**Reason: In the interest of proper planning and sustainable development.**

#### SCHEDULE THREE

#### SCHEDULE OF REASONS FOR REFUSAL

*Permission to retain revised site boundaries, to retain an extended yard area, to retain office portocabin, staff canteen portocabin, waste battery storage unit and 2 No. small storage units. For permission to provide on site carparking, for permission to retain display and storage area for concrete and stone products, for permission to retain change of use of dwelling to offices, for permission to retain revised entrance location and layout and associated site works*

- 1 It is the policy of the Council to resist the encroachment into rural areas of commercial activity, which would be inappropriate by virtue of size, scale, and hours of operation, traffic congestion or nature of use. The Council will resist proposals for commercial activity adjacent to the existing housing in the open countryside. It is also the Councils policy to resist development on unzoned lands outside the fringe of urban areas as this will lead to a weakening of centres, unnecessary urban sprawl and poor utilisation of limited resources. The proposed development on unzoned lands in a rural area would directly contravene this policy. The proposed development by reason of its proximity to adjoining residential properties would seriously injure the amenities of, and depreciate the value of property in the vicinity by way of noise, traffic and general nuisance and would set a precedent for similar undesirable development in the area. The proposed development would therefore be contrary to the policies set out in the County Development Plan 2004 and would not be in accordance with the proper planning and sustainable development of the area.
- 2 Policy HSG 10: Commercial Uses on or adjacent to Residential Sites in Rural Areas & Policy ECON 6: Non-Conforming Uses & Policy ECON 7: Commercial Uses in the Open Countryside in the North Tipperary County Development Plan 2004 seeks to resist proposals for commercial/industrial activity in the open countryside except where there is a proven reason for the proposal to be sited in the open countryside, the proposed building/site works do not detract from the rural character of the landscape, the proposal is compatible with the neighbouring land-uses, and the proposal does not impact on traffic safety.  
The proposed development would result in an intensification of use of the current site with an unrelated activity to that permitted on the site and to an unacceptable level of commercial/industrial activity at this rural location which would have a detrimental impact on amenities of nearby residents and cause visual detriment to the rural character of the area. The proposed development would therefore materially contravene the policies set out in the County Development Plan 2004 and would not be in accordance with the proper planning and sustainable development of the area.

**North Tipperary County Council**

***Schedule of Conditions – File Reference Number 06510427***

- 3 Taking cognisance of the location of the proposed development on narrow local road where alignment and carriageway width are inadequate and where the existing entrance is considered substandard to cater safely for the proposed development, it is considered that the proposed development would result in a significant increase in commercial traffic using local county roads which would seriously detract from the safety and carrying capacity of the local road network and the amenity of existing road users in the area. The proposed development would contravene materially the policies of the County Development Plan 2004, and would, therefore, be contrary to the proper planning and sustainable development of the area.

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PLANNING AND DEVELOPMENT ACTS, 2000 - 2002

NOTIFICATION OF DECISION TO GRANT PERMISSION  
WITH CONDITIONS

TO: Richard Gleeson  
c/o. Larry O'Sullivan  
T.M.P. Turtulla Cross  
Hurles  
Co. Tipperary

Ref No. 03510172

Application Received: 28/02/2003, 05/09/2003 and 22/10/2003

In pursuance of the powers conferred upon them by the above mentioned Acts, North Tipperary County Council has by Order dated 14/11/2003 decided to grant you PERMISSION for development of land namely:- retain unauthorised development comprising (a) storage area, (b) equipment store/battery charging & filling area (c) change of use of dwelling to office area at Shanballyduff & Piercetown,

FOR THE REASON(S) STATED IN SCHEDULE 1 AND SUBJECT TO THE CONDITION(S) STATED ON SCHEDULE 2 (1 TO 20, PAGES 1 TO 3)

If there is no appeal against the said decision, a Grant of PERMISSION in accordance with the Decision will be issued after the expiration of the period within which an appeal may be made to An Bord Pleanala. (See Footnote).

It should be noted that until a Grant of a Permission has been issued the development in question is NOT AUTHORISED.

The applicant is advised that unless the development described above is carried out within five (5) years from the date of Grant of PERMISSION, planning permission will cease to have effect. See Section 40 of the Planning and Development Act, 2000.

**FOOTNOTE:** An appeal against a decision of a Planning Authority under the Planning and Development Acts 2000 - 2002 may be made to An Bord Pleanala, 64 Marlborough Street, Dublin 1 (Tel. (01) 8588100). All Appeals either by the applicant or a third party must be received by An Bord Pleanala within four weeks beginning on the date of the making of the Decision by the Planning Authority. Appeals posted within the permitted period but received after the latest date will be invalid. (Note: Where the latest date for receipt of an Appeal falls on a day when the offices of the Board are closed (Week-Ends, Public Holidays, etc.), the latest date for receipt will be the next day on which the offices are open).

An appeal must be made in writing and state (a) The name and address of the applicant, (b) The subject matter of the Appeal, and (c) The full grounds of appeal and the reasons, considerations and arguments on which they are based. An appeal must also be accompanied by the appropriate fee as set out on attached schedule. Any appeal to the Board which is not accompanied by the appropriate fee shall be invalid.

A commercial development means development for the purposes of any professional, commercial or industrial undertaking, development in connection with the provision for reward of services to persons or undertakings, or development consisting of the provision of two or more dwellings, but does not include development for the purposes of agriculture.

N.B. An appellant is not entitled to elaborate upon or make further submissions in writing in relation to the grounds of Appeal unless requested to do so by the Board.

Signed on behalf of the said Council

Date: 14/11/2003

for Director of Services  
Planning, Environment & Corporate Services.

North Tipperary County Council

*Schedule of Conditions – File Reference Number 03510172*

SCHEDULE ONE

Subject to compliance with the conditions set out hereunder, the development is in accordance with the policies of the County Development Plan and in accordance with the proper planning and sustainable development of the area.

SCHEDULE TWO

- 1 Save where modified by the following conditions, the development shall be carried out in accordance with the drawings and documentation submitted with the planning application on the 28/02/03 as amended by the revised drawings and documentation received on the 22/10/03.  
**Reason: In the interest of proper planning and sustainable development.**
- 2 The entrance shall be erected as shown on the site layout plan to scale of 1:500 submitted in reply to the Planning Authorities request for further information on the 22/10/03. At the entrance, a cattle grid or approved equivalent surface water cut-off drain shall be set back a minimum distance of 3 metres behind the recessed roadside boundary, the surface level of which shall be a minimum of 100 mm below the level of the edge of the adjacent public road and it shall discharge to a stone filled sump located within the site. Wing walls or fence shall be splayed outwards from the entrance to give an opening width at the front boundary of not less than 15 metres.  
**Reason: In the interest of traffic safety.**
- 3 The existing vehicular entrance shall be closed immediately following the opening of the new vehicular entrance onto the site. A new hedge containing a mix of deciduous shrubs suitable for hedging and common to the locality (e.g. holly, hawthorn, blackthorn, field maple) shall be planted at the closed entrance. The hedging shall be planted continuously (in a double row) and indefinitely maintained. A minimum of ten deciduous trees of native (not dwarfed) species shall be planted in the hedge in order to reduce the visual impact of the development. Suggested species include field maple, sycamore, silver birch, rowan, white beam, and space permitting, oak, beech or chestnut. Trees when planted shall be a minimum height of 3 metres height above ground level and the trees shall be maintained indefinitely and replaced if failure occurs. All landscaping shall take place in the first planting season following the grant of planning permission.  
**Reason: In the interests of visual amenity.**
- 4 All commercial operations on the site shall cease after a period of ten years from the date of grant of permission save where the continuation of the commercial use is permitted by a new grant of planning permission.  
**Reason: In the interest of proper planning and sustainable development.**
- 5 The effluent treatment system shall be installed and commissioned by the manufacturer and shall be maintained in a satisfactory working condition at all times. The design and layout of the effluent treatment system shall comply fully with the requirements of the Wastewater Treatment Manuals, Treatment Systems for Single Houses as compiled by the Environmental Protection Agency 1999. The applicant shall take out a maintenance contract to guarantee continual effective treatment of the effluent and submit full details of the system for the written agreement of the Planning Authority prior to the commencement of development.

The final effluent shall be discharged to a percolation area in accordance with the following levels:

Biochemical Oxygen Demand:- average less than 20 milligrams per litre  
Suspended Solids: - average less than 30 milligrams per litre.

**Reason: In the interest of public health and amenity.**

North Tipperary County Council

Schedule of Conditions – File Reference Number 03510172

- 6 No discharge of wastewaters from the development to surface water or ground water shall take place save in accordance with terms of a Discharge License under the Local Government (Water Pollution) Act 1977, as amended.  
**Reason: To obviate the risk of pollution arising.**
- 7 Within two months of the grant of permission, the applicant shall submit details regarding the treatment of wastes produced by the development for the written agreement of the Planning Authority. Details should include the quantities and types of all waste products, the means, period and location of storage of wastes on site prior to disposal and precise details of methods of disposal. The applicant shall submit the above on an annual basis for the written agreement of the Planning Authority.  
**Reason: In the interest of proper planning and sustainable development.**
- 8 Within two months of the grant of permission, the applicant shall submit details regarding the type and quantity of hazardous materials stored on the site for the written agreement of the Planning Authority. Details should include the means and location of storage on site.  
**Reason: In the interest of proper planning and sustainable development.**
- 9 The development shall be operated at all times in such a manner as to ensure that no injurious affection is caused to adjoining or nearby property. Should the operation of the development give rise to complaints in regard to noise, smoke, dust, fumes, grit, electrical interference or for any other cause and should the Planning Authority on investigation find such complaints to be justified, applicant will be required to take whatever steps are deemed necessary by the Planning Authority to remedy the situation.  
**Reason: To protect the amenities of adjoining properties.**
- 10 No signs, nameplates, symbols or other advertising structures shall be erected on the site or adjoining public road and no advance advertising signs shall be erected on the public road in the vicinity.  
**Reason: In the interest of traffic safety and visual amenity.**
- 11 No waste/hazardous materials shall be stored externally on the site.  
**Reason: In the interest of proper planning and orderly development.**
- 12 All surface water runoff from roofs and paved areas shall be collected and disposed of by means of soakways located on the site. Surface water runoff shall not be allowed to discharge onto the public road or adjoining properties.  
**Reason: To avoid interference with other properties and to prevent damage to the public road with consequent traffic hazard.**
- 13 No car parking, deliveries/collection of materials or wastes associated with the development shall take place on the public road.  
**Reason: In the interest of traffic safety and visual amenity.**
- 14 All new and existing site boundaries shall be hedged with a mix of deciduous shrubs suitable for hedging and common to the locality (e.g. holly, hawthorn, blackthorn, field maple). The hedging shall be planted continuously (in a double row) and indefinitely maintained along the boundaries of the site. A minimum of thirty deciduous trees of native (not dwarfed) species shall be planted in the hedgerow in order to reduce the visual impact of the development. Suggested species include field maple, sycamore, silver birch, rowan, white beam, and space permitting, oak, beech or chestnut. Trees when planted shall be a minimum height of 2 metres height above ground level and the trees shall be maintained indefinitely and replaced if failure occurs. All landscaping shall take place in the first planting season following the grant of planning permission.  
**Reason: In the interests of visual amenity.**



North Tipperary County Council

**Schedule of Conditions – File Reference Number 03510172**

- 15 All cladding on the external walls, doors and roofs of existing storage sheds shall be painted dark green in colour.  
**Reason: In the interests of visual amenity.**
- 16 The developer shall during the construction period prevent material from coming onto the public road that would cause a hazard to road users or pedestrians. Any damage to the roadway by construction works shall be repaired at the developer's expense to the requirements of North Tipperary County Council as Roads Authority.  
**Reason: In the interest of traffic safety and the orderly development of the area.**
- 17 The existing overhead cable services located on the site shall be relocated where necessary. All such alterations shall be carried out in consultation with the relevant service provider.  
**Reason: In the interest of traffic safety.**
- 18 The developer shall pay to the Planning Authority within three months of the grant of planning permission a sum of money as a contribution toward expenditure incurred or to be incurred within 7 years in respect of the provision of community facilities in the relevant electoral area, the amount of such contribution to be computed as having a cash value of €5,409 on 14/11/03 thereafter subject to adjustment in accordance with the Housing Building Cost Index as published by the Department of the Environment or the prevailing rate of the Planning Authority at date of payment of such contribution whichever is the lesser.  
**Reason: It is considered reasonable that the developer should contribute to the cost of community facilities which will facilitate the development.**
- 19 The developer shall pay to the Planning Authority within three months of the grant of planning permission a sum of money as a contribution toward expenditure incurred or to be incurred within 7 years in respect of the provision of public water supply, the amount of such contribution to be computed as having a cash value of €3,219 on 14/11/03 thereafter subject to adjustment in accordance with the Housing Building Cost Index as published by the Department of the Environment or the prevailing rate of the Planning Authority at date of payment of such contribution whichever is the lesser.  
**Reason: It is considered reasonable that the developer should contribute to the cost of public infrastructure which will facilitate the development.**
- 20 The requirements of the Chief Fire Officer shall be complied with.  
**Reason: In the interest of proper planning and sustainable development.**

File

Comhairle Contae Thiobraid Árann Thuaidh  
North Tipperary County Council



.....DIRECTOR OF SERVICES ORDER NO. ....

Subject: PERMISSION for RETENTION of development at Shanballyduff & Piercetown, Thurles

File No. 03510172

I, Patrick Heffernan, Director of Services, North Tipperary County Council, by virtue of the powers conferred on me under Section 154 of the Local Government Act, 2001 hereby order

that pursuant to the provisions of the Planning & Development Acts 2000 - 2002 and relevant Regulations made thereunder, I hereby decide to grant PERMISSION for RETENTION to Richard Gleeson, Ballyduff, Thurles, Co. Tipperary for carrying out development at Shanballyduff & Piercetown, Thurles in accordance with application received from Richard Gleeson, C/o Larry O'Sullivan, T.M.P., Turtulla Cross, Thurles, on 28/02/2003 and 05/09/2003 and 22/10/2003 and as recommended by the Senior Planner, Planning and Development Section in his report dated 14/11/2003 which I have considered and to the extent which I have indicated on the said report which I have this day signed and I hereby further order that PERMISSION for RETENTION be granted subject to 20 conditions, on a date being five weeks from the date of this order, unless a valid appeal is brought against this decision within the appropriate period.

75

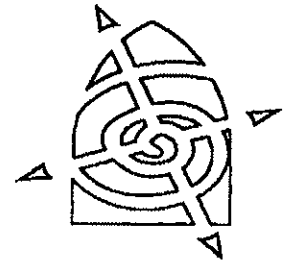
Director of Services

DATED :

14/11/03

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*Contae Thiobraid Árann Thuaidh*  
**North Tipperary County Council**



Planning Section,  
St. John's Place,  
Nenagh.

Tel. (067) 44652/3  
Fax (067) 44654

Our Ref.: 03/51/0169

14/11/2003

**Levy Under Section 26 (2) (g) & (h) of Local Government  
(Planning & Development) Act, 1963.**

Dear Sir/Madam

Enclosed is Notification of Decision to grant Permission to construct commercial storage area, associated site works and to re-locate septic tank at Shanballyduff & Piercetown.

I refer to Condition Number 19 of this Decision. The development charge levied is a financial contribution in respect of the Council's expenditure on public services which may benefit the development.

It is not intended, nor should you interpret the levying of this charge as an indication that an actual connection will be granted. You are advised (if you have not already done so) to make application for a connection to the Water Services Section, Courthouse, Nenagh.

I would point out to you that payment of the development charge merely discharges your obligation under the Local Government (Planning & Development) Acts 1963 - 1999. It does not cover any connection fees, road opening fees, etc., which may be charged by the Sanitary Authority.

Yours faithfully,

*Thichy*  
*For Director of Services,*  
*Planning, Environment & Corporate Services*

Richard Gleeson  
c/o. Larry O'Sullivan  
T.M.P., Turtulla Cross  
Thurles  
Co. Tipperary



**PLANNING AND DEVELOPMENT ACTS, 2000 - 2002**

**NOTIFICATION OF DECISION TO GRANT PERMISSION  
WITH CONDITIONS**

TO: Richard Gleeson  
c/o Larry O'Sullivan  
L.M.P., Turtulla Cross  
Thurles  
Co. Tipperary

Ref No. 03510169

Application Received:  
28/02/2003, 25/03/2003, 05/09/2003 and 22/10/2003

In pursuance of the powers conferred upon them by the above mentioned Acts, North Tipperary County Council has by Order dated 14/11/2003 decided to grant you PERMISSION for development of land namely:- to construct commercial storage area, associated site works and to re-locate septic tank at Shanballyduff & Piercetown.

FOR THE REASON(S) STATED IN SCHEDULE 1 AND SUBJECT TO THE CONDITION(S) STATED ON SCHEDULE 2 (1 TO 2), PAGES 1 TO 3)

If there is no appeal against the said decision, a Grant of PERMISSION in accordance with the Decision will be issued after the expiration of the period within which an appeal may be made to An Bord Pleanála. (See Footnote).

**It should be noted that until a Grant of a Permission has been issued the development in question is NOT AUTHORISED.**

The applicant is advised that unless the development described above is carried out within five (5) years from the date of Grant of PERMISSION, planning permission will cease to have effect. See Section 40 of the Planning and Development Act, 2000.

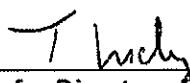
**FOOTNOTE.** An appeal against a decision of a Planning Authority under the Planning and Development Acts 2000 - 2002 may be made to An Bord Pleanála, 64 Marlborough Street, Dublin 1 (Tel. (01) 8588100). All Appeals either by the applicant or a third party must be received by An Bord Pleanála within four weeks beginning on the date of the making of the Decision by the Planning Authority. Appeals posted within the permitted period but received after the latest date will be invalid. (Note: Where the latest date for receipt of an Appeal falls on a day when the offices of the Board are closed (Week-Ends, Public Holidays, etc.), the latest date for receipt will be the next day on which the offices are open).

