Facility Information Summary

Licence Register Number	W0267-01
Name of site	HiVolt recycling Ltd
Site Location	Ballyduff, Thurles, Co. Tipperary
NACE Code	3812
Class of Activity	4.13
RBME risk category	
National Grid Reference (6E, 6 N)	

A brief description of the activities/process at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance improvements which were measured during the reporting year;

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.

Signature	Date
Group/Facility manager (or nominated, suitably qualified and experienced deputy)	

AER summary template-AIR emissions

			Additional information
1	Does your site have licensed air emissions? If yes please complete table 1, 2 and 3 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 5 and 6) you only need to complete table 1 fugitive emissions on site below	No	

Table 1 Fugitive emissions

Parameter /Substance	Annual fugitive emission (kg/annum)	Quantificaton method M/C/E
SELECT		SELECT

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 Table 2 below		SELECT	
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist?	Basic air monitoring checklist AGN2	SELECT	

Table 2: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

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

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

Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	SELECT	
	If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)		
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below	SELECT	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT	
7	Did your site experience any abatement system bypasses? If yes please detail them in table 4 below	SELECT	

Table 3: Summary of average emissions -continuous monitoring

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

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

Table 4: Abatement system bypass reporting table

Bypass protocol

Date*	Duration** (hours)	Location	Reason for bypass	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

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out table 5

SELECT	

Table 5: 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 therof	Compliance
					SELECT
					SELECT

Table 6: Solvent Mass Balance summary

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)

			Additional information
1	Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table 3 and 4 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you only need to complete table 1 and /table 2 below for ambient monitoring and visual inspections	No	
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 2 below summarising only any evidence of contamination noted during visual inspections	SELECT	

Table 1 Ambient monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SA01	downstream	SELECT	COD	14/12/2011		All values < ELV	9.9	mg/L	yes	
SA01	downstream		Suspended Solids	14/12/2011		All values < ELV	<2	mg/L	yes	
SA01	downstream		Mineral oils	14/12/2011		All values < ELV	9.2	mg/L	yes	
SA01	downstream		pH	14/12/2011		All values < ELV	7.8	pH units	yes	

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

Table 2 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)

			Additional information
3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table 3 below	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 Lab Quality checklist; Assessment of results checklist)	SELECT	

Table 3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Date of Monitoring	Averaging period	ELV or trigger values in licence or any revision therof[Note 2]	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	% change in mass load from previous year +/-	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

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

If yes please summarise your continuous monitoring data below in Table 4 and compare it to its relevant Emission Limit Value (ELV)

6	Did continuous monitoring equipment experience downtime? **If yes please record downtime in table 4 below**	SELECT	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	SELECT	
8	Did abatement system bypass occur during the reporting year? **If yes please complete table 5 below**	SELECT	

Table 4: 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)	% compliance current reporting year	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

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

Table 5: 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?
						SELECT	

*Measures taken or proposed to reduce or limit bypass frequency

Bund/pipe testing report summary ALL IPPC/WASTE licensed facilities | **Intensive agriculture facilities please use alternative template**

Bund testing — dropdown menu click to see options

			Additional information
1	Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table 1 below listing all bunds and containment structures on site	Yes	d out once the infrastructure required by the licence is completed.
2	Please provide integrity testing frequency period	3 years	
3	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)	No	

Table 1: Summary details of bund 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

			Commentary
4	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?	bunding and storage guidelines	SELECT
5	Are channels/transfer systems to remote containment systems tested?		SELECT
6	Are channels/transfer systems compliant in both integrity and available volume?		SELECT
7	Do all sumps and chambers have high level liquid alarms?		SELECT
8	If yes to Q7 are these failsafe systems included in a maintenance and testing programme?		SELECT

Pipeline/underground structure testing

1	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 underground structures and pipelines on site	SELECT	
2	Please provide integrity testing frequency period	SELECT	

Table 2: Summary details of underground structures/pipeline 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

		Yes	No	N/A						
	a)invest in capital improveme	b) operational improvements	c)nothing	1	2	3	4	5	7	8
reinforced concrete	general purpose concrete	prefabricated	other (please specify)							
Pass	Fail									
Storm	Foul	Process								
steel	ceramic	concrete	pvc	polypropylene	other(please specify)	Mix (please specify)				
Double walled piping	Pipe in channel	Other (please specify)								
CCTV	Hydraulic	Air	Combination							
Replaced section	Relined	Repaired crack	Removed obstruction	Other (please describe)						
3 years	Other (please specify)									
Hydraulic test	Structural assessment	Other (please specify)								

