

SELECT	cells that are highlighted blue contain a drop
<u>guidance document link</u>	cells that contain underlined text click to acc
Table heading *	table headings followed by a symbol have ar
Cells with red indicator in top right corner	cells that have a red indicator in the top righ

Please note an interpretation of results is still required. This should be entered in the
 appropriately to fit your interpretation, if additional space is required please include
 excel template should have all cells sized appropriately so t

dropdown menu click to select one option from the list

access relevant guidance documents for this section

any associated footnote or instructions

bottom corner contain a comment box with further instructions or clarification

Use additional information/comments boxes within the templates. Please size these boxes to be an appendix to the AER template and merge it as part of the AER PDF document. The text must be readable before it is converted to PDF document.

Facility Information Summary	
------------------------------	--

AER Reporting Year	2013
Licence Register Number	W0267-01
Name of site	Hi-Volt Ireland Ltd
Site Location	Ballyduff, Thurles, Co. Tipperary
NACE Code	3812
Class/Classes of Activity	4.13
National Grid Reference (6E, 6 N)	

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year **and an overview of compliance with your licence** listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.

Acceptance and transfer of scap metal and scrap batteries only.

Declaration:

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

Antoinette Russell	31/04/14
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

AIR-summary template Lic No: W0267-01 Year 2013

Answer all questions and complete all tables where relevant

1 Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables

No	Additional information
----	------------------------

Periodic/Non-Continuous Monitoring

2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below

SELECT	
--------	--

3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? [Basic air monitorin](#) [AGN2](#)

SELECT	
--------	--

Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments -reason for change in % mass load from previous year if applicable
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

Note 1: Volumetric flow shall be included as a reportable parameter

<p>4 Does your site carry out continuous air emissions monitoring? If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)</p>	SELECT	
<p>5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below</p>	SELECT	
<p>6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?</p>	SELECT	
<p>7 Did your site experience any abatement system bypasses? If yes please detail them in table A3 below</p>	SELECT	

Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
	SELECT			SELECT	SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					

note 1: Volumetric flow shall be included as a reportable parameter.

Table A3: Abatement system bypass reporting table [Bypass protocol](#)

Date*	Duration** (hours)	Location	Reason for bypass	Impact magnitude	Corrective action

* this should include all dates that an abatement system bypass occurred

** an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

Solvent use and management on site

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5

SELECT

Table A4: Solvent Management Plan Summary Total VOC Emission limit value	Solvent regulations Please refer to linked solvent regulations to complete table 5 and 6
---	--

Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as % of solvent input	Total Emission Limit Value (ELV) in licence or any revision thereof	Compliance
					SELECT
					SELECT

Table A5: Solvent Mass Balance summary

(I) Inputs (kg)		(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
Total								

1 Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you **only** need to complete table W1 and or W2 for storm water analysis and visual inspections

No	Additional information
Yes	

2 Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising **only any evidence of contamination noted during visual inspections**

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	License Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SA01	onsite	SELECT	COD	19/02/2013		All values < ELV	15	mg/L	yes	
SA01	onsite	SELECT	pH	19/02/2013		All values < ELV	7.8	pH units	yes	
SA01	onsite	SELECT	Mineral oils	19/02/2013		All values < ELV	<10	µg/L	yes	
SA01	onsite	SELECT	Suspended Solids	19/02/2013		All values < ELV	<5	mg/L	SELECT	
SA01	onsite	SELECT	COD	25/06/2013		All values < ELV	No sample available	mg/L	SELECT	SA01 dry
SA01	onsite	SELECT	pH	25/06/2013		All values < ELV	No sample available	pH units	SELECT	SA01 dry
SA01	onsite	SELECT	Mineral oils	25/06/2013		All values < ELV	No sample available	µg/L	SELECT	SA01 dry
SA01	onsite	SELECT	Suspended Solids	25/06/2013		All values < ELV	No sample available	mg/L	SELECT	SA01 dry
SA01	onsite	SELECT	COD	23/09/2013		All values < ELV	No sample available	mg/L	yes	SA01 dry
SA01	onsite	SELECT	pH	23/09/2013		All values < ELV	No sample available	pH units	yes	SA01 dry
SA01	onsite	SELECT	Mineral oils	23/09/2013		All values < ELV	No sample available	µg/L	yes	SA01 dry
SA01	onsite	SELECT	Suspended Solids	23/09/2013		All values < ELV	No sample available	mg/L	yes	SA01 dry
SA01	onsite	SELECT	COD	29/10/2013		All values < ELV	13	mg/L	yes	
SA01	onsite	SELECT	pH	29/10/2013		All values < ELV	8	pH units	yes	
SA01	onsite	SELECT	Mineral oils	29/10/2013		All values < ELV	<10	µg/L	yes	
SA01	onsite	SELECT	Suspended Solids	29/10/2013		All values < ELV	13	mg/L	yes	