An appeal must be made in writing and state (a) The name and address of the applicant, (b) The subject matter of the Appeal, and (c) The full grounds of appeal and the reasons, considerations and arguments on which they are based. An appeal must also be accompanied by the appropriate fee as set out on attached schedule. Any appeal to the Board which is not accompanied by the appropriate fee shall be invalid.

A commercial development means development for the purposes of any professional, commercial or industrial undertaking, development in connection with the provision for reward of services to persons or undertakings, or development consisting of the provision of two or more dwellings, but does not include development for the purposes of agriculture.

N.B. An appellant is not entitled to elaborate upon or make further submissions in writing in relation to the grounds of Appeal unless requested to do so by the Board.

Signed on behalf of the said Council

  
for Director of Services  
Planning, Environment & Corporate Services.

Date: 14/11/2003



COMHAIRLE CHONTAE THIOBRAD ARANN (Thuaidh)  
North Tipperary County Council

**Waste Permit**

ISSUED UNDER  
THE WASTE MANAGEMENT ACT, 1996  
AND  
THE WASTE MANAGEMENT (PERMIT) REGULATIONS, 1998

**Waste Permit Register Number**

**WP/TN/53**

**Applicant**

**Hi-Volt Ireland,  
Ballyduff,  
Thurles,  
Co. Tipperary.**

**Location of Facility**

**Ballyduff,  
Thurles,  
Co. Tipperary.**



## WASTE MANAGEMENT (PERMIT) REGULATIONS 1998

North Tipperary County Council in pursuance of the powers conferred on it by the Waste Management (Permit) Regulations 1998 grants this Waste Permit under Article 5(1) of the said Regulations to: *Hi-Volt Ireland Ltd., Ballyduff, Thurles, Co. Tipperary* to carry on at *Ballyduff, Thurles, Co. Tipperary*, the waste activities listed below, subject to conditions, with the reasons therefore set out in the Schedule attached hereto. The period of validity of this permit is for **three years** from the date of issue.

The permitted Waste Activity in accordance with the Fourth Schedule of the Waste Management Act 1996 is:

*Activity 13. Storage of waste 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.*

The permitted Waste Activity in accordance with the First Schedule of the Waste Management (Permit) Regulations 1998 is:

*Activity 2. The recovery of scrap metal or other metal waste.*

It is the responsibility of permit holder to ensure that the permitted waste activities are carried on in accordance with the General Conditions specified in the Regulations and quoted below, and the Schedule of Conditions attached herein.

The General Conditions specified in the Regulations are as follows:

- (a) The activity concerned shall not cause, or be likely to cause, environmental pollution.
- (b) Any emissions from the activity concerned will not result in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any enactment.
- (c) The best available techniques will be used to prevent or eliminate or, where that is not practicable, to limit, abate or reduce an emission from the activity concerned.

**NOTE: the granting of this permit, and any condition imposed by it, does not exempt the holder of the permit from the need to comply with the statutory obligations of any other legislation, including Water Pollution, Air Pollution, Litter, Planning and Development.**

## INTERPRETATION

|                                 |   |
|---------------------------------|---|
| <b>Act</b>                      | The Waste Management Act 1996 (No. 10 of 1996)  |
| <b>Council</b>                  | North Tipperary County Council.   |
| <b>Disposal</b>                 | Any of the activities provided for in Section 4 of the Act and listed in the Third Schedule thereof.  |
| <b>Emission:</b>                | As defined in Section 5(1) of the Act.  |
| <b>Environmental Pollution</b>  | As defined in Section 5 (1) of the Act.   |
| <b>European Waste Catalogue</b> | As defined in Section 5 (1) of the Act.   |
| <b>Facility</b>                 | That area, or areas defined in condition 1.1 of this permit.  |
| <b>Hazardous Waste</b>          | As defined in Section 4 (2) of the Act.   |
| <b>Maintain</b>                 | Keep in a fit state, including such regular inspection, servicing and repair as may be necessary to adequately perform its function.  |
| <b>Permit</b>                   | A Waste Permit issued in accordance with the Waste Management (Permit) Regulations, 1998. (S.I. No. 165 of 1998).   |
| <b>Permit Holder</b>            | The person, or party to whom this permit has been issued.   |
| <b>Recycling</b>                | As defined in Section 5(1) of the Act.  |
| <b>Recovery</b>                 | Any of the activities provided for in Section 4 of the Act and listed in the Fourth Schedule thereof.   |
| <b>Shredder</b>                 | Any device used for tearing into pieces or fragmenting end of life vehicles, including for the purpose of obtaining directly reusable metal scrap.  |
| <b>Treatment</b>                | Any activity after the vehicle has been handed over to a facility for de-pollution, dismantling, shearing, shredding, recovery or disposal of the shredding wastes, and any other operation carried out for the recovery and / or disposal of a vehicle and its components. |
| <b>Vehicle</b>                  | A mechanically propelled vehicle, as defined in the Road Traffic Act 1961.  |
| <b>Waste</b>                    | As defined in Section 4 (1) of the Act.   |
| <b>Waste Oil</b>                | Any mineral - based lubricating or industrial oils which have become waste. This includes all waste engine, gear, hydraulic, turbine or lubricating oils, ships oils slops, oil wastes from tank and interceptor cleaning activities.                                       |

## CONDITION 2: MANAGEMENT OF THE ACTIVITY

- 2.1 The Permit Holder shall employ the best available techniques (BAT) in the avoidance and minimisation of the production of new wastes on site and the recovery of waste brought on site.
- 2.2 The Permit Holder is legally responsible for all aspects of the operation and maintenance of the site. Nothing in the granting of this permit in anyway reduces the legal liabilities of the Permit Holder, nor relieves the Permit Holder of his / her statutory obligations under any enactment whatsoever.
- 2.3 The Permit Holder shall ensure that all staff, employees, lessees and agents, including replacement personnel, are aware of the provisions and conditions of this permit.
- 2.4 A copy of this permit shall be kept on site at all times.
- 2.5 The permitted site shall be adequately manned and supervised at all times. A suitably qualified and experienced facility manager shall be designated as the person in charge. The facility manager or a suitably qualified and experienced deputy shall be present during the operation of the facility. The Permit Holder shall ensure that the facility manager shall be available on-site to meet with authorised persons of the local authority at all reasonable times. The facility at all times shall be maintained to the satisfaction of the Council, and adequate precautions shall be taken to prevent unauthorised access to the site.
- 2.6 Within two months from the date of grant of this waste permit, the Permit Holder shall submit written details of the management structure of the facility to the Council. The Council shall be informed in writing of any subsequent changes in the management structure or personnel.
- 2.7 Within two months from the date of grant of this permit, the Permit Holder shall establish and maintain Health and Safety Awareness and Training Procedures for identifying training needs and for providing appropriate training for all **personnel whose work is related to this facility**. *Health and safety procedures shall be strictly enforced throughout the period of the permit and their effectiveness continuously monitored. Procedures shall be revised as necessary to ensure a safe and healthy work environment.*
- 2.8 *Written records of training shall be maintained.*
- 2.9 The Permit Holder shall ensure that authorised staff of the Council shall have unrestricted access to the site at all reasonable times, on production of identification if requested, for the purposes of their functions under the Waste Management Act 1996, including such inspections, monitoring and investigations as are deemed necessary by the Council.
- 2.10 Waste shall only be accepted and operations on site shall only take place between the hours of 8.00a.m. and 6.00p.m., Monday to Friday (excluding Bank and National Holidays) and 9.00a.m. and 1.00p.m on Saturday. Waste shall not be accepted and operations shall not take place on site on Sundays, Bank and National Holidays.
- 2.11 Recovery activities shall only be undertaken by persons authorised to do so by the Permit Holder.
- 2.12 Waste shall only be stored in the storage areas indicated on the drawings submitted as part of the application.

**REASON:** *To make provision for the proper management of the facility.*



### CONDITION 3: NOTIFICATION AND RECORD KEEPING

- 3.1 All written communications with the Council shall be addressed to the Director of Services, Environment and Emergency Services, North Tipperary County Council, Civic Buildings, Limerick Road, Nenagh, Co. Tipperary.
- 3.2 The Permit Holder shall maintain a register, open to inspection by authorised officials from the Council, of the following records on the site:
- (i) the quantities and composition of waste received at the site including EWC codes;
  - (ii) the quantities and composition of waste rejected at the site, and details of where such wastes were diverted;
  - (iii) the dates and times of all waste deliveries to the site;
  - (iv) the names of the carrier of the waste to the site;
  - (v) the origin of each delivery of waste to the site.;
  - (vi) the destination, dates, times and quantity of all waste moved off the site, including a destination facility name, and waste permit or waste licence number as appropriate;
  - (vii) a consignment note number (including TFS notification and movement / tracking form numbers as appropriate) and
  - (viii) any other information which might be required from time to time by North Tipperary County Council.
- 3.3 The Permit Holder shall immediately notify the Environment Section of North Tipperary County Council, by telephone / fax of any incident which occurs as a result of the activity on the site, and which:
- has the potential for environmental contamination of surface water or ground water, or
  - poses an environmental threat to air or land, or
  - requires an emergency response by the Council.
- Full details shall be forwarded in writing on the next working day and shall include the following:
- the date and time of the incident,
  - details of the incident and circumstances giving rise to it,
  - an evaluation of environmental pollution caused, if any,
  - actions taken to minimise the effect on the environment,
  - steps taken to avoid reoccurrence,
  - any other remedial action taken.
- The Permit Holder shall make a record of any such incident in a register to be maintained on the site.
- 3.4 The Permit Holder shall maintain on the site a register of all complaints received relating to the operation of the activity. Each such complaint entry in the register should give details of the following:
- time and date of the complaint;
  - the name of the complainant;
  - details of the nature of the complaint;
  - actions taken to deal with the complaint, and the results of such actions;
  - the response made to each complaint.
- After the receipt of a complaint, the Council shall be notified in writing as soon as possible and in any event not later than the next working day.
- 3.5 The Permit Holder shall make all records maintained on the site available to authorised persons of North Tipperary County Council at all reasonable times, and shall provide any relevant information when so requested by an authorised person of the Council.
- 3.6 The Permit Holder shall notify the Council, in writing, within seven (7) days of:
- the imposition of any requirement on the Permit Holder by order of a court under Section 57 or 58 of the Act, or
  - any conviction of the Permit Holder for any offence prescribed under the Act.
- 3.7 In the event of activities ceasing on the site, the Permit Holder shall forward, within one month, a copy of the information contained in the registers described above, and details of any court order or conviction under the Act to North Tipperary County Council. In addition, the Permit Holder shall include in the report a written summary of compliance with all of the conditions attached to the permit.

- 3.8 The Permit Holder shall initiate an adequate programme for the maintenance of the Facility. A register shall be kept of all maintenance work carried out on the facility and this information shall be made available to the Council on request.
- 3.9 Not later than February 28<sup>th</sup> in each year, the Permit Holder shall submit to North Tipperary County Council, an Annual Environmental Report (AER) for the preceding calendar year. The AER will include details of:
- (a) compliance with all the conditions attached to the permit;
  - (b) the management and staffing structure of the site;
  - (c) any court order or conviction under the Act;
  - (d) quantity, type, source and composition of wastes accepted at the site;
  - (e) the quantities and composition of waste rejected at the site, and details of where such wastes were diverted;
  - (f) reportable incidents;
  - (g) all complaints received;
  - (h) the quantity and destination of all wastes leaving the facility during the year.
  - (i) details of all effluent samples taken during the year.
  - (j) tank and bund testing, and inspection report.
  - (k) details of contracts for the disposal of wastes produced
  - (l) annual air monitoring samples
  - (m) annual certification of emergency response equipment
  - (n) record of HSA inspections and of compliance with HSA requirements
  - (o) all monitoring results
  - (p) written summary of compliance with all of the conditions attached to this permit.

**REASON:** *To provide for the notification of incidents, update information on the activity and to provide for the keeping of records.*

#### **CONDITION 4: WASTE ACCEPTANCE AND HANDLING**

- 4.1 Waste which is accepted at the site shall be restricted to that shown in Appendix A. The Permit Holder shall ensure that adequate steps are taken to prevent acceptance of any other waste types.
- 4.2 All waste shall be recycled or recovered in so far as is possible.
- 4.3 The Permit Holder shall ensure that adequate steps are taken to prevent unauthorised entry of wastes to the site. All waste arriving at the facility shall be subjected to a visual inspection. Any waste deemed unsuitable for processing at the facility and / or in contravention of this permit, shall be immediately separated, stored in a designated quarantine area and removed off site by an approved waste collection permit holder, at the earliest possible time. Such waste shall be disposed of (or recovered) at an alternative facility with an appropriate waste permit or waste licence.
- 4.4 The Permit Holder shall not allow any over-spill of waste outside the site perimeter outlined on the plans/maps submitted with the permit application.
- 4.5 A minimum notice of five (5) working days shall be given in writing to North Tipperary County Council of the commencement of waste activities on the site.
- 4.6 The facility shall only accept waste from holders of a valid waste collection permit.
- 4.7 *No wet cell batteries or their components shall be stored at the facility for more than 6 months unless otherwise agreed with the Council. No dry cell batteries or their components shall be stored at the facility for more than 12 months unless otherwise agreed with the Council.*
- 4.8 *No more than 146 tonnes of waste Lead batteries and no more than 4 tonnes of waste Ni-Cd batteries shall be stored on site at any one time without prior approval from North Tipperary County Council*
- 4.9 *No processing of batteries shall occur at the facility.*

- 4.10 Waste batteries shall be stored in a covered banded area.
- 4.11 All waste storage areas shall be rendered impervious to the material stored in them. In addition, waste storage areas shall, as a minimum be banded, either locally or remotely to a volume not less than the greater of the following: a) 110% of the capacity of the largest tank or drum within the banded area and b) 25% of the total volume of substance which could be stored within the banded area. All drainage from the banded areas shall be diverted for collection and safe disposal. All inlets, outlets, vent pipes, valves and gauges must be within the banded area.
- 4.12 All tanks and containers shall be clearly labelled to indicate their contents.
- 4.13 Different categories of hazardous waste shall be kept separate.
- 4.14 Batteries shall only be accepted at the facility in containers owned or controlled by the Permit Holder. Each container accepted at the site shall be uniquely identifiable by visual or electronic means. The offsite location of each container shall be continuously monitored and recorded. Each container shall be clean and free of defects prior to dispatch from the facility. Each container shall be fit for purpose, of appropriate dimensions, and constructed of a suitable chemical resistant material.
- 4.15 Any leaking or ruptured containers shall be immediately overdrummed and the contents transferred to a sound container in a manner which will not adversely affect the environment.
- 4.16 All waste removed off site shall only be conveyed to an appropriate facility as agreed by the Council by a permitted waste collector, using appropriate and valid documentation.

**REASON:** To provide for the acceptance and management of wastes authorised under this waste permit.

#### **CONDITION 5: NUISANCES, EMISSIONS AND ENVIRONMENTAL IMPACTS**

- 5.1 The Permit Holder shall ensure that activities on the site shall be carried in such a manner as not to have an adverse affect on the general environment and specifically the drainage of adjacent lands, roads, watercourses, field drains or any other drainage system.
- 5.2 No potentially polluting substance or matter shall be permitted to discharge to ground or groundwater.
- 5.3 The Permit Holder shall take adequate precautions to prevent undue noise, fumes, dust, grit, untidiness and other nuisances during the course of the activities on site, which would result in a significant impairment of, or interference with, amenities or the environment beyond the boundary of the site. If unacceptable levels occur, as defined by the relevant standards, the Permit Holder shall abide by the Council's abatement requirements, which may include immediate cessation of operation.
- 5.4 All treatment, abatement, and emission control equipment shall be calibrated and maintained, in accordance with the instructions supplied by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the Permit Holder.
- 5.5 The Permit Holder shall take adequate steps to ensure that no material of any sort can fall or be blown from vehicles delivering waste to the site.
- 5.6 The Permit Holder shall take adequate steps to ensure that vehicles exiting the site do not deposit material of any sort onto the roadway or adjoining lands.
- 5.7 No water shall be allowed to flow from the site onto the public road, and existing surface water drainage, whether through roadside drains or inlets, shall not be interfered with.

- 5.8 No waste shall be burned on site. *A fire at the facility shall be treated as an emergency. Immediate action shall be taken to extinguish it and the appropriate authorities notified.*
- 5.9 The Permit Holder shall inspect the site perimeter twice weekly for nuisances caused by vermin, litter, or odours. The Permit Holder shall remove all litter from the site and its environs without delay. A record shall be kept of inspections and any actions taken as a result of these inspections.
- 5.10 A visual examination of the surface water discharge shall be carried out weekly. A log of such inspections shall be maintained. Should any analyses or observations made on the quality or appearance of surface water runoff indicate that contamination has taken place, the Permit Holder shall:
- (i) carry out an immediate investigation to identify and isolate the source of the contamination;
  - (ii) put in place measures to prevent further contamination and to minimise the effects of any contamination on the environment;
  - (iii) notify the Council as soon as possible.
- 5.11 Within the lifetime of this permit, the Permit Holder shall install such groundwater quality monitoring boreholes as may be required by the Council.
- 5.12 Activities on-site shall not give rise to noise off-site, at noise sensitive locations, which exceed the following sound pressure limits:  
 Leq 55 dB(A) during the hours of operation specified above t = 60 mins  
 Leq 35 dB(A) outside the hours of operation specified above t = 15 mins  
 There shall be no clearly audible tonal component or impulsive component in the noise emission from the activities on site at any noise sensitive location. The Permit Holder shall immediately carry out a noise survey of the site operations if so requested by the Council.
- 5.10 The Permit Holder shall, ensure that all vehicles travelling on the public road are kept clean, details of which shall be agreed with North Tipperary County Council within 3 weeks of issuing this Permit.
- 5.11 No waste is to be placed within 5m of any watercourse adjoining the site or within the site.
- 5.12 If in the opinion of the Council Area Engineer, or his representative, damage is occurring to the public road, the Engineer, or his representative, shall be empowered to verbally instruct the Permit Holder to cease accepting waste at the site from the end of the day on which instruction issues. The Permit Holder shall close the site and lock the gates. Activities shall not re-commence until the Area Engineer, or his representative, gives authorisation to re-commence.
- 5.13 The Permit Holder shall ensure that all traffic entering and exiting the site can do so without causing a traffic hazard, that road and warning signage is in place on the approaches to the site, and site entrance, and that the road surface of the surrounding road network, and site entrance is maintained in good condition. The Permit Holder to the satisfaction of the Council, shall, at the Permit Holder's expense, rectify road surfaces damaged as a result of the Permit Holder's operations.