Tank and Pipeline assessment reporting-Intensive Agriculture sector only

			Additional information if required
1	Is it a requirement of your licence to carry out a tank and pipeline assessment for effluent storage on site?	SELECT	
2	is it a requirement of your licence to submit a programme for agreement to the Agency prior to carrying out a tank and pipeline assessment?	SELECT	
3	If yes has a programme been submitted to the Agency for agreement on the testing and inspection of under and over-ground effluent storage tanks and pipelines? Please enter date of submission in additional information	SELECT	
4	What method has been proposed for the testing of under and over ground effluent storage tanks and pipelines?	SELECT	
5	Has the testing and inspection of under and over ground effluent storage tanks and pipelines been completed during the current reporting year? If no please enter date last tank and pipeline assessment was completed in additional information.	SELECT	
6	If Visual inspection was the method used were any cracks or defects detected? If yes please detail in additional information	SELECT	
7	If yes to Q6 have the cracks or defects been repaired successfully? If no please explain in additional information	SELECT	
8	If hydrogeological or geophysics investigation methods were used was there any evidence of contamination detected? If yes please detail in additional information	SELECT	
9	If yes to Q8 please detail proposed or completed remediation work in additional information		
10	Are there any leak detection systems on site? Please see Department of Agricultures S126 and EPA guidance on Storage and Bunding of materials for required systems S126.pdf bunding and storage guidelines	SELECT	
11	From the visual inspections carried out has any discharge been visible in the leak detection inspection chamber? If yes please enter details in table 1	SELECT	
12	Was it a requirement of your licence to analyse samples for the current reporting year. If yes please enter details of any samples taken in table 2 below	SELECT	
13	When is the next tank and pipeline assessment due?		
14	Does the licensee consider they are compliant with licence conditions?	SELECT	
15	Include details of any other findings of report		

Table 1: Visual inspection of leak detection chamber

Date	Evidence of discharge	Samples taken (reference in table 2)

Table 2: Samples collected from leak detection chamber

Date	Sample frequency	Sample id	Colour/Odour	Parameter	ELV (If applicable)	Measured value
	SELECT					
	SELECT					

Table 3 Storage capacity for Organic Fertiliser

Total organic fertiliser storage capacity (m3)	Quantity of organic fertiliser generated by the animals housed on site in previous reporting year	Total quantity of organic fertiliser moved off site and recorded in the organic fertiliser register and "record 3" as submitted to DAFM* in previous reporting year	Quantity of organic fertiliser on site at the start of reporting year	Quantity of organic fertiliser at close of current reporting year	Have records of movement of organic fertiliser (record 3) for the previous calendar year been submitted to DAFM?
					SELECT

*DAFM -Department of Agriculture Food and Marine

Complaints

Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below		Additional information
	Yes	

Table 1 Complaints summary

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
02/09/2011	Noise		Excessive noise levels forn	Unloading of alloy wheels	Complete	02/10/2011	Complainant was unwlling to give their name and did not report to the agency.
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		

Total complaints open at start of reporting year	0
Total new complaints received during reporting year	1
Total complaints closed during reporting year	1
Balance of complaints end of reporting year	0

Incidents

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below		Additional information
	No	

*For information on how to report and what constitutes an incident	What is an incident

Table 2 Incidents summary

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Liklihood of reoccurence
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Total number of incidents current year	
Total number of incidents previous year	
% reduction/ increase	

Groundwater /Contaminated land summary report

			Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	
2	Are you required to carry out soil monitoring as part of your licence requirements?	no	
3	Do you extract groundwater for use on site? If yes please specify use in comment section	yes	
4	Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	no	
5	Is the contamination related to operations at the facility (either current and/or historic)	SELECT	
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	SELECT	
7	Please specify the proposed time frame for the remediation strategy	SELECT	
8	Is there a licence condition to carry out/update ELRA for the site?	yes	
9	Has any type of risk assesment been carried out for the site?	SELECT	
10	Has a Conceptual Site Model been developed for the site?	SELECT	
11	Have potential receptors been identified on and off site?	SELECT	
12	Is there evidence that contamination is migrating offsite?	SELECT	