*trigger values may be agreed by the Agency outside of licence conditions

Table W2 Visual inspections-Please only enter details where contamination was observed.

Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
			SELECT		
			SELECT		

Licensed Emissions to water and /or wastewater(sewer)-periodic monitoring (non-continuous)

3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below

SELECT	Additional information
SELECT	

4 Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box

[External /Internal LaAssessment of re](#) SELECT

Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof ^{Note 2}	License Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT			

Note 1: Volumetric flow shall be included as a reportable parameter

Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards

Continuous monitoring

5 Does your site carry out continuous emissions to water/sewer monitoring?

If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

6 Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

Table W4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>		<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>					
	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>		<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>					

note 1: Volumetric flow shall be included as a reportable parameter.

Table W5: Abatement system bypass reporting table

Date	Duration (hours)	Location	Resultant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?
						<input type="text" value="SELECT"/>	

*Measures taken or proposed to reduce or limit bypass frequency

Bund testing

dropdown menu click to see options

Additional information

Are you required by your licence to undertake integrity testing on bunds and containment structures? If yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to **all bunds which failed the integrity test** - **all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)

Yes	be carried out once infrastructure works are complete
3 years	
Yes	
See above	
No	0
	0
	0
	0
N/A	
N/A	
N/A	

- 1 Please provide integrity testing frequency period
- 2 Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
- 3 How many bunds are on site?
- 4 How many of these bunds have been tested within the required test schedule?
- 5 How many mobile bunds are on site?
- 6 Are the mobile bunds included in the bund test schedule?
- 7 How many of these mobile bunds have been tested within the required test schedule?
- 8 How many sumps on site are included in the integrity test schedule?
- 9 How many of these sumps are integrity tested within the test schedule?
- 10 **Please list any sump integrity failures in table B1**
- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
- 13 Is the Fire Water Retention Pond included in your integrity test programme?

Table B1: Summary details of bund /containment structure integrity test

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest (if in current reporting year)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

* Capacity required should comply with 25% or 110% containment rule as detailed in your licence
 Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? [bundling and storage guidelines](#)

Commentary

SELECT	
SELECT	
SELECT	

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc? If yes please fill out table 2 below listing all 1 underground structures and pipelines on site **which failed the integrity test and all which have not been tested within the integrity test period as specified**

SELECT	
SELECT	

Table B2: Summary details of pipeline/underground structures integrity test

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest (if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

Please use commentary for additional details not answered by tables/ questions above