**REASON:** *To provide for the control of nuisances and emissions from the facility and to provide for the protection of the environment.*

## CONDITION 6: ENVIRONMENTAL MONITORING

- 6.1 The Permit Holder shall grant immediate and unhindered access to the site, including sewers and pipes, at all reasonable times to any authorised personnel representing any Statutory Body having responsibility for environmental pollution control to carry out such inspections, monitoring and investigations as the Body deems necessary.

- 6.2 If so requested by the Council, the Permit Holder shall, at his own expense, carry out such further investigations and monitoring of the facility as required by the Council. The scope, detail and programme, including report structure and reporting schedule, for any such investigations and monitoring shall be in accordance with any written instructions issued by the Council.
- 6.3 In the event that any monitoring or observations indicate that an incident of pollution of waters in the vicinity of the site, or an incident of leachate discharge onto adjoining lands, has taken place or may have taken place, reception of waste onto the site shall cease, and remedial measures shall be carried out immediately as directed by the Council.
- 6.4 If so requested by North Tipperary County Council, the Permit Holder shall, at his own expense, make a suitable excavator available for the purposes of excavating trial holes in the waste material deposited on the site, and shall arrange for the excavator to carry out whatever works are required by the Council on the site.
- 6.5 *The Permit Holder shall carry out such monitoring and at such locations and frequencies as set out below:*

**A) Monitoring of noise**

*Monitoring locations to be agreed with North Tipperary County Council within one month of receipt of the waste permit.*

| <b>Parameter</b>   | <b>Monitoring Frequency</b> | <b>Analysis</b> |
|--|-----------------------------|-----------------|
| <i>L(A)EQ[30 minutes]</i>                                | <i>Annually</i>             | <i>Standard</i> |
| <i>L(A)10[30 minutes]</i>                                | <i>Annually</i>             | <i>Standard</i> |
| <i>L(A)90[30 minutes]</i>                                | <i>Annually</i>             | <i>Standard</i> |
| <i>Frequency Analysis<br/>(1/3 octave band analysis)</i> | <i>Annually</i>             | <i>Standard</i> |

**B) Monitoring of effluent to treatment system**

*Monitoring locations, frequency, and parameters to be agreed with North Tipperary County Council within one month of receipt of the waste permit.*

**REASON:** *To ensure compliance with the requirements of the conditions of this licence.*

**CONDITION 7: SITE INFRASTRUCTURE**

- 7.1 The Permit Holder shall establish all infrastructure referred to in the permit application within one (1) month of the date of issue of this Permit. The layout of the facility and infrastructure shall be as specified on the drawings submitted with the application.
- 7.2 Before commencement of operations, the Permit Holder shall have obtained planning permission for the development.
- 7.3 Any conditions imposed by the Planning authority shall be complied with, prior to, during and on completion of operations.
- 7.4 Access to the site shall only take place via the existing entrance.
- 7.5 The existing entrance shall be adequately maintained so that no mud is brought out onto the public road.
- 7.6 The entrance gate shall be shut and locked when the facility is unsupervised.

- 7.7 Site shall be adequately screened and enclosed.
- 7.8 No alterations to the drainage system at the facility shall be undertaken without prior written approval of the Council.
- 7.9 Within two months of the date of the grant of this permit, an identification sign shall be provided and maintained at the entrance to the facility so that it is legible to persons from the public road. The minimum dimensions of the identification board shall be 1200mm by 750mm.

The Board shall clearly show:

- 7.9 a) That the facility has a Waste Permit from North Tipperary County Council, the Waste Permit Number and the date of grant of the permit
- 7.9 b) The normal hours of opening of the facility
- 7.9 c) The name, address, telephone number of the Permit Holder
- 7.9 d) An emergency out of hours contact telephone number
- 7.9 e) where and when environmental monitoring information relating to the facility can be obtained.

**REASON:** *To provide for efficient operations on site and the protection of the environment.*

**CONDITION 8: RESTORATION & AFTERCARE**

- 8.1 If cessation of operations occurs, the applicant will be responsible for the proper cleaning of the premises, both inside and outside, which shall be nuisance-free and environmentally non-damaging, and for the restoring of the facility and its environs to a state where all wastes are properly disposed of in a safe and satisfactory manner.
- 8.2 *The Permit Holder shall provide to the Environment Section a bond in the amount of €20,000 within two months of the granting of this Permit, to provide for clearing of the site in the event of the Permit Holder ceasing to trade.*

**REASON:** *To provide for the restoration and aftercare of the facility.*

## CONDITION 9: CONTINGENCY ARRANGEMENTS

- 9.1 A supply of absorbent material shall be kept on site to provide an emergency response in the event of an oil leak or similar emergency.
- 9.2 Adequate fire extinguishers and emergency response equipment shall be maintained on site.
- 9.3 The Permit Holder shall ensure that an Emergency Response Procedure (ERP) is in place which shall address any emergency situation which may originate on-site. This procedure shall include provision for minimising the effects of any emergency on the environment. This ERP is to be submitted to the Council not more than two (2) months after the date of issue of the Permit. *The Permit Holder shall ensure that all personnel on site are familiar with the ERP and are capable of implementing it in the event of an emergency.*
- 9.4 *Measures to prevent spillage of acid at the battery filling area shall be submitted to North Tipperary County Council not more than two (2) months after the date of issue of the permit. Any spillage of acid on site shall be immediately reported to North Tipperary County Council.*
- 9.5 *The Permit Holder shall carry out a risk assessment to determine the requirements at the facility for fire fighting and firewater retention facilities, and shall within three months from the date of grant of this permit, submit a report, including recommendations, on the risk assessment to North Tipperary County Council for its agreement.*
- 9.6 *In the event that any monitoring, sampling or observations indicate that contamination has, or may have, taken place, the Permit Holder shall immediately:*
- (i) *carry out an immediate investigation to identify and isolate the source of the contamination;*
  - (ii) *identify the date, time, and place of contamination*
  - (iii) *put in place measures to prevent further contamination and to minimise the effects of any contamination on the environment;*
  - (iv) *identify and implement measures to prevent a reoccurrence*
  - (v) *identify and implement any other appropriate remedial action*
  - (vi) *maintain a written record of all the above, and*
  - (vii) *notify the Council as soon as possible.*

**REASON:** *To provide for the protection of the environment by control of fire risk and chemical spills.*

## CONDITION 10: CHARGES AND FINANCIAL PROVISIONS

- 10.1 The Permit Holder shall make an annual payment of €1500 to the Council; the first payment shall be made within three (3) weeks of the date of issue of this permit and thereafter not later than 31<sup>st</sup> January of each year. The Council will use this payment towards the cost of monitoring the activity to the extent that it considers necessary for the performance of its duties under the Waste Management Act 1996. This payment is non-refundable.
- 10.2 In the event that the frequency or extent of monitoring or other functions carried out by the Council requires to be increased for whatsoever reason, the Permit Holder shall contribute such increased and/or additional sums as may be determined by the Council to defray its costs.

**REASON:** *To provide for adequate financing for monitoring and financial provisions for measures to protect the environment.*

## Appendix A

Wastes which may be accepted at this waste facility are as follows:

| European Waste Catalogue Code | Description     | Quantity per Annum |
|-------------------------------|-----------------|--------------------|
| 16 06 01                      | Lead batteries  | 146 tonnes         |
| 16 06 02                      | Ni-Cd batteries | 4 tonnes           |

Disposal/Recovery facilities in Republic of Ireland used in conjunction with this permit.

| Owner of Facility | Licence / Permit No. |
|-------------------|----------------------|
| None              |                      |

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Comhairle Contae Thiobraid Árann Thuaidh  
North Tipperary County Council



WP/TN.53

Civic Offices, Limerick Road, Nenagh, Co. Tipperary.  
Oifigí Cathartha, Bóthar Luimnigh, An t-Aonach, Contae Thiobraid Árann.

12<sup>th</sup> October, 2007.

Hi Volt Ireland Limited,  
Ballyduff,  
Two Mile Borris,  
Thurles,  
Co. Tipperary.

**RE: Waste Permit Review Application WP/TN/53**

Dear Sir/Madam,

I refer to your application to include additional waste types and increase the permitted quantity on your waste permit WP/TN/53.

The application has been approved and the conditions of WP/TN/53 are amended by the substitution for Appendix A of the following:

**Appendix A**

Wastes which may be accepted at this waste facility are as follows:

| European Waste Catalogue Code | Description  | Quantity tonnes per annum      |
|-------------------------------|--|--------------------------------|
| 16 06 01                      | Lead batteries   | Total quantity<br>3,500 tonnes |
| 16 06 02                      | Ni-Cd batteries  |                                |
| 16 06 03                      | Mercury containing batteries   |                                |
| 16 06 04                      | Alkaline batteries (except 16 06 03)   |                                |
| 16 06 05                      | other batteries and accumulators   |                                |
| 16 06 06                      | Separately collected electrolyte from batteries and accumulators   |                                |
| 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  |                                |

No other facility shall be used without prior approval from the permitting authority. Details of any facility which the applicant proposes to use in conjunction with the

## **B.6 NOTICES AND ADVERTISEMENTS**

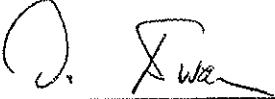
Figure WLA-01 shows the locations where Site Notice has been erected. A copy of both the Site and Newspaper Notice are included in this attachment.

The correspondence notifying the planning authority of this application being made is included in this Attachment B.6.

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permit, shall be submitted to North Tipperary County Council for approval at least 4 weeks before such use is proposed to commence.

Yours faithfully,



---

**FOR DIRECTOR OF SERVICES**

SD/CB

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# SITE NOTICE

## APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE LICENCE

Notice is hereby given in accordance with the provisions of the Waste Management Acts, 1996 to 2008 that Hi-Volt Ireland Limited, Ballyduff, Thurles, Co. Tipperary will submit an application for a waste licence for a proposed Hazardous Waste Facility in the townlands of Shanballyduff and Piercetown, Thurles, Co. Tipperary.

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 quantities of waste proposed is 21,000 tonnes per annum.

The principal activity at the facility, as specified in the Fourth Schedule the Waste Management Acts, 1996 to 2008 is as follows:-

“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.”

Other activities to be carried out at the site as specified in the Fourth Schedule to the Waste Management Acts, 1996 to 2008 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; and
4. Recycling or reclamation of other inorganic materials”

A copy of the Application for a Waste Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application, will, as soon as practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Agency

**North Tipperary County Council**

***Schedule of Conditions – File Reference Number 03510169***

**SCHEDULE ONE**

Subject to compliance with the conditions set out hereunder, the development is in accordance with the policies of the County Development Plan and in accordance with the proper planning and sustainable development of the area.

**SCHEDULE TWO**

- 1 Save where modified by the following conditions, the development shall be carried out in accordance with the drawings and documentation submitted with the planning application on the 28/02/03 as amended by the revised drawings and documentation received on the 22/10/03.  
**Reason: In the interest of proper planning and sustainable development.**
- 2 The entrance shall be erected as shown on the site layout plan to scale of 1:500 submitted in reply to the Planning Authorities request for further information on the 22/10/03. At the entrance, a cattle grid or approved equivalent surface water cut-off drain shall be set back a minimum distance of 3 metres behind the recessed roadside boundary, the surface level of which shall be a minimum of 100 mm below the level of the edge of the adjacent public road and it shall discharge to a stone filled sump located within the site. Wing walls or fence shall be splayed outwards from the entrance to give an opening width at the front boundary of not less than 0.5 metres.  
**Reason: In the interest of traffic safety.**
- 3 The existing vehicular entrance shall be closed immediately following the opening of the new vehicular entrance onto the site. A new hedge containing a mix of deciduous shrubs suitable for hedging and common to the locality (e.g. holly, hawthorn, blackthorn, field maple) shall be planted at the closed entrance. The hedging shall be planted continuously (in a double row) and indefinitely maintained. A minimum of ten deciduous trees of native (not dwarfed) species shall be planted in the hedge in order to reduce the visual impact of the development. Suggested species include field maple, sycamore, silver birch, rowan, white beam, and space permitting, oak, beech or chestnut. Trees when planted shall be a minimum height of 3 metres height above ground level and the trees shall be maintained indefinitely and replaced if failure occurs. All landscaping shall take place in the first planting season following the grant of planning permission.  
**Reason: In the interests of visual amenity.**
- 4 All commercial operations on the site shall cease after a period of ten years from the date of grant of permission save where the continuation of the commercial use is permitted by a new grant of planning permission.  
**Reason: In the interest of proper planning and sustainable development.**
- 5 The effluent treatment system shall be installed and commissioned by the manufacturer and shall be maintained in a satisfactory working condition at all times. The design and layout of the effluent treatment system shall comply fully with the requirements of the Wastewater Treatment Manuals, Treatment Systems for Single Houses as compiled by the Environmental Protection Agency 1999. The applicant shall take out a maintenance contract to guarantee continual effective treatment of the effluent and submit full details of the system for the written agreement of the Planning Authority prior to the commencement of development.

The final effluent shall be discharged to a percolation area in accordance with the following levels:  
Biochemical Oxygen Demand:- average less than 20 milligrams per litre  
Suspended Solids: - average less than 30 milligrams per litre.

**Reason: In the interest of public health and amenity.**

North Tipperary County Council

*Schedule of Conditions – File Reference Number 03510169*

- 6 No discharge of wastewaters from the development to surface water or ground water shall take place save in accordance with terms of a Discharge License under the Local Government (Water Pollution) Act 1977, as amended.  
**Reason: To obviate the risk of pollution arising.**
- 7 Within two months of the grant of permission, the applicant shall submit details regarding the treatment of wastes produced by the development for the written agreement of the Planning Authority. Details should include the quantities and types of all waste products, the means, period and location of storage of wastes on site prior to disposal and precise details of methods of disposal. The applicant shall submit the above on an annual basis for the agreement of the Planning Authority.  
**Reason: In the interest of proper planning and sustainable development.**
- 8 Within two months of the grant of permission, the applicant shall submit details regarding the type and quantity of hazardous materials stored on the site for the written agreement of the Planning Authority. Details should include the means and location of storage on site.  
**Reason: In the interest of proper planning and sustainable development.**
- 9 The development shall be operated at all times in such a manner as to ensure that no injurious affection is caused to adjoining or nearby property. Should the operation of the development give rise to complaints in regard to noise, smoke, dust, fumes, grit, electrical interference or for any other cause and should the Planning Authority on investigation find such complaints to be justified, applicant will be required to take whatever steps are deemed necessary by the Planning Authority to remedy the situation.  
**Reason: To protect the amenities of adjoining properties.**
- 10 No signs, nameplates, symbols or other advertising structures shall be erected on the site or adjoining public road and no advance advertising signs shall be erected on the public road in the vicinity.  
**Reason: In the interest of traffic safety and visual amenity.**
- 11 No waste/hazardous materials shall be stored externally on the site.  
**Reason: In the interest of proper planning and orderly development.**
- 12 All surface water runoff from roofs and paved areas shall be collected and disposed of by means of soakaways located on the site. Surface water runoff shall not be allowed to discharge onto the public road or adjoining properties.  
**Reason: To avoid interference with other properties and to prevent damage to the public road with consequent traffic hazard.**
- 13 No car parking, deliveries/collection of materials or wastes associated with the development shall take place on the public road.  
**Reason: In the interest of traffic safety and visual amenity.**
- 14 All new and existing site boundaries shall be hedged with a mix of deciduous shrubs suitable for hedging and common to the locality (e.g. holly, hawthorn, blackthorn, field maple). The hedging shall be planted continuously (in a double row) and indefinitely maintained along the boundaries of the site. A minimum of thirty deciduous trees of native (not dwarfed) species shall be planted in the hedgerow in order to reduce the visual impact of the development. Suggested species include field maple, sycamore, silver birch, rowan, white beam, and space permitting, oak, beech or chestnut. Trees when planted shall be a minimum height of 2 metres height above ground level and the trees shall be maintained indefinitely and replaced if failure occurs. All landscaping shall take place in the first planting season following the grant of planning permission.  
**Reason: In the interests of visual amenity.**

North Tipperary County Council

*Schedule of Conditions – File Reference Number 03510169*

- 15 All cladding on the external walls, doors and roofs of the development shall be dark green in colour.  
**Reason: In the interests of visual amenity.**
- 16 The developer shall during the construction period prevent material from coming onto the public road that would cause a hazard to road users or pedestrians. Any damage to the roadway by construction works shall be repaired at the developer's expense to the requirements of North Tipperary County Council as Roads Authority.  
**Reason: In the interest of traffic safety and the orderly development of the area.**
- 17 The existing overhead cable services located on the site shall be relocated where necessary. All such alterations shall be carried out in consultation with the relevant service provider.  
**Reason: In the interest of traffic safety.**
- 18 The developer shall pay to the Planning Authority prior to the commencement of development a sum of money as a contribution toward expenditure incurred or to be incurred within 7 years in respect of the provision of community facilities in the relevant electoral area, the amount of such contribution to be computed as having a cash value of €9,947 on 14/11/03 thereafter subject to adjustment in accordance with the Housing Building Cost Index as published by the Department of the Environment or the prevailing rate of the Planning Authority at date of payment of such contribution whichever is the lesser.  
**Reason: It is considered reasonable that the developer should contribute to the cost of community facilities which will facilitate the development.**
- 19 The developer shall pay to the Planning Authority within three months of the grant of planning permission a sum of money as a contribution toward expenditure incurred or to be incurred within 7 years in respect of the provision of public water supply, the amount of such contribution to be computed as having a cash value of €5,919 on 14/11/03 thereafter subject to adjustment in accordance with the Housing Building Cost Index as published by the Department of the Environment or the prevailing rate of the Planning Authority at date of payment of such contribution whichever is the lesser.  
**Reason: It is considered reasonable that the developer should contribute to the cost of public infrastructure which will facilitate the development.**
- 20 Prior to the commencement of development, the applicant shall submit an east-west longitudinal section to scale of 1:100 through the storage shed showing the existing ground level, finished floor level, roof ridge height and excavations as necessary to sit the structure into the contours of the site for the written agreement of the Planning Authority. Development shall not be commenced prior to the written agreement of the Planning Authority.  
**Reason: In the interest of visual amenity.**
- 21 The requirements of the Chief Fire Officer shall be complied with.  
**Reason: In the interest of proper planning and sustainable development.**



File

.....DIRECTOR OF SERVICES ORDER NO. ....