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
							SELECT				SELECT
							SELECT				SELECT

.+ 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**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
							SELECT				SELECT
							SELECT				SELECT

* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

**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 EQS | Groundwater regulations GTV's | Drinking water (private supply) standards | Drinking water (public supply) standards | Interim Guideline Values (IGV)

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 Liability Risk Assessment

			Commentary
1	Is it a requirement of your licence to complete an ELRA?	Yes	
2	Has an initial ELRA been submitted to and approved by the Agency?	No	ELRA will be completed once the infrastructrure required by the licence is completed.
3	Please enter the date of submission of the initial ELRA		
4	Date of most recent substantial ELRA update		
5	What financial instrument/s do you have in place to cover unknown liabilities?	SELECT	
6	Has this financial instrument/s been verified by the Agency?	SELECT	
7	What is the date of expiry of this financial instrument?		
8	Date of next required review of the ELRA?		

9 Please list the top 10 risks assessed on your site in table 1 below

Table 1 ELRA summary information

Click here to access EPA guidance on ELRA	Operational Risk Assessment Category	SELECT							
				Mitigation measures to reduce risk			ELRA		
Risk ID	Potential hazards	Environmental effect	Previous risk score	Action	Date of implementation of mitigation measures	Comment	Revised Risk score for current reporting year	ELRA costing	Does the current financial provision (FP) cover the risk score?
e.g Chemical storage	Bund failure resulting in spillage of hazardous chemicals on site	Surface water /soil/groundwater contamination	6	Infrastructural improvements	31/05/2009	Relined all bunds >10years old on site	3	€10,000	Yes
SELECT			SELECT	SELECT			SELECT		SELECT
SELECT			SELECT	SELECT			SELECT		SELECT
SELECT			SELECT	SELECT			SELECT		SELECT
SELECT			SELECT	SELECT			SELECT		SELECT
SELECT			SELECT	SELECT			SELECT		SELECT
SELECT			SELECT	SELECT			SELECT		SELECT
SELECT			SELECT	SELECT			SELECT		SELECT
SELECT			SELECT	SELECT			SELECT		SELECT
SELECT			SELECT	SELECT			SELECT		SELECT
SELECT			SELECT	SELECT			SELECT		SELECT
SELECT			SELECT	SELECT			SELECT		SELECT
Total			SELECT	SELECT			SELECT		SELECT

Closure Restoration Aftercare Management Plan/ Restoration plan (CRAMP/RP)

1	Was a closure or restoration plan a requirement of the licence?	SELECT	
2	Has a closure plan submission been approved by the Agency?	SELECT	
3	What is the timescale for submission?		
4	What financial instrument do you have in place to cover known liabilities?	SELECT	
5	What is the date of expiry of this financial instrument?		
6	What is the status of implementation of the plan?		

Table 2 CRAMP summary information (NON Landfill)

Date of submission of plan	Risk category	Closure plan in place	Clean closure	Restoration Aftercare Management Plan	Change in Risk category since previous year	Increase in risk category	Does the current financial provision cover the risk score?	Value of current financial provision for site
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	

Environmental Management Programme (EMP)/Continuous Improvement Programme

	Highlighted cells contain dropdown menu click to view		Additional Information
1	Do you maintain an Environmental Mangement System 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	new		Section Head	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Minimise waste retention	new		Section Head	Improved Environmental Management Practices
Waste reduction/Raw material usage efficiency	Minimise waste productior	new		Section Head	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Minimise water use	new		Section Head	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Minimise waste handling	new		Section Head	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Enhance waste segregation	new		Section Head	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Minimise energy use	new		Section Head	Improved Environmental Management Practices

Noise Monitoring Report Summary

1	Was noise monitoring a licence requirement for the AER period? If yes please fill in table 1 noise summary below	Yes
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? Draft Noise Guidance	Yes
3	Does your site have a noise reduction plan	No
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?	No

Table 1: 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)?
14/12/2011	30	N1		53	45	54	74	No	SELECT	Onsite: Forklift operatio	Yes
14/12/2011	30	N2		62	45	66	85			Onsite: General site ope	No
14/12/2011	30	N3		58	42	48	71			Onsite: Loading/unloadi	No
14/12/2011	30	N4		43	37	47	61			Onsite: Drilling; Offsite:	Yes
14/12/2011	30	N5	Yes	63	41	49	88			Onsite: Drilling; Offsite:	No