Groundwater/Soil monitoring template			Lic No:	W0267-01	Year	2013			
19/02/2013	GW1	Boron		Biannually	40	ug/l	750		data not available
19/02/2013	GW1	Cadmium		Biannually	<0.08	ug/l	3.75		data not available
19/02/2013	GW1	Chromium		Biannually	<1.0	ug/l	37.5		data not available
19/02/2013	GW1	Copper		Biannually	100	ug/l	1500		data not available
19/02/2013	GW1	Iron (total)		Biannually	180	ug/l	N/A		data not available
19/02/2013	GW1	Mercury		Biannually	<0.5	ug/l	0.75		data not available
19/02/2013	GW1	Manganese		Biannually	29	ug/l	N/A		data not available
19/02/2013	GW1	Lead		Biannually	1.7	ug/l	18.75		data not available
19/02/2013	GW1	Zinc		Biannually	13	ug/l	N/A		data not available
19/02/2013	GW1	List I/II Organic compounds		Biannually	<LOD	ug/l	N/A		data not available
19/02/2013	GW1	BTEX		Biannually	<LOD	ug/l	N/A		data not available
19/02/2013	GW1	Mineral Oil		Biannually	<LOD	ug/l	N/A		data not available
23/09/2013	GW1	pH		Biannually	8	SELECT	N/A		data not available
23/09/2013	GW1	Conductivity		Biannually	450	SELECT	800-1875		data not available
23/09/2013	GW1	Chloride		Biannually	18	mg/l	24-187.5		data not available
23/09/2013	GW1	Total Ammonia		Biannually	0.03	mg/l	N/A		data not available
23/09/2013	GW1	Total Nitrogen		Biannually	2.1	mg/l	N/A		data not available
23/09/2013	GW1	Calcium		Biannually	50	mg/l	N/A		data not available
23/09/2013	GW1	Potassium		Biannually	1.1	mg/l	N/A		data not available
23/09/2013	GW1	Magnesium		Biannually	25	mg/l	N/A		data not available
23/09/2013	GW1	Sodium		Biannually	8.7	mg/l	150		data not available
23/09/2013	GW1	Boron		Biannually	940	ug/l	750		data not available
23/09/2013	GW1	Cadmium		Biannually	<0.08	ug/l	3.75		data not available
23/09/2013	GW1	Chromium		Biannually	7.6	ug/l	37.5		data not available
23/09/2013	GW1	Copper		Biannually	87	ug/l	1500		data not available
23/09/2013	GW1	Iron (total)		Biannually	79	ug/l	N/A		data not available

Groundwater/Soil monitoring template				Lic No:	W0267-01	Year	2013			
23/09/2013	GW1	Mercury		Biannually		<0.05	ug/l	0.75		data not available
23/09/2013	GW1	Manganese		Biannually		18	ug/l	N/A		data not available
23/09/2013	GW1	Nickel		Biannually		1.2	ug/l	15		data not available
23/09/2013	GW1	Lead		Biannually		20	ug/l	18.75		data not available
23/09/2013	GW1	Zinc		Biannually		11	ug/l	N/A		data not available
23/09/2013	GW1	List I/II Organic compounds		Biannually		<LOD	ug/l	N/A		data not available
23/09/2013	GW1	BTEX		Biannually		<LOD	ug/l	N/A		data not available
23/09/2013	GW1	Mineral Oil		Biannually		<LOD	ug/l	N/A		data not available

.+ where average indicates arithmetic mean

++. maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
19/02/2013	GW2	pH		Biannually		7.4	SELECT	N/A		data not available
19/02/2013	GW2	Conductivity		Biannually		930	SELECT	800-1875		data not available
19/02/2013	GW2	Chloride		Biannually		16	mg/l	24-187.5		data not available
19/02/2013	GW2	Total Ammonia		Biannually		<.01	mg/l	N/A		data not available
19/02/2013	GW2	Total Nitrogen		Biannually		11.3	mg/l	N/A		data not available
19/02/2013	GW2	Calcium		Biannually		120	mg/l	N/A		data not available
19/02/2013	GW2	Potassium		Biannually		<.5	mg/l	N/A		data not available
19/02/2013	GW2	Magnesium		Biannually		24	mg/l	N/A		data not available
19/02/2013	GW2	Sodium		Biannually		<.5	mg/l	150		data not available
19/02/2013	GW2	Boron		Biannually		52	ug/l	750		data not available
19/02/2013	GW2	Cadmium		Biannually		<.08	ug/l	3.75		data not available
19/02/2013	GW2	Chromium		Biannually		<1	ug/l	37.5		data not available
19/02/2013	GW2	Copper		Biannually		3.1	ug/l	1500		data not available