Subject: PERMISSION for carrying out of development at Shanballyduff & Piercetown, Thurles.

File No 03510169

I, Patrick Heffernan, Director of Services, North Tipperary County Council, by virtue of the powers conferred on me under Section 154 of the Local Government Act, 2001 hereby order

that pursuant to the provisions of the Planning & Development Acts 2000 - 2002 and relevant Regulations made thereunder, I hereby decide to grant PERMISSION to Richard Gleeson, Ballyduff, Thurles, Co. Tipperary, for carrying out development at Shanballyduff & Piercetown, Thurles in accordance with application received from Richard Gleeson, C/o Larry O'Sullivan, T. M. P., Turtulla Cross, Thurles, on 28/02/2003, 25/03/2003, 05/09/2003 and 22/10/2003 and as recommended by the Senior Planner, Planning and Development Section in his report dated 14/11/2003 which I have considered and to the extent which I have indicated on the said report which I have this day signed and I hereby further order that PERMISSION be granted subject to 21 conditions, on a date being five weeks from the date of this order, unless a valid appeal is brought against this decision within the appropriate period.

74

Director of Services

DATED: 14/11/03

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weeks beginning on the date of receipt by the authority of the application.

on the date of receipt by the authority of the planning application.

be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority during its public opening hours and that a submission or observation in relation to the application may be made in writing to the planning authority on payment of the prescribed fee within the period of five weeks beginning on the date of receipt by the authority of the planning application.

LICENCE APPLICATIONS

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE LICENCE

Notice is hereby given in accordance with the provisions of the Waste Management Acts, 1996 to 2008 that Hi-Volt Ireland Limited, Ballyduff, Thurles, Co. Tipperary will submit an application for a waste licence for a proposed Hazardous Waste Facility in the townlands of Shanballyduff and Piercetown, Thurles, Co. Tipperary (National Grid Reference E218961, N161197).

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 quantities of waste proposed is 21,000 tonnes per annum. The principal activity at the facility, as specified in the Fourth Schedule the Waste Management Acts, 1996 to 2008 is as follows:-

1. 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.

Other activities to be carried out at the site, as specified in the Fourth Schedule to the Waste Management Acts, 1996 to 2008 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; and

4. Recycling or reclamation of other inorganic materials. A copy of the Application for a Waste Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application, will, as soon as practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Agency.

THURLES TOWN COUNCIL

We, Order of Malta Ambulance Corps Thurles, wish to apply to the above authority for full planning permission for change of plans on previously granted permission (planning ref no. 04540030), with all associated siteworks and ancillary works at Boheravooron, Thurlestownparks, Thurles, Co. Tipperary.

This application may be inspected, or purchased, at the Offices of the Planning Authority, during public opening hours. A Submission or Observation in relation to the application may be made in writing to the Planning Authority during a period of five weeks, beginning on the date of receipt by them of the Application. Submissions or observations must be accompanied by a fee of €20.

Players born 1998 - 1999, 10 a.m. to 11 a.m.  
Players born 2000 - 2004, 11 a.m. to 12 p.m.  
Academy kit in club colours available for 30 euro. Contact (086) 0501205 for any queries.

**Lotto** Jackpot not won and now stands at 13,100 euro. Draw at Littleton Bingo on Friday nights with tickets from usual sources and also on line at localotto.ie Winning numbers last weekend 12, 20, 22, 26.

Any queries on all weather pitch bookings, contact (086) 1600640.

Fixtures

Schoolboys will be notified of fixtures at training this week.



The students at Cistercian College have entered the banking world launched the College Bank in conjunction with AIB Bank. Pictured: Celline Cody, Principal, Wendy Corry AIB Roscrea, Shane McGDwyer, College Bank Manager Cistercian College Roscrea

LEGAL NOTICES

REVIEW OF THE REGIONAL PLANNING GUIDELINES FOR THE MID-WEST REGION 2004-2016 & PREPARATION OF NEW REGIONAL PLANNING GUIDELINES FOR THE MID-WEST REGION 2010-2022

The Mid-West Regional Authority intends to review the Regional Planning Guidelines for the Mid-West Region with a view to preparing new Regional Planning Guidelines for the period 2010 to 2022. The functional area of the Mid-West Regional Authority comprises Limerick City and the Counties of North Tipperary, Clare and Limerick.

The guidelines will address, in accordance with the principles of proper planning and sustainable development:

- A. projected population trends and settlement and housing strategies;
- B. economic and employment trends;
- C. the location of industrial and commercial development;
- D. transportation, including public transportation;
- E. water supply and waste water facilities;
- F. waste disposal;
- G. energy and communications networks;
- H. the provision of educational, health care, retail and other community facilities;
- I. the preservation and protection of the environment and its amenities, including the archaeological, architectural and natural heritage;
- J. such other matters as may be prescribed.

The regional authority proposes to carry out an environmental assessment as part of the making of regional planning guidelines, and for this purpose, will prepare an environmental report of the likely significant effects on the environment of implementing the regional planning guidelines.

As part of this review, a public consultation period is being commenced to ascertain the views of all those interested. An issues paper has been prepared to assist in this process.

HealthUpdate From Air

Peer pressure drives teen smoking

Irish teenagers believe that smoking plays an important role in being accepted by their peers and being socially accepted is more important to them than their health, a new report has shown.

The voice of young people - A report on teenagers' attitudes to smoking involved teenagers aged 16-18 and looked at issues such as smoking habits and attitudes to health.

According to the Office of Tobacco Control, 16% of people aged 12-17 and nearly a quarter of 16-17 year olds are currently smoking.

The study found that most of the teenagers who took part in the research began smoking at the age of 12 or 13 and for many, moving from primary to secondary school appeared to be a trigger point for taking up the habit.

Other major influences on teen smoking are alcohol use in the early teenage years and having parents who smoke. Teenagers reported a tendency to smoke 'more cigarettes' at the weekend than during the week and said that alcohol was a key factor in why they smoked more at the weekend.

Both cigarettes and alcohol were regarded as an important aspect of teen social life. Alcohol in combination with peer pressure encouraged a loss of inhibition, thus prompting experimentation with tobacco.

The report noted that in terms of trying their first cigarette, peer pressure, curiosity and being



sophisticated decision.

When asked teenagers ping exercise. However, staying

None of the considered the too much, drink junk food' citec

Meanwhile, interviewed re point in the p to date to give majority were c habit at some p

Irish people living longer

Life expectancy for both men and women in Ireland has increased, according to the latest figures. However, women can still expect to live almost five years longer than their male counterparts.

According to the latest figures from the Central



Treating

My 16 recommend the Pill. I am treatment side-effects I let her pr

**Golder Associates Ireland**

Town Centre House,  
Dublin Road, Naas,  
Co. Kildare, Ireland

Tel: [353] (0)45 874411  
Fax: [353] (0)45 874549  
<http://www.golder.com>



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

25<sup>th</sup> February 2009  
08507190301

**NOTICE OF APPLICATION TO THE ENVIRONMENTAL PROTECTION  
AGENCY FOR A WASTE LICENCE**

To whom it may concern,

In accordance with Article 9(1) of the Waste Management (Licensing) Regulations, 2004, we wish to notify the planning authority that our office will submit a Waste Licence Application on behalf of our client Hi-Volt Ireland Limited, Ballyduff, Thurles, Co. Tipperary for a Hazardous Waste Facility in the townlands of Shanballyduff and Piercetown, Thurles, Co. Tipperary. This application will be submitted to the EPA's offices in Johnstown Castle Estate, County Wexford.

In accordance with Article 9(2) Waste Management (Licensing) Regulations, 2004 the attached notice is provided in the same form as the newspaper notice that has been published in regard to this application and meets the requirements of Article 6 of the above-mentioned Regulations.

Yours sincerely,

**GOLDER ASSOCIATES IRELAND**

*Bridin Mulhall*

Bridin Mulhall M.Sc., AIEMA  
Project Manager

Attachments: Text of Newspaper Notice

cc: Richard Gleeson, Hi-Volt Ireland Limited

BM/bm

# APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE LICENCE

Notice is hereby given in accordance with the provisions of the Waste Management Acts, 1996 to 2008 that Hi-Volt Ireland Limited, Ballyduff, Thurles, Co. Tipperary will submit an application for a waste licence for a proposed Hazardous Waste Facility in the townlands of Shanballyduff and Piercetown, Thurles, Co. Tipperary (National Grid Reference E618917, N661237).

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 quantities of waste proposed is 21,000 tonnes per annum.

The principal activity at the facility, as specified in the Fourth Schedule the Waste Management Acts, 1996 to 2008 is as follows:-

“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.”

Other activities to be carried out at the site, as specified in the Fourth Schedule to the Waste Management Acts, 1996 to 2008 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; and

4. Recycling or reclamation of other inorganic materials”

A copy of the Application for a Waste Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application, will, as soon as practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Agency

## **B.8 SEVESO II REGULATIONS**

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.

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### SECTION C – MANAGEMENT OF THE FACILITY

| <b>Sub-Section</b> | <b>Title</b>                          | <b>Location of Information</b> |
|--------------------|---------------------------------------|--------------------------------|
| C.1                | Site Management                       | WLA p.19 and Attachment C.1    |
| C.2                | Environmental Management System (EMS) | WLA p.19 and Attachment C.2    |
| C.3                | Hours of Operation                    | WLA p.19 and Attachment C.3    |
| C.4                | Conditioning Plan                     | WLA p.19 and Attachment C.4    |

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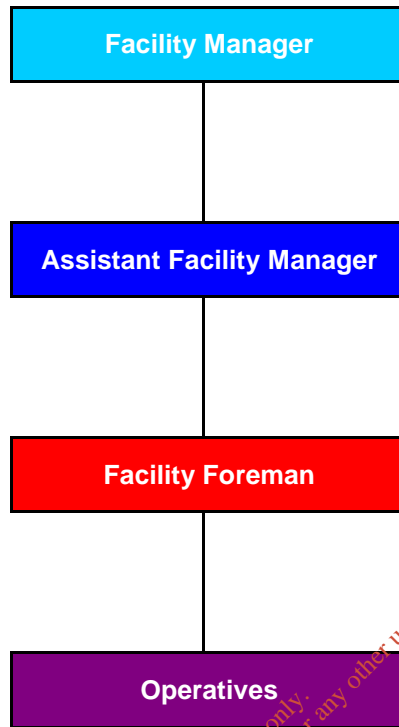
## C.1 SITE MANAGEMENT

The facility is currently in operation and has a management structure in place. However the management realise that to operate a waste licence certain duties need to be fulfil. The Table below demonstrates the duties and responsibilities that will be required for the once a waste licence have been secured.

### C.1.a On-Site Management Structure Chart

| Position                   | Duties and Responsibilities   | Experience / Qualifications   |
|----------------------------|---|---|
| Facility Manager           | Supervision of operations on site, management of waste licence conditions, supervisor of site engineering works and overall management of site staff . Responsible for the day-to-day running of the Facility as per licence requirements. This includes the operation and control of all abatement systems on site as per operational and environmental management procedures. | Diploma in Transport Management<br>Forklift Training<br>Manual Handling<br>Fire Prevention Training<br>Hazchem training |
| Assistant Facility Manager | Supervision of operations on-site, management of waste licence conditions onsite, supervisor of site engineering works and overall management of site staff, weighbridge and facility development.  | Forklift Training<br>Manual Handling<br>Fire Prevention Training<br>Hazchem training.                                   |
| Facility Foreman           | Carry out daily facility operations as per operational and management procedures  | Forklift Training<br>Manual Handling<br>Fire Prevention Training<br>Hazchem training                                    |
| Site Operatives (two)      | Operation of plant and equipment and waste inspections at stockpiles  | Forklift Training<br>Manual Handling<br>Fire Prevention Training<br>Hazchem training                                    |

### C.1.b Facilities Operation Management Structure



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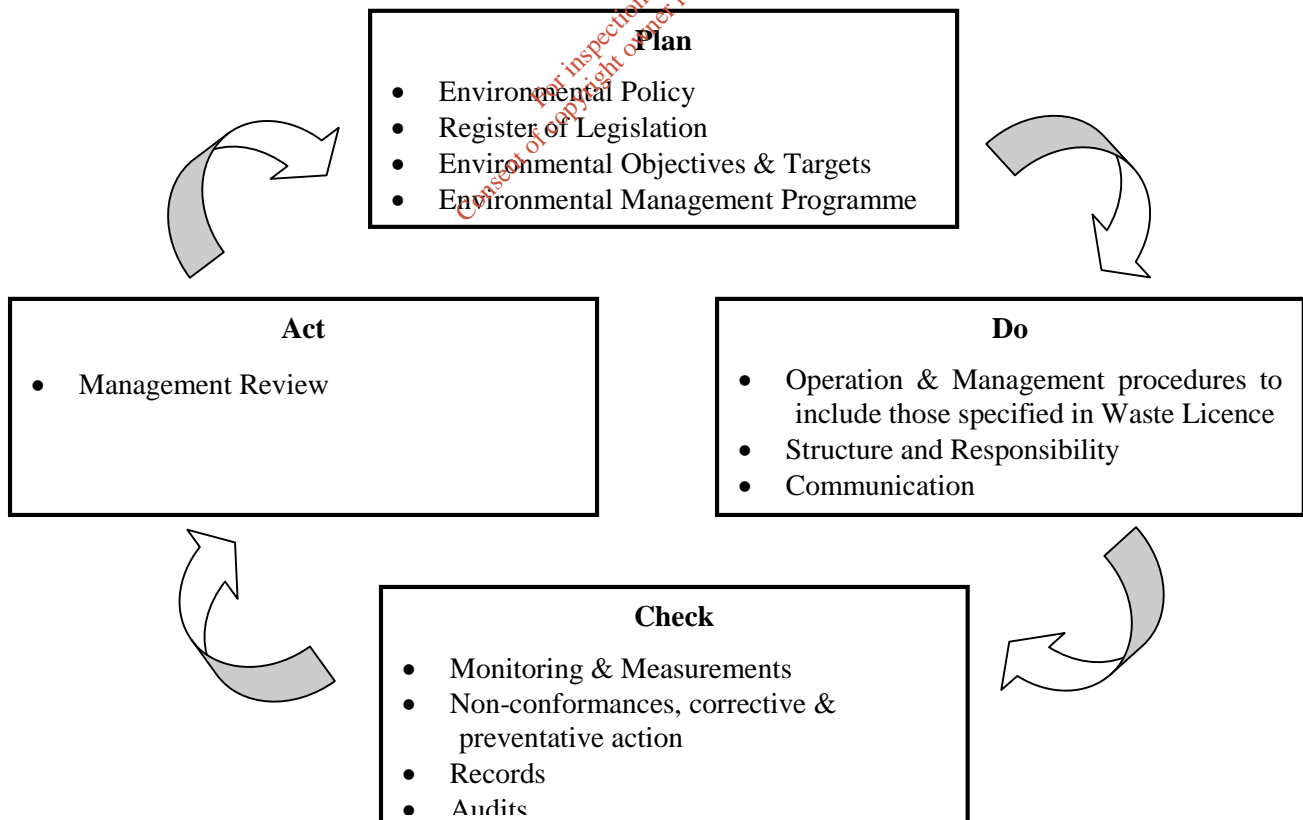
## C.2 ENVIRONMENTAL MANAGEMENT SYSTEM

An Environmental Management System (EMS) will be developed for the Facility. An EMS involves the implementation of a system, which forms the basis of continuous, structured and quantifiable improvement in environmental performance. The EMS for the Facility will become part of the overall management system for the site and will deal with the environmental issues relating to the Facility and control potential environmental impacts.

The EMS for the Facility will include as a minimum the elements specified below:

- Schedule of Environmental Objectives and Targets;
- Environmental Management Programme (EMP);
- Corrective Action;
- Awareness and Training;
- Management Structure; and
- Communications.

The EMS is based around the following concept of continuous improvement.





### **C.2.a Environmental Policy Statement**

An environmental policy will be developed which is appropriate to the nature and scale of the environmental aspects of the Facility. This document will be implemented and maintained. It will be communicated to all employees and made available to the public if requested. A signed policy will be displayed in the site office.

### **C.2.b Register Of Legislation**

The register of legislation includes all relevant legislation, both national and EU including planning, effluent discharge licences and air emissions.

### **C.2.c Objectives And Targets (O&T)**

O&T are important in directing and assessing an EMS and help to maintain a high standard of environmental performance. The setting of the O&T will be based on environmental policy and environmental considerations, which are significant. Objectives will be divided into individual targets where appropriate, but which sum to achieve the overall environmental objective.

O&T will be demanding, qualitative, subject to timescale, achievable and fair. O&T will also be reviewed on an annual basis and are contained in the Annual Environmental Report and the Environmental Management Programme.

### **C.2.d Environmental Management Programme**

This document will act as a site manual for the future operation of the Facility. The EMP also sets out how the Schedule of O&T will be achieved through:

- A programme for achieving the targets set down in the schedule of O&T;
- Designation of responsibility; and
- Time frame

### **C.2.e Procedures**

A procedure should describe the manner of carrying out a relevant activity and should be clear, logical and understandable. Procedures are an essential part of the environmental management system and are divided into two sections:

- Management Procedures; and
- Operational Procedures

These procedures will be reviewed on an annual basis or as necessary and will be contained in the environmental procedures and programmes manual.

### **C.2.f Structure And Responsibility**

Clear management structures will be defined for the Facility. Experienced staff comparable with the level of expertise required will be assigned to each role.

### **C.2.g Communication**

A communication programme is important, as it will encourage the licensee to be pro-active by making relevant information available to the public. This programme will be contained in the environmental procedures and programmes manual.

### **C.2.h Monitoring And Measurements**

Environmental monitoring at the facility will be undertaken in accordance with the requirements of the Waste Licence. Samples will be analysed at an accredited laboratory. Procedures will be developed to ensure monitoring is carried out.

### **C.2.i Non-Conformances, Corrective And Preventive Action**

A corrective action procedure will be established to define who is responsible to investigate non-conformances and to determine corrective action to be taken. This procedure will be contained in the environmental procedures and programmes manual.

### **C.2.j Records**

Environmental records are required as:

- Verification of the on-going operation of the EMS;
- To provide information for reporting to the Environmental Protection Agency as per licence requirements; and
- To meet legal and regulatory requirements.

The Environmental Management System will comprise of control documents managed under the following hierarchy approach. Record requirements will be included as part of the individual procedures.

### **C.2.k Audits**

Internal audits will also be undertaken to ensure that licence requirements are being met and Environmental Management System is being properly implemented and maintained. This procedure will be contained in the environmental procedures and programmes manual.

### **C.2.1 Management Review**

The purpose of a management review is to reconsider the effectiveness of the Environmental Management System and Objectives set out as a result of changing circumstances, commitment to continual improvement and to initiate any required change.

Management reviews will be undertaken on a minimum yearly basis and following any audits undertaken at the facility to consider recommendations made.

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### **C.3 APPLICANT DETAILS HOURS OF OPERATION**

#### **C.3.a Proposed Hours of Operation**

In keeping with EPA Guidance, activity operations shall be confined to the hours between 07.00 and 18.00, Monday to Friday inclusive (excluding Public Holidays) and between 07.00 and 14.00 on Saturdays, with no activities being permitted on Sundays or public holidays.

#### **C.3.b Proposed Hours of Waste Acceptance / Handling**

Waste will be accepted at the Facility between the hours of opening and closing as listed above.

#### **C.3.c Proposed Hours of Construction and Development Works at the Facility and Timeframes**

Any construction or development of works at the Facility will be part of the proposed hours of operation listed above.

#### **C.3.d Other Relevant Hours of Operation Expected**

There are no other relevant hours of operation expected at this time for the Facility.

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#### **C.4 CONDITIONING PLAN**

A conditioning plan must be submitted under Article 14 of the Landfill Directive (1999/31/EC) for landfills that have been granted a permit, or which are already in operation at the time of transposition of this Directive. As this is an application for a recovery Facility it is not subject to submitting a conditioning plan, therefore Not Applicable.

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## SECTION D – INFRASTRUCTURE & OPERATION

| Sub-Section | Title              | Location of Information     |
|-------------|--------------------|-----------------------------|
| D.1         | Infrastructure     | WLA p.20 and Attachment D.1 |
| D.2         | Facility Operation | WLA p.21 and Attachment D.2 |

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## **D.1 INFRASTRUCTURE**

This attachment contains the appropriate documentation related to the infrastructure and operation of the Facility associated with the proposed facility. A layout of the infrastructure is shown on Figure WLA-04 and WLA 05.

### **D.1.a Site Security Arrangements Including Gates and Fencing**

Permanent security will be provided around the Facility itself by enhancing existing fencing, and installing 1.2 m high post-and-wire fencing where required.

### **D.1.b Site Access and Roads**

The Facility will be accessed from an existing entrance located on the local road. All internal areas that are trafficked are concrete surfaced, including the entrance to the facility. Additional areas will be surfaced with concrete as part of future development of the Facility.

### **D.1.c Hard-Standing Areas**

Current and proposed hard-standing areas are indicated in Figure WLA 04. Concrete surfaced area will be for waste quarantine, and bunded areas for refuelling plant.

### **D.1.d Plant**

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

### **D.1.e Wheel-Wash**

All material that enters the Facility will be enclosed and therefore no wheel-wash will be required.

### **D.1.f Laboratory Facilities**

There will be a basic testing at the Facility for flashpoint and water content of the waste oil. Further analysis, if required will be sent off site for analysis.

### **D.1.g Fuel Storage Areas**

Diesel fuel will be stored on-Site in appropriately bunded areas. Two diesel tanks are at the facility and currently fuel all plant equipment (3,500 litre and 1,300 litre). An appropriately bunded fuel load-out area, will be provided (Figure WLA-04). Mobile plant will be driven to the fuel load-out area for refuelling.

#### **D.1.h Waste Quarantine Areas**

In line with best-practice procedures, a waste quarantine area will be provided at the Facility to hold, pending removal from Site, inappropriate wastes that are rejected at the Facility during waste storage (Figure WLA-04).

#### **D.1.i Waste Inspection Areas**

All imported materials will be inspected on entry and in accordance with the waste acceptance and handling procedures, see Attached H.2. and H.3.

#### **D.1.j Traffic Control**

The layout ensures that vehicles containing oil entering the site, could go through an optional reception and weighbridge area near the site entrance before travelling to the SW corner where they can execute an Right Hand Down (RHD) reversing procedure into the Oil Reception Facility (ORF). RHD reversing is safer and quicker than left hand down when the driver is on the 'blind side' and can easily fail to see a pedestrian or obstacle. Should there be more than one vehicle wishing to access the ORF, queuing can take place alongside the southern perimeter fence. The ORF is designed to accept the maximum legal size of vehicle and still permit operational space for the loading/unloading of barrels, bales etc using a site fork lift truck. In extreme conditions two vehicles could be in the ORF at the same time.

Vehicles containing other waste material will enter the Facility at another time and use the same turning area. Signage at the Facility will be used wherever required.

#### **D.1.k Sewerage and surface water drainage infrastructure**

There is no sewerage drainage infrastructure required at the facility and surface water drainage is shown on Figure WLA 04.

#### **D.1.l Other Services**

The Facility is currently serviced by the ESB for power and uses two on-site wells for the water supply.

#### **D.1.m Plant Sheds, Garages, and Equipment Compound**

The existing three buildings at the Facility will function for the operations of the Facility.

#### **D.1.n Site Accommodation**

There is an existing office alongside the proposed weighbridge (Figure WLA-04).



#### **D.1.o A Fire Control System, Including Water Supply**

Fire Extinguishers for oil or acid fires will be kept at the relevant location in case of a fire.

#### **D.1.p Civic Amenity Facilities**

There will be no civic amenity facilities at the Application Site therefore this sub-section is Not Applicable

#### **D.1.q Other Waste Recovery Infrastructure**

There is no additional infrastructure required at the Facility for waste recovery.

#### **D.1.r Composting Infrastructure**

There will be no composting infrastructure at the Application Site therefore this sub-section is Not Applicable.

#### **D.1.s Construction and Demolition Waste Infrastructure**

Not Applicable.

#### **D.1.t Incineration Infrastructure (if applicable).**

There will be no Incineration infrastructure at the Application Site therefore this sub-section is Not Applicable

#### **D.1.u Any other Infrastructure**

There is no other infrastructure proposed at this time.

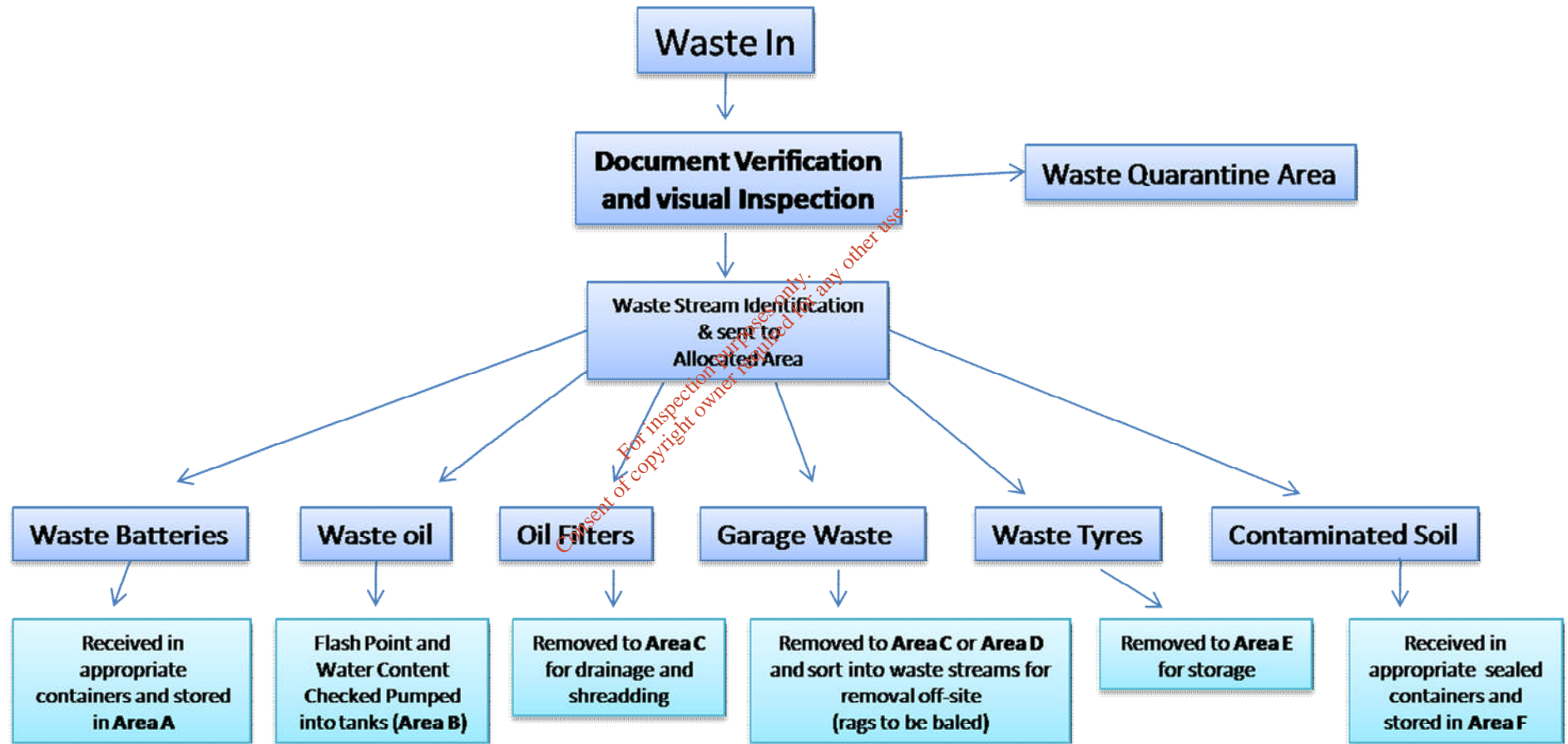
## D.2 FACILITY OPERATION

Details regarding the operation and processes carried out at the Facility in relation to the activities at the facility; buildings and plants; potential emissions; laboratory facilities; and mitigation measures are given in the Table below. A flow diagram is also given to indicate the processes that will be carried out at the Facility (Diagram D.2.b: Flow Diagram of Process).

**Table D.2: Facility Operation**

| Activity                      | Location | Potential Emissions  | Laboratory Facilities   | Mitigation   |
|-------------------------------|----------|--|---|--|
| Store waste batteries         | Area A   | None envisaged as the batteries will be stored in appropriate leak-proof containers. | Not Applicable  | Batteries to be stored in appropriate containers to avoid any spillage or damage to battery container.                               |
| Store waste oil in four tanks | Area B   | Leaks and oil fumes emissions.   | Flash point and water content undertaken on site, any analysis will be undertaken off-site. | Bundling in around all tanks to ensure that any spills will be contained. Built in ventilation for oil fumes from the storage tanks. |
| Oil Filters                   | Area C   | Leaks and oil fumes emissions.   | Not Applicable  | Bundling and building ventilation.   |
| Garage Wastes                 | Area D   | Leaks and oil fumes emissions.   | Not Applicable  | Bundling and building ventilation.   |
| Waste Tyres                   | Area E   | Limited potential to cause emissions unless burnt.                                   | Not Applicable  | Stored outdoors.   |
| Contaminated Soil             | Area F   | Limited potential to cause emissions.  | Not Applicable  | All contaminated soil to be keep in sealed containers.   |

Diagram D.2: Flow Diagram of Process



## SECTION E – EMISSIONS

| Sub-Section | Title                       | Location of Information              |
|-------------|-----------------------------|--------------------------------------|
| E.1         | Emissions to Atmosphere     | WLA p.25 and Attachment E.1          |
| E.2         | Emissions to Surface Waters | WLA p.25 and Attachment E.2          |
| E.3         | Emissions to Sewers         | WLA p.25 and Attachment E.3          |
| E.4         | Emissions to Groundwater    | WLA p.25 and Attachments E.4 and I.4 |
| E.5         | Noise Emissions             | WLA p.25 and Attachment E.5          |
| E.6         | Environmental Nuisances     | WLA p.25 & 26 and Attachment E.6     |

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## **E.1 EMISSIONS TO ATMOSPHERE**

### **E1.a Composting Emissions**

Composting will not take place at the Facility, therefore this sub-section is not applicable.

### **E1.b Particulates – Waste Storage/Treatment/Handling**

Controlling the waste input to a waste storage facility is an important operational matter that has a direct effect upon the pollution/nuisance potential of a facility. Attachments H.2 and H.3 of this document details the acceptance and handling procedures proposed for the facility.

Potential particulate emissions could occur from these procedures is the separation of waste in Area D and C (Figure WLA 04). The sorting of general garage (wastes rags, oil filters, clutch plates, brake drums/disks pads and metals) in these two buildings 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.

The main air emissions arising from the Facility are from vehicle/plant exhaust fumes. It is not expected that these emissions or any dust emissions from the Facility would be higher than allowable limit values.

### **E.1c Landfill Gas Emissions**

There will be no landfill activity at the Facility therefore this sub section is not applicable.

### **E.1d Landfill Leachate Emissions**

There will be no landfill activity at the Facility therefore this sub section is not applicable.

### **E.1e Infectious organisms/pathogens (clinical waste handling)**

There will be no handling of clinical waste at the Facility, therefore this sub section is not applicable.

### **E.1f Thermal Oxidizer Emissions**

No thermal treatment of waste will take place at the Facility, therefore this sub section is not applicable.

### **E.1g Other Emissions**

- All plant operating at the Facility will emit fumes from the combustion of fuel. All plant and machinery at the Facility will be kept in good working order and serviced regularly in order to avoid abnormal levels of emissions; and
- Volatilisation of acids from open vessels/spills can occur where acids/batteries are improperly stored/ moved. Care shall be taken to ensure that all materials are handled accordingly to avoid such emissions.

### **E.1h Fugitive Emissions**

All equipment, plant and services will be maintained and checked regularly to prevent fugitive emissions leaving the Facility.

#### **E.1.8.1 Dust emissions from solids stored in the open**

There will be no elevated dust emissions envisaged from the storage activities at the facility.

#### **E.1.8.2 Loading and Unloading Operations**

All waste at the Facility shall be loaded and unloaded from trucks using a forklift truck and placed in the designated waste storage areas. No emission to the atmosphere are envisaged.

#### **E.1.8.3 Cleaning operations**

The processing area and haul roads will be watered as required to reduce particulates and dust blow during dry periods. It is not anticipated that any detergents will be used during cleaning. Any use of detergents will be communicated to the relevant authority.

#### **E.1.8.4 Emissions from Wastewater/Leachate Treatment (e.g. volatile organics)**

No leachate will be treated at the Facility therefore this sub section is not applicable.

#### **E.1.8.5 Emissions from any Pressure Release Valves on Waste Liquid Tanks**

No waste liquid tanks with pressure release valves will be used at the Facility therefore this sub section is not applicable. Two holding tanks (3,500 litre and 1,300 litre) will be used to store fuel required by plant and machinery. These tanks will be adequately banded for storage and refilling.

#### **E.1.8.6 Emissions from Composting, including Odour and Bio-aerosols**

No composting will take place at the Facility therefore this sub section is not applicable.

**TABLE E.1(i) LANDFILL GAS FLARE EMISSIONS TO ATMOSPHERE**

**Emission Point:**

|                                      |                       |
|--------------------------------------|-----------------------|
| Emission Point Ref. N <sup>o</sup> : |                       |
| Location :                           |                       |
| Grid Ref. (12 digit, 6E,6N):         |                       |
| <b>Vent Details</b>                  | <b>NOT APPLICABLE</b> |
| Diameter:                            |                       |
| Height above Ground(m):              |                       |
| Date of commencement of emission:    |                       |

**Characteristics of Emission :**

|                            |  |
|----------------------------|--|
| CO                         | mg/m <sup>3</sup>  |
| Total organic carbon (TOC) | mg/m <sup>3</sup>  |
| NO <sub>x</sub>            | mg/Nm <sup>3</sup><br>0°C. 3% O <sub>2</sub> (Liquid or Gas), 6% O <sub>2</sub> (Solid Fuel) |
| Maximum volume of emission | m <sup>3</sup> /hr   |
| Temperature                | °C(max)      °C(min)      °C(avg)  |

- (i) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up/shutdown to be included*):

|                           |  |
|---------------------------|--|
| Periods of Emission (avg) | _____ min/hr    _____ hr/day    _____ day/yr |
|---------------------------|--|

**TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE** (1 Page for each emission point)

|  |                       |
|--|-----------------------|
| Emission Point Ref. N <sup>o</sup> :                     |                       |
| Source of Emission:                                      |                       |
| Location :   |                       |
| Grid Ref. (12 digit, 6E,6N):                             |                       |
| Vent Details<br>Diameter:<br><br>Height above Ground(m): | <b>NOT APPLICABLE</b> |
| Date of commencement:                                    |                       |

**Characteristics of Emission :**

|   |                   |                     |                     |
|---|-------------------|---------------------|---------------------|
| (i) Volume to be emitted:   |                   |                     |                     |
| Average/day   | m <sup>3</sup> /d | Maximum/day         | m <sup>3</sup> /d   |
| Maximum rate/hour   | m <sup>3</sup> /h | Min efflux velocity | m.sec <sup>-1</sup> |
| (ii) Other factors <b>NOT APPLICABLE</b>  |                   |                     |                     |
| Temperature   | °C(max)           | °C(min)             | °C(avg)             |
| For Combustion Sources:<br>Volume terms expressed as : <input type="checkbox"/> wet. <input type="checkbox"/> dry.    _____% O <sub>2</sub> |                   |                     |                     |

(iii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

|                           |  |
|---------------------------|--|
| Periods of Emission (avg) | _____ min/hr    _____ hr/day    _____ day/yr |
|---------------------------|--|



### **E.3 EMISSIONS TO SEWERS**

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 (see attachment I.4).