Groundwater/Soil monitoring template			Lic No:	W0267-01	Year	2013			
19/02/2013	GW2	Iron (total)		Biannually	320	ug/l	N/A		data not available
19/02/2013	GW2	Mercury		Biannually	<0.5	ug/l	0.75		data not available
19/02/2013	GW2	Manganese		Biannually	1.3	ug/l	N/A		data not available
19/02/2013	GW2	Lead		Biannually	<1.0	ug/l	18.75		data not available
19/02/2013	GW2	Zinc		Biannually	1.5	ug/l	N/A		data not available
19/02/2013	GW2	List I/II Organic compounds		Biannually	<LOD	ug/l	N/A		data not available
19/02/2013	GW2	BTEX		Biannually	<LOD	ug/l	N/A		data not available
19/02/2013	GW2	Mineral Oil		Biannually	<LOD	ug/l	N/A		data not available
23/09/2013	GW2	pH		Biannually	7.6	SELECT	N/A		data not available
23/09/2013	GW2	Conductivity		Biannually	740	SELECT	800-1875		data not available
23/09/2013	GW2	Chloride		Biannually	20	mg/l	24-187.5		data not available
23/09/2013	GW2	Total Ammonia		Biannually	0.05	mg/l	N/A		data not available
23/09/2013	GW2	Total Nitrogen		Biannually	2.4	mg/l	N/A		data not available
23/09/2013	GW2	Calcium		Biannually	120	mg/l	N/A		data not available
23/09/2013	GW2	Potassium		Biannually	< 5	mg/l	N/A		data not available
23/09/2013	GW2	Magnesium		Biannually	19	mg/l	N/A		data not available
23/09/2013	GW2	Sodium		Biannually	6.8	mg/l	150		data not available
23/09/2013	GW2	Boron		Biannually	1200	ug/l	750		data not available
23/09/2013	GW2	Cadmium		Biannually	<0.08	ug/l	3.75		data not available
23/09/2013	GW2	Chromium		Biannually	7.6	ug/l	37.5		data not available
23/09/2013	GW2	Copper		Biannually	87	ug/l	1500		data not available
23/09/2013	GW2	Iron (total)		Biannually	79	ug/l	N/A		data not available
23/09/2013	GW2	Mercury		Biannually	<0.5	ug/l	0.75		data not available
23/09/2013	GW2	Manganese		Biannually	18	ug/l	N/A		data not available
23/09/2013	GW2	Nickel		Biannually	1.2	ug/l	15		data not available
23/09/2013	GW2	Lead		Biannually	1	ug/l	18.75		data not available

Groundwater/Soil monitoring template Lic No: W0267-01 Year 2013

23/09/2013	GW2	Zinc		Biannually		34	ug/l	N/A		data not available
23/09/2013	GW2	List I/II Organic compounds		Biannually		<LOD	ug/l	N/A		data not available
23/09/2013	GW2	BTEX		Biannually		<LOD	ug/l	N/A		data not available
23/09/2013	GW2	Mineral Oil		Biannually		<LOD	ug/l	N/A		data not available

*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA. [Groundwater monitoring template](#)

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance [Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites \(EPA 2013\)](#) (see the link in G31)

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS) [Surface water/Drinking water \(private/public\) Interim Guideline Value](#)

Groundwater/Soil monitoring template

Lic No:

W0267-01

Year

2013

Table 3: Soil results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit
							SELECT
							SELECT

Where additional detail is required please enter it here in 200 words or less

Environmental Liabilities template

Lic No:

W0267-01

Year

2013

[Click here to access EPA guidance on Environmental Liabilities and Financial provisic](#)

		Commentary	
1	ELRA initial agreement status	Submitted and not agreed by EPA;	
2	ELRA review status	Review required and not completed;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€124,000	
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
5	Financial Provision for ELRA - amount of cover	€6,500,000	
6	Financial Provision for ELRA - type	Environmental Impairment Liability insurance	
7	Financial provision for ELRA expiry date	31/12/2014	
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	€200,000	
12	Financial Provision for Closure - type	Other please specify	Deferred income
13	Financial provision for Closure expiry date	N/A	

Environmental Management Programme/Continuous Improvement Programme template	Lic No:	W0267-01	Year	2013
---	---------	----------	------	------

Highlighted cells contain dropdown menu click to view

Additional Information

1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	EMS maintained as per waste licence conditions.
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	No	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	Enhance environmental tra	50	Training and new procedures	Section Head	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Minimise waste retention	30	Increased turnaround time	Section Head	Improved Environmental Management Practices
Waste reduction/Raw material usage efficiency	Minimise waste production	30	Better work practices	Section Head	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Minimise water use	30	Better work practices	Section Head	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Minimise waste handling	30	Better work practices	Section Head	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Enhance waste segregation	30	Waste oil collection	Section Head	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Minimise energy use	30	Better work practices	Section Head	Improved Environmental Management Practices