#### **E.3.a On-site or Off-Site Treatment Envisaged**

There will be no discharge to sewers or from any on-site treatment from the Facility.

envisaged for processes at the Facility. The existing office wastewater discharges to a septic tank. The septic tank (primary treatment) is connected to a Bio-Clear wastewater treatment unit (supplied by Clearwater Environmental Solutions).

The Bio-Clear unit is a three chamber tank which requires a small aeration pump (and associated power supply). This system offers further primary settlement of solids in the first chamber. The second chamber aerates the effluent allowing aerobic bacteria to propagate which act to break down the sludge (activated sludge). Finally the effluent flows via gravity into a clarification chamber, allowing any 'humus' to settle out while the liquid fraction is allowed to flow via gravity to a constructed percolation area. This constructed percolation area is located in the landscaped area to the north of the Facility driveway. Both the septic tank and the BioClear unit will be pumped out by an approved contractor on an as-needed basis.

#### **E.3.b If for Off-site: The name of the sewage / WWTP undertaker and a copy of any agreement or permission by the undertaker to accept effluent**

There is no off-site treatment of sewerage proposed for the Facility therefore this sub section is not applicable.

#### **E.3.c Any further treatment by the undertaker, existing or proposed**

No further treatment is envisaged at the Facility.

#### **E.3.d Any problems of sewage treatment associated with the proposed emissions**

No problems are envisaged with sewerage treatment from the Facility.

#### **E.3.e Likely effects of the emissions on sewer or sewerage treatment maintenance operations**

It is not envisaged that the emission will affect the sewer or sewerage treatment maintenance operation.

### **E.3.f Capacity, quality and integrity of the sewer**

There will be no discharge to sewers from the Facility.

### **E.3.g Likely effects of the emissions on sewer integrity**

There will be no discharge to sewers from the Facility.

### **E.3.h Possible reactions of the emission with other effluent likely to be in the sewerage system**

As there are no discharges from the Facility to a sewer, no reactions are expected between the emission and the sewerage system.

### **E.3.i Nature of final emission to the receiving water and the estimated volumetric contribution of the site emissions to the total wastewater treatment plant Dry Weather Flow expressed as a percentage**

There will be no change to the current discharge rate and composition.

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**TABLE E.3: EMISSIONS TO SEWER**

**Emission Point:**

|                                      |                       |
|--------------------------------------|-----------------------|
| Emission Point Ref. N <sup>o</sup> : |                       |
| Location of connection to sewer :    | <b>Not Applicable</b> |
| Grid Ref. (10 digit, 5E,5N):         |                       |
| Name of sewage undertaker:           |                       |

**Emission Details:**

|                           |  |             |  |
|---------------------------|--|-------------|--|
| (i) Volume to be emitted: |  |             |  |
| Normal/day                |  | Maximum/day |  |
| Maximum rate/hour         |  |             |  |

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

|                           |                       |
|---------------------------|-----------------------|
| Periods of Emission (avg) | <b>Not Applicable</b> |
|---------------------------|-----------------------|

**TABLE E.3(i): EMISSIONS TO SEWER - Characteristics of the Emission**

*Emission point reference number : \_\_\_\_\_*

| Parameter  | Prior to treatment         |                           |        |         | As discharged              |                           |        |         | % Efficiency |
|--|----------------------------|---------------------------|--------|---------|----------------------------|---------------------------|--------|---------|--------------|
|  | Max. hourly average (mg/l) | Max. daily average (mg/l) | kg/day | kg/year | Max. hourly average (mg/l) | Max. daily average (mg/l) | kg/day | kg/year |              |
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**TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission** (1 table per emission point)

*Emission Point Reference Number:* \_\_\_\_\_

| Parameter   | Prior to treatment <sup>(1)</sup> |     |      |     | Brief description of treatment | As discharged <sup>(1)</sup> |     |       |     |         |     |
|---|-----------------------------------|-----|------|-----|--------------------------------|------------------------------|-----|-------|-----|---------|-----|
|   | mg/Nm <sup>3</sup>                |     | kg/h |     |                                | mg/Nm <sup>3</sup>           |     | kg/h. |     | kg/year |     |
|   | Avg                               | Max | Avg  | Max |                                | Avg                          | Max | Avg   | Max | Avg     | Max |
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1. Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C,101.3kPa). Wet/dry should be the same as given in Table E.1(ii) unless clearly stated otherwise.

**TABLE E.1(iv): EMISSIONS TO ATMOSPHERE - Minor /Fugitive**

| Emission point<br>Reference<br>Numbers | Description | Emission details <sup>1</sup> |                       |       |         | Abatement system<br>employed |
|--|-------------|-------------------------------|-----------------------|-------|---------|------------------------------|
|  |             | material                      | mg/Nm <sup>3(2)</sup> | kg/h. | kg/year |                              |
|  |             | <b>NOT APPLICABLE</b>         |                       |       |         |                              |

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## E.2 EMISSIONS TO SURFACE WATER

Surface water run-off at the Facility shall be collected within two constructed surface drains which run in a north south direction within the eastern portion of the Facility. 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. Drain B shall also divert to the same oil/water interceptor. Once the water has passed through the interceptor it is discharged to a soakaway. A third surface drain has been proposed to facilitate the proposed new hardstanding, Drain C, and will drain into the oil/water separator. These drains are shown on Figure WLA-04.

The rate of any surface water discharge shall largely depend on meteorological conditions (rainfall intensity) and are only expected to occur in extreme weather conditions.

However, in relation to emission there is no direct discharge to surface water from the Facility.

**TABLE E.2(i)A: EMISSIONS TO SURFACE WATERS**

**Emission Point:**

|  |                       |
|--|-----------------------|
| Emission Point Ref. N <sup>o</sup> :   |                       |
| Source of Emission:                    |                       |
| Location :                             | <b>NOT APPLICABLE</b> |
| Grid Ref. (10 digit, 5E,5N):           |                       |
| Name of receiving waters:              |                       |
| Flow rate in receiving waters:         |                       |
| Available waste assimilative capacity: |                       |

\* Office of Public Works monitoring point downstream of Facility, accessed EPA website 4/02/09

**Emission Details:**

|                                    |                       |  |  |
|------------------------------------|-----------------------|--|--|
| (i) Volume to be emitted – Unknown |                       |  |  |
| Normal/day (estimated)             | <b>NOT APPLICABLE</b> |  |  |
| Maximum rate/hour                  |                       |  |  |

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

|                           |                                     |
|---------------------------|-------------------------------------|
| Periods of Emission (avg) | _____min/hr _____hr/day _____day/yr |
|---------------------------|-------------------------------------|

**TABLE E.2(ii): EMISSIONS TO SURFACE WATERS - Characteristics of the emission**

*Emission point reference number* : \_\_\_\_\_

| Parameter             | Prior to treatment         |                           |        |         | As discharged              |                           |        |         | % Efficiency |
|-----------------------|----------------------------|---------------------------|--------|---------|----------------------------|---------------------------|--------|---------|--------------|
|                       | Max. hourly average (mg/l) | Max. daily average (mg/l) | kg/day | kg/year | Max. hourly average (mg/l) | Max. daily average (mg/l) | kg/day | kg/year |              |
| <b>NOT APPLICABLE</b> |                            |                           |        |         |                            |                           |        |         |              |



## **E.4 EMISSIONS TO 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 holes.

### **E.4.a Percolations Areas**

There is no wastewater discharge to on-site treatment and therefore this is not applicable.

### **E.4.b Soakaways**

Surface water run-off at the Facility shall be collected within three constructed surface water drains which drain the hardsurfaced at the Facility. Drain A diverts the surface water collected to an oil/water interceptor installed within the landscaped area adjacent to the Facility entrance. Drain B shall also divert to the same oil/water interceptor. A third drain is proposed (Drain C) and will also be diverted to the interceptor. Once the water has passed through the interceptor it is discharged to a soakaway area. The point of discharge from the oil/water interceptor can be considered an emission and is labelled as SA01.

In accordance with Pl. Ref. no. 07511854, the soakaway has been design to accept surface water from an area up to 8,000 sq metres (BRE, Digest 365). The current hardsurface covers an area of 2,640 m<sup>2</sup> and the proposed additional hardsurface area will be 3,270 m<sup>2</sup>.

### **E.4.c Discharges to Wells**

No other direct discharges to groundwater are anticipated at this time.

**TABLE E.4(i): EMISSIONS TO GROUNDWATER**

**Emission Point or Area:**

|  |  |
|--|--|
| Emission Point/Area Ref. N <sup>o</sup> :  | SA01   |
| Emission Pathway:<br>(borehole, well, percolation area, soakaway, landspreading, etc.) | Soakaway   |
| Location :   | Landscaped area adjacent to the entrance of the Facility                           |
| Grid Ref. (10 digit, 5E,5N):   | 218978 , 161235  |
| Elevation of discharge:<br>(relative to Ordnance Datum)                                | Ca. 115mAOD  |
| Aquifer classification for receiving groundwater body:                                 | Locally important aquifer, productive in local zones only                          |
| Groundwater vulnerability assessment<br>(including vulnerability rating):              | High to low only an interim study has taken place                                  |
| Identity and proximity of groundwater sources at risk (wells, springs, etc):           | Nearest GSI designated source protection area is ca.3km south of the Facility      |
| Identity and proximity of surface water bodies at risk:                                | River Drish is located approximately 10m from the eastern boundary of the Facility |

**Emission Details:**

|  |  |             |  |
|--|--|-------------|--|
| (i) Volume to be emitted: The emission will consist of surface water run-off from IWPA with the volume emitted being weather dependent |  |             |  |
| Normal/day   |  | Maximum/day |  |
| Maximum rate/hour  | Not known, dependant on weather conditions |             |  |

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

|                           |  |
|---------------------------|--|
| Periods of Emission (avg) | Not known, dependant on weather conditions |
|---------------------------|--|

## **E.5 NOISE EMISSIONS**

The dominant intermittent and continuous noise sources experienced at the Facility are mainly associated with vehicle traffic in the facility and on the adjoining road network, forklift operating at the facility and manual handlers performing various tasks.

The main plant associated with the facility are two forklifts, one operating in one of the storage buildings and the other moving around the main yard area and within buildings. Both forklifts are equipped with reversing alarms which are essential to maintain a safe working environment. However, these are adjusted so as avoid elevated tonal noises being generated while being loud enough to warn people in close proximity.

The proposed expansion to the Facility will involve the addition of a shredder and baler to the operations. These will both be operated indoors and there will be no point source envisaged.

Noise sources are identified and supplied in Table E.5(i). Details of the baseline surveys and calculations of combined noise levels and anticipated noise levels are given in Attached I.6.

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**Table E.5(i): NOISE EMISSIONS - Noise source summary sheet**

| Source    | Emission point Ref. No | Equipment Ref. No | Sound Pressure <sup>1</sup> dBA at reference distance @ 10m | Octave bands (Hz)<br>Sound Pressure <sup>1</sup> Levels dB(unweighted) per band |    |     |     |     |    |    |    | Impulsive or tonal qualities | Periods of Emission                 |
|-----------|------------------------|-------------------|---|---|----|-----|-----|-----|----|----|----|------------------------------|-------------------------------------|
|           |                        |                   |   | 31.5  | 63 | 125 | 250 | 500 | 1K | 2K | 4K |                              |                                     |
| Fork Lift | N-FL1                  | FL1               | 53 dBA  |   |    |     |     | x   |    |    |    |                              | Intermediate during Operating Hours |
| Fork Lift | N-FL-2                 | FL2               | 53 dBA  |   |    |     |     | x   |    |    |    |                              | Intermediate during Operating Hours |
| Shredder  | N-SH                   | SH                | 60 dBA  |   |    |     |     | x   |    |    |    |                              | Intermediate during Operating Hours |
| Baler     | N-BA                   | BA                | 60 dBA  |   |    |     |     | x   |    |    |    |                              | Intermediate during Operating Hours |

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## **E.6 ENVIRONMENTAL NUISANCES**

### **E.6.a Bird Control**

It is unlikely that birds will be attracted at the Facility as putrescible waste will be not accepted. However if it becomes an issue measures will be put in place deal with the problem.

### **E.6.b Dust Control**

It is unlikely that dust levels at the Facility will be elevated to nuisance level. However, should elevated dust levels develop, mitigation measures will be implemented accordingly.

### **E.6.c Fire Control**

Measures for fire prevention and control will include the following:

- Emergency response contact numbers will be posted on prominent positions on site (fire service, police, ambulance and other agencies);
- A telephone system is available at the Facility to ensure instant contact with the emergency services;
- Extinguishers are available at the Facility, and
- No burning of waste will be permitted at the Facility.

### **E.6.d Litter Control**

Litter at the Facility mainly takes the form of packaging from new stock arriving at the Facility and any domestic waste generated by Facility personnel. Litter arising from the wastes to be received is not expected to be a problem as wastes recovered are of a high reuse/recyclable nature. Facility management personnel will be responsible for monitoring litter around the Facility. Litter management will include the operation of a litter patrol, which will inspect the Site boundaries and beyond daily and recover all wind-blown litter.

### **E.6.e Traffic Control**

The layout illustrated ensures that vehicles entering the site, could go through an optional reception and weighbridge area and driver to the designated reception area. The entrance will allow movement of traffic into and out of the Site. Traffic signs will be used at the Site entrance and throughout the Facility. In the case of waste oil, the vehicle will travel to the SW corner where they can execute an Right Hand Down (RHD) reversing procedure into the Oil Reception Facility (ORF). RHD reversing is safer and quicker than left hand down when the driver is on the 'blind side' and can easily fail to see a pedestrian or obstacle. Should there be more than one vehicle wishing to access the ORF, queuing can take place alongside the southern perimeter fence. The ORF is designed to accept the maximum legal size of vehicle and still permit operational

space for the loading/unloading of material (i.e. barrels and bales) using a site fork lift truck. In extreme conditions two vehicles could be in the ORF at the same time.

#### **E.6.f Vermin Control**

It is not anticipated that vermin will be a problem at the Facility as waste accepted will be non-putrescible waste. Given the rural nature of the Facility vermin occasionally appear. A licensed pest control contractor is employed for the control of vermin. Baits are provided at key locations and monitored regularly. No issues with vermin have been recorded at the Facility.

#### **E.6.g Road Cleaning**

As the Facility is largely paved with concrete hardstanding road cleansing is not considered to be an issue and so this sub section is not applicable.

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## SECTION F – CONTROL & MONITORING

| Sub-Section | Title  | Location of Information     |
|-------------|--|-----------------------------|
| F.1         | Treatment, Abatement, and Control Systems            | WLA p.27 and Attachment F.1 |
| F.2         | Monitoring and Sampling Points - Air                 | WLA p.27 and Attachment F.2 |
| F.3         | Monitoring and Sampling Points – Surface Water       | WLA p.27 and Attachment F.3 |
| F.4         | Monitoring and Sampling Points – Sewer Discharge     | WLA p.28 and Attachment F.4 |
| F.5         | Monitoring and Sampling Points – Groundwater         | WLA p.28 and Attachment F.5 |
| F.6         | Monitoring and Sampling Points – Noise               | WLA p.28 and Attachment F.6 |
| F.7         | Monitoring and Sampling Points – Meteorological Data | WLA p.28 and Attachment F.7 |
| F.8         | Monitoring and Sampling Points – Leachate            | WLA p.28                    |
| F.9         | Monitoring and Sampling Points – Landfill Gas        | WLA p.29                    |

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## **F.1 EMISSIONS AND ABATEMENT**

The emissions identified in Section E, are in relation to surface water run-off and noise.

The potential effects of this run-off will be abated by collection in water drains and passing through an oil/water separator and then to a soakaway.

Noise abatement will be implemented by closing at doors of facilities when in operations and ensuring that all buildings are appropriately sealed.

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## **F.2 MONITORING AND SAMPLING POINTS – AIR**

It is proposed that dust monitoring be carried out in accordance with the conditions of the Waste Licence.

The dust monitoring shall be carried out in accordance with the Bergerhoff method and shall be carried out during the driest part of the year (May to September) when dust emissions are likely to be highest.

No further air abatement is proposed for the Facility.

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### **F.3 MONITORING AND SAMPLING POINTS – SURFACE WATER**

There are no surface water emissions from the Facility. All of the surface water collected is discharged to ground via an oil/water separator and then to a soakaway area. Therefore no surface water monitoring points are proposed for the Facility.

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#### **F.4 MONITORING AND SAMPLING POINTS – SEWER DISCHARGE**

There will be no discharges to sewer and subsequently no sewer monitoring points are proposed for the Facility.

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## F.5 MONITORING AND SAMPLING POINTS – GROUNDWATER

There are two groundwater wells (GW-01 and GW-02) within the Facility boundaries that are used for supplying water to the Facility and to the domestic residence situated along the eastern boundary of the Facility. Water quality monitoring was carried out from the two boreholes on 20<sup>th</sup> January 2009. These results are discussed in Attachment I.5.

Surface water will be discharged to ground through a soakaway from three drains (one existing and two proposed). It is proposed that this point is monitored, SA-01.