Noise monitoring summary report Lic No: W0267-01 Year: 2013

- 1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below
- 2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? [Noise Guidance](#)
- 3 Does your site have a noise reduction plan
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
29/10/2013	11:39-12:09	N1		46.2	37.7	47.2		No	SELECT	Sorting and loading of sc	Yes
29/10/2013	13:18-13:48	N1		38.8	33.5	41.6		No	SELECT	Forklift operating	Yes
29/10/2013	14:57-15:27	N1		46.2	36.8	48.6		No	SELECT		Yes
29/10/2013	23:02-23:32	N1		33.8	27	34.7		No	SELECT	No audible noise from si	Yes
29/10/2013	23:32-00:02	N1		42.9	29.5	32.6		No	SELECT	No audible noise from si	Yes
29/10/2013	13:04-13:34	N2		43.4	35.4	45.7		No	SELECT	Vehicles arriving on site	Yes
29/10/2013	14:37-15:07	N2		48.9	36.9	49.1		No	SELECT		Yes
29/10/2013	13:50-14:20	N2		47.8	36.5	48.6		No	SELECT		Yes
29/10/2013	23:34-00:04	N2		31.6	27.2	32.9		No	SELECT	No audible noise from si	Yes
30/10/2013	00:04-00:34	N2		29.4	29.8	32.3		No	SELECT	No audible noise from si	Yes
29/10/2013	13:35-14:05	N3		48.2	41.6	51.7		No	SELECT	Forklift operating on site	Yes
29/10/2013	14:05-14:35	N3		53.1	46.1	56.3		No	SELECT		Yes
29/10/2013	14:45-15:15	N3		52.4	45.3	55.1		No	SELECT		Yes
29/10/2013	23:00-23:30	N3		36.1	35	37.5		No	SELECT	No audible noise from si	Yes
30/10/2013	00:05-00:35	N3		35.6	34.4	36		No	SELECT	No audible noise from si	Yes

*Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options?

** please explain the reason for not taking action/resolution of noise issues?
Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No:

W0267-01

Year

2013

1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below

Is the site a member of any accredited programmes for reducing energy usage/water conservation such

2 as the SEAI programme linked to the right? If yes please list them in additional information [SEAI - Large Industry](#)

3 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

Additional information

Enter date of audit	Completed once all infrastructure is in place.
No	
No	

Table R1 Energy usage on site				
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	11516	11602		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)				
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

* where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Table R2 Water usage on site				Water Emissions		Water Consumption	
Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater	232	218			218		
Surface water							
Public supply							
Recycled water							
Total							

* where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Table R3 Waste Stream Summary					
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

Resource Usage/Energy efficiency summary	Lic No: W0267-01	Year	2013
---	------------------	------	------

Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

Table R5: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry) please complete the following information

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology					
Primary Fuel					
Thermal Efficiency					
Unit Date of Commission					
Total Starts for year					
Total Running Time					
Total Electricity Generated (GWH)					
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used on Site					

WASTE SUMMARY Lic No: W0267-01 Year 2013

Table 4 Environmental monitoring-landfill only [Landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments

..+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9 Is leachate from your site treated in a Waste Water Treatment Plant?

SELECT
SELECT

10 Is leachate released to surface water? If yes please complete leachate mass load information below

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	



Environmental Protection Agency

| PRTR# : W0267 | Facility Name : Hi-Volt Ireland Limited | Filename : w0267_2013.xls | Return Year : 2013 |

16/08/2014 16:34

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2013
-----------------------	------

1. FACILITY IDENTIFICATION

Parent Company Name	Hi-Volt Ireland Limited
Facility Name	Hi-Volt Ireland Limited
PRTR Identification Number	W0267
Licence Number	W0267-01

Waste or IPPC Classes of Activity

No.	class_name
4.13	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.