**TABLE F.5.1a: ENVIRONMENT MONITORING AND SAMPLING LOCATIONS**

*Monitoring Point Reference No* : GW-01, GW-02 and SA-01

| Location | Monitoring frequency          | Accessibility of Sampling point       |
|----------|-------------------------------|---------------------------------------|
| GW-01    | As specified by Waste Licence | Monitoring Well                       |
| GW-02    | As specified by Waste Licence | Monitoring Well                       |
| SA-01    | As specified by Waste Licence | Oil/water Separator Observation Point |

## **F.6 MONITORING AND SAMPLING POINTS – NOISE**

Three noise monitoring locations were used in the preparation of this application (N1, N2 and N3). Refer to the attached Figure WLA-06 for locations. Monitoring will be carried out at these locations in accordance with the conditions of the Waste Licence, when issued.

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## **F.7 MONITORING AND SAMPLING POINTS – METEOROLOGICAL DATA**

Monitoring of meteorological conditions will not be carried out at the Facility. Averages of meteorological conditions from Kilkenny and Shannon Airport weather stations can be obtained if required.

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## SECTION G – RESOURCES USE & ENERGY EFFICIENCY

| <b>Sub-Section</b> | <b>Title</b>   | <b>Location of Information</b> |
|--------------------|--|--------------------------------|
| G.1                | Supplementary Information: Raw Materials, Substances, Preparations, and Energy | WLA p.30 and Attachment G.1    |
| G.2                | Energy Efficiency  | WLA p.30 and Attachment G.2    |

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## **G.1 RAW MATERIALS**

### **G.1.a 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 No. bunded tanks (3,000 and 1,300 litres) are used to store the fuel on-Site.

### **G.1.b 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.

### **G.1.c 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. There is no mains water supply to the Facility. Yard cleaning, is a relatively clean process, it is not thought that much washing down of surfaces will be required, generally only for soiled trucks coming onto the Facility being washed down. A volume of 300 litres/day would be sufficient for this purpose.

### **G.1.d 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 (including contaminated soil) and tyres. 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.



## **G.2 ENERGY EFFICIENCY**

### **G.1.a Diesel**

The annual diesel consumption at the Facility is understood to be currently at 60,000 litres per year for on-Site and off-Site vehicles and plant. All plant operating at the Facility will be kept in good working order and serviced regularly to reduce fuel consumption.

### **G.1.b Electricity**

Electricity consumption will be monitored at the Facility to conserve electricity. Lighting will only be used where required with security lighting being adjusted seasonally so as to only switch on during night time hours. All lighting and appliances in the office buildings and canteen will be switched off when not in use to conserve energy. Energy audits will be conducted to evaluate electricity usage and to identify areas where savings can be made.

### **G.1.c Water**

All pipes and faucets supplying water, will be inspected for leakages to avoid water loss.

### **G.1.d Energy Audits**

Energy audits will be conducted at the Facility as part of the Environmental Management System for the Facility. Reference to the appropriate guidance material and reporting of recommendations of the audit will be included in the Annual Environmental Report which will be a requirement under a Waste Licence issued by the Agency.

## SECTION H – MATERIALS AND HANDLING

| <b>Sub-Section</b> | <b>Title</b>                                     | <b>Location of Information</b> |
|--------------------|--|--------------------------------|
| H.1                | Waste Types and Quantities – Existing & Proposed | WLA p.31-33 and Attachment H.1 |
| H.2                | Waste Acceptance Procedures                      | WLA p.33 and Attachment H.2    |
| H.3                | Waste Handling                                   | WLA p.33 and Attachment H.3    |
| H.4                | Waste Arisings                                   | WLA p.34 and Attachment H.4    |

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## H.1 WASTE TYPES AND QUANTITIES – EXISTING & PROPOSED

The types of waste proposed for acceptance are shown in Table H.1(i), below.

Hi-Volt Ireland Limited have been importing Acid-Lead batteries to the facility at Ballyduff, Thurles, Co. Tipperary under Waste Permit WP/TN/53 for the past 3 years. Hi-Volt propose to expand their facility to accept waste oils, garage waste (including soil contaminated with oil) garage waste for storage at the facility and export off-site for recovery.

The following waste is proposed to be accepted at the facility:

- Waste batteries (5,000 tonnes/annum) for storage at the facility and export for recover off-site. These batteries will be placed in appropriate sealed containers on entry to the facility, stored in the 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 m<sup>3</sup> in size), 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 (i.e. oil contaminated);
- 1,000 tonnes of general garage waste including rags, 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 waste tyres.

Incoming material to the Hi-Volt Facility will be limited to the wastes listed in Table H.1(i). Prior to acceptance of waste from a specific source, basic characterisation of the waste will be carried out at the source of the waste. Waste oils will be checked for water content and flashpoint (either at the point of collection or on entry to the Facility). Waste that does not fit the criteria will be refused entry. Contaminated soil (i.e. with oil) will be tested before arrival at the Facility in accordance with the WAC (EC Waste Acceptance Criteria). All other waste streams are identified on entry to the Facility.

**TABLE H.1(i): WASTE - Hazardous Waste Recovery/Disposal**

| Waste material  | EWC Code  | Main source <sup>1</sup> | Quantity       |                        | On-site Recovery/Disposal<br><br>(Method & Location ) | Off-site Recovery, reuse or recycling<br><br>(Method, Location & Undertaker) | Off-site Disposal<br><br>(Method, Location & Undertaker) |
|---|---|--------------------------|----------------|------------------------|---|--|--|
|   |   |                          | Tonnes / month | m <sup>3</sup> / month |   |  |  |
| <b>Batteries</b>  | 16 06 01* / 16 06 02* / 16 06 03* / 16 06 06*   | Various                  | 420            | <i>Not Applicable</i>  | Storage   | Contracts to be put in place.  | Not Applicable.  |
| <b>Oil</b> [Waste oils/hydrocarbons, solvent and other flammable liquids] | 12 01 06* / 12 01 07* / 12 01 08* / 12 01 09* / 12 01 10* / 13 01 01* / 13 01 04* / 13 01 05* / 13 01 09* / 13 01 10* / 13 01 11* / 13 01 12* / 13 01 13* / 13 02 04* / 13 02 05* / 13 02 06* / 13 02 07* / 13 02 08* / 13 03 01* / 13 03 06* / 13 03 07* / 13 03 08* / 13 03 09* / 13 03 10* / 13 04 01* / 13 04 02* / 13 04 03* / 13 05 01* / 13 05 02* / 13 05 03* / 13 05 06* / 13 05 07* / 13 05 08* / 13 07 01* / 13 07 02* / 13 07 03* / 13 08 01* / 13 08 02* / 13 08 99* / 14 06 02* / 14 06 03* / 16 07 08* | Various                  | 165            | <i>Not Applicable</i>  | Storage   | Contracts to be put in place.  | Not Applicable.  |

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| Waste material   | EWC Code  | Main source <sup>1</sup> | Quantity       |                        | On-site Recovery/Disposal<br><br>(Method & Location ) | Off-site Recovery, reuse or recycling<br><br>(Method, Location & Undertaker) | Off-site Disposal<br><br>(Method, Location & Undertaker) |
|--|---|--------------------------|----------------|------------------------|---|--|--|
|  |   |                          | Tonnes / month | m <sup>3</sup> / month |   |  |  |
| <b>Oil Filters and General Garage Wastes and Drummed flammable liquids</b><br>[Used oil filters, oily rags, greases, other garage wastes and other flammable wastes] | 05 01 03* / 05 01 05* / 05 01 17 /<br>15 01 10 / 15 02 02* / 15 02 03 /<br>16 01 07* / 16 07 08* / 16 01 11 /<br>16 01 13 / 16 01 14* / 16 01 15 /<br>16 01 17 / 16 01 18 / 16 01 22 /<br>16 01 99 / 16 05 04 / 16 05 05 /<br>17 04 01 / 17 04 02 / 17 04 03 /<br>17 04 04, 17 04 05 / 17 04 06 /<br>17 04 07 / 17 03 01* / 17 03 02 /<br>17 03 03* / 19 08 09 / 19 0810* /<br>19 13 01* / 19 13 03* / 19 13 05* /<br>19 13 07*/11 01 13* / 11 01 14 / 12 01<br>07* / 12 01 08* / 16 03 05* | Various                  | 125            | Not Applicable         | Sorting and Storage (baling in the case of oily rags) | Contracts to be put in place.  | Not Applicable   |
| <b>Contaminated Soils</b>  | 17 05 03* / 17 05 05* / 17 05 07* / 19<br>13 01 * / 19 13 03* / 19 13 05* / 19 13<br>07*  | Various                  | 40             | Not Applicable         | Sorting and Storage                                   | Contracts to be put in place.  | Not Applicable   |

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<sup>1</sup> A reference should be made to the main activity / process for each waste.

**TABLE H.1(ii): WASTE - Other Waste Recovery/Disposal**

| Waste material     | EWC Code | Main source <sup>1</sup> | Quantity       |                        | On-site Recovery/Disposal<br>(Method & Location ) | Off-site Recovery, reuse or recycling<br>(Method, Location & Undertaker) | Off-site Disposal<br>(Method, Location & Undertaker) |
|--------------------|----------|--------------------------|----------------|------------------------|---|--|--|
|                    |          |                          | Tonnes / month | m <sup>3</sup> / month |   |  |  |
| <b>Waste Tyres</b> | 16 01 03 | Various                  | 1,000          | Not Applicable         | Storage   | Contracts to be put in place.  | Not Applicable                                       |

- 1 A reference should be made to the main activity / process for each waste.
- 2 The method of disposal or recovery should be clearly described and referenced to Attachment H.1.

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## **H.2 WASTE ACCEPTANCE**

### **H.2.a Overview**

Incoming material to the Hi-Volt Facility will be limited to the wastes listed in Table H.1(i). Prior to acceptance of waste from a specific source, basic characterisation of the waste will be carried out at the source of the waste, if required. However the components are easily recognisable and can be identified as waste streams on entry. In the case of waste oil and contaminated soil, prior characterisation will be required before entry onto the facility.

Inspection, documentation and control procedures will be implemented to ensure that only high-quality material will be accepted and processed. As the Facility is proposed to be used as a transfer station, and all material is going off-site for recovery, the requirements under EU Council Decision 2003/33/EC of 19 December 2002, do not apply.

### **H.2.b Waste Acceptance**

Waste will arrive by truck at the Facility Reception. Scheduled and documented trucks will be directed to the weighbridge where the load will be weighed and visually checked. Subject to the waste being suitable, the Facility operator will sign a declaration and will give a copy to the waste transporter. Records will be maintained on all consignments of waste, providing information on:

- The tonnage and European Waste Catalogue (EWC) Code for the waste materials imported and/or sent off-Site for disposal/recovery;
- The names of the agent and carrier of the waste, and their waste collection permit details, if required (to include issuing authority and vehicle registration number); and
- Details of the ultimate disposal/recovery destination facility for any rejected waste and its appropriateness to accept the consigned waste stream, to include its permit/licence details and issuing authority, if required.

## H.3 WASTE HANDLING

### H.3.a Waste Reception

All wastes will arrive via the Site entrance. Upon arrival, all delivery vehicles will be directed to the Facility check-in office 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 Check in Person. The details of the load delivery time, date, tonnage, and carrier's details will be taken and recorded.

An inspection of the haulier's consignment documents will be made by the Check in Person. If paper work is incomplete the Check in Person will not accept the load until further information is provided. When the Check in Person is satisfied with the paper work and the origin of the wastes he/she will inform the driver of relevant Site Safety information and direct the driver to the discharge area.

#### Reception and Registration Procedure:

- Date and time of arrival;
- Waste Collection Permit Number of carrier;
- Nature and type of waste (EWC code);
- Quantity (weight if possible).
- Consignment note is verified; and
- Waste handler is verified (holds valid Waste Collection Permit), in accordance with article 34 of the Waste Management Acts (1996-2003) and the Waste Permit Regulations.

If any of the above is not verified, the vehicle will be refused. Waste material found to be unacceptable after entry at the Facility will be moved to the quarantine area and removal from site arranged.

All components of the wastes on-site will be removed from site on a regular basis by approved, permitted waste carriers and/or recovery companies.

### H.3.b Waste Handling Procedures

#### **Waste Batteries:**

Waste batteries will be placed in the appropriate sealed containers following acceptance on entry to the facility, stored in said containers at the facility and exported off-site in these containers.

#### **Waste Oil:**

Waste oil will be stored in bunded oil tanks (four in total, each 25 m<sup>3</sup> in size), bulked up and exported in ISO container tanks (IMO 0) holding up to 24,000 litres.



Oil deliveries will be sampled by checking water content and flashpoint, and a representative sample withdrawn from the incoming load to be held until the oil in its bulked up form is accepted by the oil reclaimer.

Waste Oil arriving in barrels will be forklifted off the incoming vehicle (80 barrels = maximum truck load), samples taken and stacked in the barrel holding area which has approximately 300 barrel (2 high) capacity, adequate operational access space and is bunded sufficiently to contain any spillage or barrel failure. The bulk oil tanks and drum storage area will be covered with a canopy to shed rainwater. These will be horizontal cylindrical in format and have access manholes at either end for de-sludging (and through ventilation during personnel access). They will be each 25,000 litre capacity, and be equipped with pipework connections for loading and unloading. They will be bunded to 110% volume specification.

Drums fit for emptying will be brought by forklift to the pump out station specifically provided with barrel pumps and other devices for drum emptying. The large drums will be returned to service with the waste oil provider. The pumps and all electrics around the drum and tank areas will be to the appropriate zoning regulations for electrical supplies and lighting. The apron in front of the tanks and drum area will be a designated area on the site laid to falls and draining to an underground tank for the reception of potentially oily water. The area is for tanker drivers to lay down their flexible pipelines when servicing tanks etc. and to provide a walkway in front of the tank/drum areas.

#### **Waste Oil Filters:**

Oil filters will be delivered to site in 45 gal (205 litre) drums or other suitable containers that may be lifted and discharged by a rotary head attachment to the forklift or similar device. They will be discharged into a hopper feeding a conveyor to a shredder mounted over a reception tank for the released oil. The shredded remains will be conveyed to a metal baler and the filters baled for economic transport off site. The drained oil will be pumped to the bulk tanks on a batch basis using IBC 1 tonne (non-spill) crated containers.

#### **Other Garage Wastes:**

Oily rags will be baled and strapped for export and brake/clutch parts put into a suitable container for transportation to the scrap yard.

#### **Waste Tyres:**

Waste tyres will be accepted at the Facility and stored in Area B for removal off-site for recovery.

#### **Contaminated Soil:**

Contaminated soil will be accepted at the facility in sealed containers and will be stored on-site in these containers until removed off site. Contaminated soil (i.e. with oil) will be tested before arrival at the Facility in accordance with the WAC (EC Waste Acceptance Criteria).

### **H.3.c Waste Handling Practice**

The site and the waste reception areas will be manned at all times when waste deliveries take place. Waste reception staff at the weighbridge will inspect waste on a random basis or where there is a suspicion that the waste may not be as described. With new clients all waste is inspected until a reliable pattern of behaviour has been established.

A second phase of waste inspection will take place at the point of deposition or unloading where every load of delivered waste will be inspected upon discharge, by the supervising site operative, and unacceptable loads will be rejected and appropriate action taken before the delivering vehicle leaves site.

Vehicles delivering waste to the site will be from local third parties or the Company's own vehicles. Hi-Volt's own vehicle drivers inspect the waste at the point of collection prior to its arrival at the facility and will deal with any problems of unacceptable waste at source so that the appropriate disposal route is adopted.

If unacceptable waste is persistently found in loads from a particular third party contractor, then representation is made following investigations, to the Haulier concerned, his manager and the Licensing Authority informed.

In some cases the vehicles from third party operators may be unsuitable for the task, in which case the site management will advise the driver and where there is a persistent breach, the driver's management; leading to a vehicle ban in severe cases. Hi-Volt's vehicles are purpose built waste handling vehicles and operated in conformity with accepted codes of practice to a high standard

Third parties delivering wastes and recycled materials to the site will be logged in and also given a copy of the " house rules" on their first visit which will be accompanied and monitored by the operations manager responsible. Failure to comply with house rules may result in access being denied on subsequent occasions.

Unauthorised waste inadvertently received will be quarantined in a designated area and the Licensing Authority informed. The Quarantine area will be suitably enclosed to prevent the escape or distribution of the contents and will be subdivided to ensure no unwanted mixing of wastes.

#### **H.4 WASTE ARISING**

The facility is for storage/recovery only and no waste will be produced by any process undertaken at the Facility.

All waste in the quarantine shall remain there until collection by the contractors carrying out the servicing or by an appropriately licensed contractor for disposal off-Site.

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## SECTION I – EXISTING ENVIRONMENT & IMPACT OF THE ACTIVITY

| Sub-Section | Title   | Location of Information        |
|-------------|---|--------------------------------|
| I.1         | Assessment of Atmospheric Conditions                                      | WLA p.35 and Attachment I.1    |
| I.2         | Assessment of Impacts to Surface Water Discharges on the Receiving Waters | WLA p.35 and Attachment I.2    |
| I.3         | Assessment of Impact on Receiving Water                                   | WLA p.36 and Attachment I.3    |
| I.4         | Assessment of Impact to Groundwater and Soils                             | WLA p.36 and Attachment I.4    |
| I.5         | Ground and/or Groundwater Contamination                                   | WLA p.36 and Attachment I.5    |
| I.6         | Noise Impact  | WLA p.36-37 and Attachment I.6 |
| I.7         | Assessment of Ecological Impacts & Mitigation Measures                    | WLA p.37 and Attachment I.7    |

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## I.1 ASSESSMENT OF ATMOSPHERIC EMISSIONS

There are no point sources for air emissions at the Facility.

As previously indicated in Attachment E the main source of atmospheric emissions arising from the Facility shall be from the use of vehicles and plant. These gases shall be principally oxides of nitrogen, carbon monoxide, sulphur dioxide, volatile organic compounds and particulates that may be emitted to atmosphere from vehicles/plant.

There will be no dust emissions planned from the general operation of the Facility. Periodic dust monitoring using the Bergerhoff method will be carried out annually as required by the Environmental Protection Agency.

The following mitigation measures are proposed to minimise any risk posed by air emissions arising from the Facility:

- Vehicles using the Facility shall maintain a maximum speed limit of 5km/h; and
- All vehicles will be serviced regularly and kept in good working order to reduce levels of combustion gases.