Address 1	Ballyduff (townland Shanballyduff and Piercetown)
Address 2	Thurles
Address 3	
Address 4	
	Tipperary
Country	Ireland
Coordinates of Location	-7.72012 52.70159
River Basin District	IESE
NACE Code	3812
Main Economic Activity	Collection of hazardous waste
AER Returns Contact Name	Antoinette Russell
AER Returns Contact Email Address	antoinette@batteryrecycling.ie
AER Returns Contact Position	Environmental Officer
AER Returns Contact Telephone Number	0504 34946
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	0504 34555
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	10
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	No
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	
--	--

This question is only applicable if you are an IPPC or Quarry site

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

(PRT)ra - W0267 | Facility Name: 16-Vot Ireland Limited | Filename: w0267_2013.xls | Return Year: 2013 |

16/08/2014 16:54

Please enter all quantities on this sheet in Tonnes

3

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Use Waste - Name and Licence/Permit No of Next Destination Facility	Use Waste - Address of Next Destination Facility	Name and Licence / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						Name and Licence/Permit No of Recover/Disposer	Non-Use Waste - Address of Recover/Disposer					
To Other Countries	16 01 22	No	6.25	components not otherwise specified	R13	M	Weighed	Abroad	SIMS Group,DP3695ML	Windermere rd.,Hartlepool,TS251 NX,United Kingdom		
Within the Country	16 01 22	No	2.62	components not otherwise specified	R13	M	Weighed	Offsite in Ireland	Davis Recycling,WFP-DS-11-0014-03	Greenouge Business park,,Rathcoole,,Ireland		
To Other Countries	17 04 03	No	2.36	lead	R13	M	Weighed	Abroad	SIMS Group,DP3695ML	Windermere rd.,Hartlepool,TS251 NX,United Kingdom		
To Other Countries	17 04 01	No	1.02	copper, bronze, brass	R13	M	Weighed	Abroad	Davis Recycling,WFP-DS-11-0014-03	Greenouge Business park,,Rathcoole,,Ireland		
To Other Countries	16 06 01	Yes	831.51	lead batteries	R4	M	Weighed	Abroad	Boliden Bergsoe AB,556041-8823	Gasverksgatan,Box 132,Landskorona,SE 261 22,Sweden	Boliden Bergsoe,556041-8823,Gasverksgatan,Box 123,Landskorona,SE 261 22,Sweden	Gasverksgatan,Box 123,Landskorona,SE 261 22,Sweden
To Other Countries	16 06 01	Yes	893.04	lead batteries	R4	M	Weighed	Abroad	Enviro Wales,EP 3230 BW	Rassau Industrial estate,,Ebbw vale,NP523 Nad,United Kingdom	Enviro Wales,EP 3230 BW,Rassau Industrial Estate,,Ebbw Vale,NP23 SSD,United Kingdom	Rassau Industrial Estate,,Ebbw Vale,NP23 SSD,United Kingdom
Within the Country	16 06 01	Yes	0.44	lead batteries	R4	M	Weighed	Offsite in Ireland	KMK,W0113-04	Cappincur Industrial Estate,,Tullamore,,Ireland	402,Rathcoole,,Ireland	Grants drive,Block 402,Rathcoole,,Ireland
To Other Countries	17 04 01	No	1.07	copper, bronze, brass spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or	R13	M	Weighed	Abroad	SIMS Group,DP3695ML	Windermere rd.,Hartlepool,TS251 NX,United Kingdom		
To Other Countries	16 08 01	No	18.35	platinum (except 16 08 07)	R13	M	Weighed	Abroad	ARC Metal,305	...Hofors,SE 813 21,Sweden		
To Other Countries	17 04 01	No	30.74	copper, bronze, brass	R13	M	Weighed	Abroad	FJ Church,EAWML 80771	8RH,United Kingdom		
Within the Country	17 04 02	No	55.74	aluminium	R13	M	Weighed	Offsite in Ireland	O'Reilly Recycling,WCP-DC-09-118201	Blanchardstown,,Dublin,,Ireland		
To Other Countries	17 04 02	No	8.59	aluminium	R13	M	Weighed	Abroad	FJ Church,EAWML 80771	8RH,United Kingdom		
Within the Country	17 04 02	No	10.36	aluminium	R13	M	Weighed	Offsite in Ireland	United Metal Recycling,WFP-LK-2013-147AR3	Eastway Business Park,,Limerick,,Ireland		
To Other Countries	17 04 02	No	2.15	aluminium	R13	M	Weighed	Abroad	SIMS Group,DP3695ML	Windermere rd.,Hartlepool,TS251 NX,United Kingdom		
Within the Country	17 04 02	No	28.83	aluminium	R13	M	Weighed	Offsite in Ireland	Hammond Lane metal,WCP-DC-0013-01	Pigeon Hse Rd,,Dublin,,Ireland		
To Other Countries	17 04 03	No	32.83	lead	R13	M	Weighed	Abroad	FJ Church,EAWML 80771	8RH,United Kingdom		
To Other Countries	17 04 05	No	1.74	iron and steel	R13	M	Weighed	Abroad	FJ Church,EAWML 80771	8RH,United Kingdom		
Within the Country	17 04 05	No	4.01	iron and steel	R13	M	Weighed	Offsite in Ireland	Davis Recycling,WFP-DS-11-0014-03	Greenouge Business park,,Rathcoole,,Ireland		
Within the Country	17 04 05	No	558.28	iron and steel	R13	M	Weighed	Offsite in Ireland	MSM Recycling,WFP-TN-11-0003-02	...Birr,,Ireland		
Within the Country	17 04 05	No	19.05	iron and steel	R13	M	Weighed	Offsite in Ireland	O'Reilly Recycling,WCP-DC-09-118201	Blanchardstown,,Dublin,,Ireland		
Within the Country	17 04 05	No	468.83	iron and steel cables other than those mentioned in 17 04	R13	M	Weighed	Offsite in Ireland	Hammond Lane metal,WCP-DC-0013-01	Pigeon Hse Rd,,Dublin,,Ireland		
To Other Countries	17 04 11	No	73.72	10 cables other than those mentioned in 17 04	R13	M	Weighed	Abroad	FJ Church,EAWML 80771	8RH,United Kingdom		
Within the Country	17 04 11	No	6.32	10 cables other than those mentioned in 17 04	R13	M	Weighed	Offsite in Ireland	Davis Recycling,WFP-DS-11-0014-03	Greenouge Business park,,Rathcoole,,Ireland		
To Other Countries	17 04 11	No	8.97	10 cables other than those mentioned in 17 04	R13	M	Weighed	Abroad	SIMS Group,DP3695ML	Windermere rd.,Hartlepool,TS251 NX,United Kingdom		
Within the Country	13 02 08	Yes	260.45	other engine, gear and lubricating oils	R13	M	Weighed	Offsite in Ireland	Rita Environmental Id,W0192-03	Grants drive,Block 402,Rathcoole,,Ireland	Rita Environmental,W0192-03,Grants drive,Block 402,Rathcoole,,Ireland	Grants drive,Block 402,Rathcoole,,Ireland
Within the Country	17 04 03	No	2.32	lead	R9	M	Weighed	Offsite in Ireland	Davis Recycling,WFP-DS-11-0014-03	Greenouge Business park,,Rathcoole,,Ireland		
To Other Countries	13 02 08	Yes	26.0	other engine, gear and lubricating oils	R9	M	Weighed	Abroad	Puralube GmBh,WA8 400 010	Dr-Von-Linde Strasse 6,Troglitz,6729,Germany	Puralube GmBh,WA8 400 010,Dr-Von-Linde Strasse 6,Troglitz,6729,Germany	Dr-Von-Linde Strasse 6,Troglitz,6729,Germany

* Select a row by double-clicking the Description of Waste then click the delete button

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)

[Link to Waste Guidance](#)

Cell: A3

Comment: Select the Transfer Destination from the dropdown list

Cell: B3

Comment: Select the EWC (European Waste Code) by double-clicking on the cell below then double-click to select the Group, SubGroup and Code on the reference sheet

Cell: C3

Comment: This will automatically be filled in when the EWC has been selected

Cell: D3

Comment: Enter a Quantity for the waste code in Tonnes/Year

Cell: E3

Comment: The default description of the EWC can be changed by editing the cell contents below

Cell: F3

Comment: Select a Waste Treatment Operation by double-clicking on the cell below then double-click a Recover/Disposer code on the reference sheet

Cell: I3

Comment: Select a Location of Treatment from the dropdown list

Cell: J3

Comment: Enter name, license and address details by double-clicking on the cells in this column

Cell: L3

Comment: Enter name and address details by double-clicking on the cells in this column

Cell: G4

Comment: Select Method Used from the dropdown list. Valid entries are (M)asured, (C)alculated or (E)stimated

Cell: H4

Comment: Select the method used from the dropdown list below