It is considered that if the above mitigation measures are implemented that any emission of pollutants to air (as defined in Waste Management Acts 1996 to 2003 and Air Pollution Acts 1992 and 1987 respectively) from the Facility are not likely to impair the environment.

No other abatement measures are proposed for atmospheric emissions at the Facility.

## **I.2 ASSESSMENT OF IMPACTS OF SURFACE WATER DISCHARGES ON THE RECEIVING WATERS**

There is no surface water within the boundary of the Facility. To the east of the Facility a third class road bounds the site and on the far side by a ditch/drain forming the bank of the River Drish.

Biological water quality data is available (from the EPA) in the form of Q values for the regional surface water catchment neighbouring the Application Site.

The EPA defines the waters of the River Drish ca. 500m north of the Site as having a Q rating of 3 (Range of 1-5), indicating poor status. Approximately 3km south of the Site at Two Mile Borris, the EPA has given a Q value of 3-4 for the River Drish. This indicates that the quality of the water has improved as it moves downstream, likely due to the effects of dilution as the river gains volume.

There are no known sensitive areas or areas of special interest within 1km of the Facility which could be affected by any potential surface water emissions.

It is not proposed to have any direct discharges from the Facility to surface waters.

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### **I.3 ASSESSMENT OF IMPACT ON RECEIVING SEWER**

There will be no discharges to any receiving sewer, therefore this subsection is not applicable.

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## **I.4 ASSESSMENT OF IMPACT TO GROUNDWATER AND SOILS**

### **I.4.a Receiving Environment**

There are two groundwater boreholes located at the Facility, used for the supply of water to the Site. GW-01 is located in the southeastern quadrant. GW-02 is located in the northeastern quadrant of the site and is used to supply water required for the facility processes and also to supply water to the domestic dwelling situated along the eastern boundary of the site. There are no borehole records available for these boreholes.

Both samples taken were inspected were found to run clear and were odourless. The groundwater sample analyses indicated slightly elevated values in GW-01 for ammoniacal nitrogen and manganese. GWS-02 did not record any elevated parameter values. It should be noted that the groundwater limit value for ammoniacal nitrogen, total cyanide and the 16 EPA PAHS, was lower than the laboratory detection limit. Volatile and Semi volatile Organic Compounds (VOCs and SVOCs) analysis was undertaken on samples GW-01 and GW-02. Of the compounds analysed for, all compounds were below the respective laboratory limits of detection.

It is not unusual in Ireland to encounter elevated levels of ammoniacal nitrogen, manganese and orthophosphate within soils and waters. None of these parameters are associated with activities on the Site and are likely related to agricultural activities in the vicinity of the Site. The EPA document "Towards Setting Environmental Quality Objectives for Soil- Developing a Soil Protection Strategy for Ireland, a Discussion Document" (2002) illustrates how major and minor trace elements (including Phosphorus and Manganese) can naturally occur in soils to many times the levels recorded at the Site. Phosphorus values can range from 200-2000mg/kg and Manganese can occur from 20-3000mg/kg within soils.

### **I.4.b Facility Management**

The main impacts arising from such activities include the risks of dispersal into the underlying overburden, discharge into surrounding and surface water features of potentially contaminating substances such as waste oils and battery acid from accidental spills. Such spills may occur during the recovery of batteries and the movement of material around the Facility.

There is a 150mm high impervious curb surrounding the northern, southern and eastern boundaries of the Facility making it in effect a bund. The following mitigation measures will be put in place to avoid impact on the surround environment:

- Strict mitigation measures to protect the surface and groundwater from accidental contaminant spills and/or contamination from surface working are recommended for the Facility;



## **I.5 GROUND AND/OR GROUNDWATER CONTAMINATION**

Please see attachment I.4.

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- All oil waste storage will take place in bunded areas. All bunds will be hydraulically tested every three years for integrity. All handling of wastes/materials will be undertaken in the yard/warehouse areas which are paved with impervious concrete;
- The majority of the yard area and interior of the warehouses are all finished with concrete hardstanding. These surfaces will be regularly inspected and repaired if cracks or holes appear to reduce any risk of discharging contaminants into the underlying soils.
- All machinery to be used on site will be maintained in good working order and condition to avoid accidental spillages;
- Fuel and lubricant storage for site vehicles will be stored in appropriately designed and bunded storage tanks and areas. Filling and draw-off points will be located entirely within the bunded areas and drainage from the bunded areas shall be diverted for collection and safe disposal. There are currently two bunds on-Site for the two large oil storage tanks. The larger bund is currently unused as there have been security issues regarding theft from the larger tank. It is therefore recommended, if this area is not suitable that another more suitable area is obtained for the bunding of the larger tank as the current store where the tank is being held is more secure but not large enough to include the bund;
- All potentially contaminating works shall be carried out on hardstanding areas to minimise the risk to underlying soils, groundwater and surface water;
- An Emergency Response Plan is available for consultation on-Site and spill kits are available for use in case of emergencies;
- Operational waste will be segregated, for off-Site disposal/treatment into domestic, waste oils, non-recyclable waste and other miscellaneous waste;
- The underlying drainage network and oil interceptor will be regularly inspected and cleaned out if required to ensure proper function and collection of surface water run-off from the Facility; and
- The existing overburden thickness over the remainder of the Facility will be retained in order to not reduce any protection afforded to the bedrock aquifer.

Provided that these mitigation measures are implemented, it can be expected that there will be no measurable or significant impacts to soils, surface water and groundwater as a result of the proposed ongoing operation at the Facility.

No Landfilling or Brownfield development is proposed for the Facility, therefore these sub sections are not applicable.

## I.6 NOISE IMPACT

A baseline environmental noise survey was carried out at the Facility during normal day-time operating hours on 20<sup>th</sup> January 2009. The weather on the day of the survey with overcast with slight gusts (<5m/s) and light sleet showers. 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 results from two out of the three stations for broadband monitoring were below the EPA recommended guideline value of 55 dB(A) with one location N3 being slightly over the guideline value. This exceedance can be attributed to traffic using the public road at the main entrance to the facility.

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.

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## **I.7 ASSESMENT OF ECOLOGICAL IMPACTS & MITIGATION MEASURES**

The Site is not designated for nature conservation and there are no records of protected flora and fauna species on the Site (National Parks and Wildlife Services <http://www.npws.ie>). Also there are no designated nature conservation sites within 5km of the Site. Therefore, no ecology abatement measures are proposed for at the Facility.

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## SECTION J – ACCIDENT PREVENTION & EMERGENCY RESPONSE

| Sub-Section | Title                                      | Location of Information     |
|-------------|--|-----------------------------|
| J.1         | Accident Prevention and Emergency Response | WLA p.38 and Attachment J.1 |

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***SITE***

***EMERGENCY***

***RESPONSE***

***PROCEDURES***

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### *Overview*

All company employees engaged in loading, operating or driving company machinery are trained to a high degree of competency and are assessed as to their competence to operate their machines safely. Loading and unloading of their trucks, trailers and vans with the forklift. Vehicles should never be overloaded and cargo should be evenly distributed and secured. Drivers should always check the security of any load before he departs. Battery bins should be loaded correctly, strapped down and the side curtains to be fastened and double checked. When a vehicle is loaded, fast cornering and heavy braking should be avoided as the load may suddenly move forward or sideways. When the vehicle is being loaded the operator or driver should leave the cab of the vehicle before any loading proceeds and should never remain in the cab as serious accidents can occur.

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### *Oil Spillage*

*In the case of an Oil Spillage the Following procedures must be adhered to:*

- Notify the Safety Officer, Transport Manager or Managing Director.
- Alert all other Vehicles and employees immediately. Danger warning signs must erected immediately to prevent further accidents and section the affected area.
- Any leaks and spills should only be tackled and stopped by qualified and equipped personal.
- Contain any dripping or flowing liquid in a bucket or container, spread any absorbent material such as sand, sawdust woodchips etc to contain the standing spill.
- Use a broom to sweep the absorbent material into a container or bucket. Fresh absorbent should then be spread on the affected area to contain and control the residual slipping.
- Document and detail the spillage in the company report book.
- Inform the necessary authorities.

**There is a list of Emergency telephone numbers on to end page of this  
Emergency Response Procedure.**



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**Vehicle Breakdown or Overturn**

**In the case of a breakdown or overturn the following procedures must be adhered to:**

- You must exit the cab of the vehicle as soon as possible and move to a safe distance.
- In the event of a crash or overturn alert persons nearby to the accident and make the area around the vehicle safe and clear if at all possible.
- If in a public place or area have the necessary breakdown warning triangles set to alert oncoming traffic and pedestrians.
- Seek first aid if required “first aid box will be located in the cab”.
- Advise the Safety officer, Transport Manager or Managing Director.
- Call for immediate medical help and inform the Emergency Services.
- Ascertain as much information as possible of the incident and to the lead up to it and note the condition of the surrounding surface.
- Obtain witness statements and have them written down.
- Complete the company accident report book and report for the site and have this checked by the Managing Director before signing.
- Ensure photographs and sketches are taken of the incident area.
- Notify our Insurance Company and seek guidance on any further reports.
- Ensure that the vehicle is removed from the area and the scene is made safe
- Ensure all debris from the load spilled is cleared and then cleaned.

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### *Waste Spillage*

*In the case of Waste Spillage the following procedures must be adhered to:*

- Notify the Safety Officer, Transport Manager or Managing Director.
- Alert all other Vehicles and employees immediately. Danger warning signs must be erected immediately to prevent further accidents and section off the affected area.
- Document and detail the spillage in the company report book.
- Inform the necessary authorities.
- Proceed to the nearest Assembly Point or any safe area.

**There is a list of Emergency telephone numbers on to end page of this Emergency Response Procedure.**

### *Fire*

*In the case of a vehicle the following procedures must be adhered to:*

- Ensure for any equipment or vehicles being used are made safe and move to a safe distance.
- Raise the alarm by alerting people close to you and dial the Emergency Services Immediately on **999** or **112**.
- If safe to do so, contain any small fires with the Fire Extinguisher located in the cab. **“Do Not take any personal risks”**.
- Proceed to the nearest Assembly Point or any other safe area.

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**Any operation that may lead to Environmental Pollution**

**To avoid Environmental Pollution, every operator should adhere to the following guidelines:**

- Be confident of the contents of the waste being transported.
- Permitted waste streams to be transported only.
- In the event of any spillage or overturn, ensure the correct procedures are adhered to and that the appropriate authorities are contacted.
- Avoid taking shortcuts when washing waste off roadways and give special consideration when in areas where streams and water sources may be vulnerable to leaked material.
- If in any doubt contact the Safety Officer, Transport Manager or Managing Director or the relevant local authorities.

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**Emergency Response Equipment:**

- First Aid Kit:*** Stored in every vehicle and main buildings.
- Fire Extinguishers:*** Internally located in every vehicle cab and main buildings.
- Spill Equipment:*** An oil and acid spill kit at the facility
- P.P.E.*** Provided for all employees & must be worn at all times.
- Hi-Visible Vests:*** Worn at all times when working in the yard.
- Warning Triangles:*** There are 2 provide in each vehicle and main buildings.

**Emergency Telephone numbers**

|                                |                            |
|--------------------------------|----------------------------|
| <b><i>Fire Services:</i></b>   | <b><i>112 or 999</i></b>   |
| <b><i>Ambulance:</i></b>       | <b><i>112 or 999</i></b>   |
| <b><i>Gardai:</i></b>          | <b><i>112 or 999</i></b>   |
| <b><i>Thurles Gardai:</i></b>  | <b><i>0504 25100</i></b>   |
| <b><i>Nenagh Hospital:</i></b> | <b><i>067 31491</i></b>    |
| <b><i>ESB:</i></b>             | <b><i>1850 372 999</i></b> |
| <b><i>Bord Gais</i></b>        | <b><i>1850 673 322</i></b> |

**SECTION K – REMEDIATION, DECOMMISSIONING, RESTORATION &  
AFTERCARE**

| <b>Sub-Section</b> | <b>Title</b>          | <b>Location of Information</b> |
|--------------------|-----------------------|--------------------------------|
| K.1                | Cessation of Activity | WLA p.37 and Attachment K.1    |

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## **K.1 CESSATION OF ACTIVITY**

### **K.1.a Decommissioning Plan**

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.

### **K.1.b Materials and Residual Waste**

Any residual materials and wastes present at the Facility will be returned to the supplier, or recovered by a licensed waste contractor. This would include any fuel present in the storage tanks or any other materials required for the day to day running of the equipment.

All excess waste stored at the Facility will be recovered off-Site by a licensed waste contractor.

### **K.1.c Equipment & Processes Materials**

The main equipment used during the process will include forklifts (2), a shredder and a baler. Any equipment owned by the operator will either be sold for operational use or as scrap at an approved waste disposal/recovery facility. Cleaning of the majority of plant and equipment will be carried out at the Facility prior to closure.

Before a tank is taken out of use, it will be fully drained and decommissioned. This work will be undertaken by suitably qualified technicians and hot work will not be carried out until the tank has been degassed and appropriate certificate issued.

### **K.1.d Environmental Monitoring Results & Reports**

Environmental monitoring carried out as per any future waste licence will identify if any investigations or post closure monitoring is required to ensure that the facility poses no risk to the environment. This will be reviewed based on monitoring data obtained during the operational period.

## SECTION L – STATUTORY REQUIREMENTS

| Sub-Section | Title                  | Location of Information     |
|-------------|------------------------|-----------------------------|
| L.1         | Statutory Requirements | WLA p.37 and Attachment L.1 |
| L.2         | Fit and Proper Person  | WLA p.37 and Attachment L.2 |

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## **L.1 STATUTORY REQUIREMENTS**

The following sections describe how the requirements of Section 40(4)[(a) to (i)] of the Waste Management Acts 1996 to 2003 will be met. Within these sections, it is also described how the proposed Facility will comply with the requirements of BAT for the Waste Sector.

### **L.1.a Emissions from the Recovery Activities**

The licensee will ensure that emissions from the continued waste management activities (i.e. at the Facility) will be monitored as required by the conditions of the Waste Licence and will not result in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any other enactment.

### **L.1.b Environmental Pollution**

The activities will be carried on in accordance with the conditions attached to the WLA and will not cause any environmental pollution. The Application does not refer to a Landfill and therefore does not have to comply with Council Directive 1999/31/EC on the landfill of waste.

### **L.1.c BAT and Prevention of Facility Emissions**

Best Available Techniques (BAT) will be used to prevent or eliminate or, where that is not practicable, to limit, abate or reduce an emission from the proposed activities. When determining best available techniques for the Facility and the proposed additional infrastructure, the considerations prescribed in Annex IV of Council Directive 2008/1/EC concerning integrated pollution prevention and control will be taken into account, bearing in mind the likely costs and benefits of a measure and the principles of precaution and prevention.

The policies and objectives for the control of waste management in the area is governed by the Waste Management Plan for the Midlands Region 2005 to 2010 (February 2006) (Regional Waste Plan) and the National Hazardous Waste Management Plan 2008-2012 (NHWMP).

Local Authorities are required under Sections 22(8) and 26(5) of the Waste Management Act to incorporate the recommendations of the NHWMP into the regional plan. "The NHWMP has regard to: the prevention and minimisation of hazardous waste and the recovery of hazardous waste. Local Authorities have responsibilities under each of these key areas".

In Table 22 of the NHWMP (2008-2012), which outlines environment targets and indicators, the following is targeted for the lifetime of the plan "Develop any new hazardous waste facilities on previously used land or brownfield sites". This target indicates that the application to licence the HI-Volt Facility is in keeping with this policy.



#### **L.1.d Fit and Proper Person**

The WMA in Section 40(4)(d) specifies that the Agency shall not grant a licence unless it is satisfied that the applicant (if the applicant is not a local authority) is a fit and proper person. The matter of Fit and Proper Person is addressed in Attachment L.2.

#### **L.1.e Requirements Under Section 53 of Waste Management Acts, 1996 to 2003 – Financial Provisions Regarding Waste Disposal**

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.

#### **L.2.f Energy Use**

Energy will be used efficiently whilst carrying on the activities by ensuring measures, such as regular maintenance of plant and equipment are implemented by the licensee. Energy efficient plant and equipment will be sourced and used, as appropriate.

#### **L.2.g Noise**

The activities will comply with and not result in the contravention of any regulations made under section 106 of the Environmental Protection Agency Act of 1992 and subsequent regulations by providing plant and equipment that has the appropriate noise silencing systems and by regular maintenance and repair (as required) of plant and equipment.

#### **L.2.h Accidents**

The licensee will implement emergency procedures to limit the consequences on the environment. Further details related to accident prevention and emergency response can be found in Attachment J.1 of this licence application. The licensee will furnish personal protective equipment to its employees for use.

#### **L.2.i Facility Closure**

All necessary measures will be taken upon the permanent cessation of the activity concerned to avoid any risk of environmental pollution and return the site of the activity to a satisfactory state as outlines in Attachment K.

## **L.2 FIT AND PROPER PERSON**

The WMA in Section 40(4)(d) specifies that the Agency shall not grant a licence unless it is satisfied that the applicant (if the applicant is not a local authority) is a fit and proper person. Section 40(7) of the Waste Management Acts 1996 to 2008 (the Act) specifies the criteria that is to be regarded in relation to deciding if a person is “fit and proper”.

As Hi-Volt Ireland Limited is the Applicant and the proposed licensee, the determination is shown below. The relevant information in regard to the three criteria specified in the Act are:

- a) Hi-Volt Ireland Limited and none of its directors have been convicted under the Waste Management Acts 1996 to 2008, the EPA Act 1992 and 2003 and the Local Government (Water Pollution Acts) 1977 and 1990 or the Air Pollution Act 1987;
- b) Hi-Volt Ireland Limited have held a Waste Permit WP/TN/53 for the past three years at the facility and hold a number of Waste Collection Permits and are therefore have the required technical knowledge to conduct waste activities at the facility; and
- c) Hi-Volt Ireland Limited has been successfully trading since 1998 at the Ballyduff Facility, Thurles, Co. Tipperary and are financial secure.

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