*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?	nothing**

Noise levels on the site are not sufficient to cause nusiance at sensitive receptors.
Any additional comments? (less than 200 words)

Resource usage/ Energy Efficiency

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below		Energy audit to be carried out in Q1 2012
2	Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information	SEAI - Large Industry Energy Network (LIEN)	no
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information		SELECT

Table 1 Energy usage on site

Energy Use	Previous year kWh	Current year kWh	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total				
Electricity		12312		
Fossil Fuels:				
Heavy Fuel Oil		0		
Light Fuel Oil		10000 L		
Natural gas		0		
Coal/Solid fuel		0		
Renewable energy generated on site		0		

* 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 2 Water usage on site

Water use	Previous year m3/yr.	Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Groundwater		250		
Surface water		0		
Public supply		0		
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 3: 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					

SECTION A-PRTR WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES	PRTR facility logon	dropdown list click to see options

SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

			Additional Information
1	Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is to be captured through PRTR reporting) If yes please enter details in table 1 below	Yes	
2	Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	No	
3	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	No	

Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)

	Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code European Waste Catalogue EWC codes	Source of waste accepted	Description of waste accepted **Please enter an accurate and detailed description - which applies to** European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/Increase over previous year +/ - %	Reason for reduction/increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
E.g.	*1200*	*17 04 05*	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	*Iron and steel scrap*	*1992.67*	*0*	#DIV/0!		*0%*	*SELECT*		*Brought onto site from sister IPPC plant*
E.g.	*1200*	*17 04 11*	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	*Ferrous metal cables*	*144.95*	*0*	#DIV/0!		*0%*	*SELECT*		
	1200	*17 04 02*	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	*Aluminium*	*247.14*	*0*	#DIV/0!			*SELECT*		
	1200	*17 04 01*	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	*Copper, brass, bronze*	*149.31*	*0*						
	1200	*17 04 03*	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	*Lead*	*97.37*	*0*						
	1200	*17 04 04*	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	*Zinc*	*0.1*	*0*						
	5040	*16 06 01**	*16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST*	*Lead acid batteries*	*3509.1*							
	1200	*16 01 22*	*16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST*	*End of life vehicle motors*	*213.16*							
	1200	*16 08 01*	*16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST*	*Catalytic convertors*	*20.47*							
			SELECT				#DIV/0!			*SELECT*		

SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES

4 Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite	No	Oil interceptor/sily trap, hardstanding areas
	SELECT	
5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site	No	Oil interceptor/sily trap, hardstanding areas
6 Does your facility have relevant nuisance controls in place?	Yes	
7 Do you have an odour management system in place for your facility? If no why?	No	Waste types accepted do not create odours.
8 Do you maintain a sludge register on site?	No	

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

	Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
e.g.	Household (residual)	30,000	22,000		
e.g.	Industrial non hazardous solids	500	60	120,000	

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Cell 8													

Table 4 Environmental monitoring-landfill only

Landfill Manual-Monitoring Standards

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

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	

Cell: E43
Comment: Ann Marie Ryan:
Total quantity of waste permitted to be placed
at the landfill facility (over authorised life of landfill) - (minus) total quantity of waste placed in the landfill to date

Cell: I55
Comment: Ann Marie Ryan:
5) The operator of the facility concerned shall prepare a statement in writing in respect of the determination he or she makes under subsection (3) in each year of the amounts of charges and that statement shall specify the method he or she has employed in making that determination and the assumptions and any relevant accounting principles he or she has used for the purpose of that method.

Environmental Protection Agency

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.13

REFERENCE YEAR	2011

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	County Tipperary
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 45510
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	1
Number of Operating Hours in Year	0
Number of Employees	0
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 ?	

4.1 RELEASES TO AIR

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD				QUANTITY		
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD				QUANTITY		
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD				QUANTITY		
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: Hi-Volt Ireland Limited

Please enter summary data on the quantities of methane flared and / or utilised	T (Total) kg/Year	M/C/E	Method Used: Method Code	Method Used: Designation or Description	Facility Total Capacity m3 per hour	
Total estimated methane generation (as per site model)	0.0				N/A	
Methane flared	0.0				0.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A	

4.2 RELEASES TO WATERS

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facil

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.4 RELEASES TO LAND

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
			Method Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
			Method Used				
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / 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)
						M/C/E	Method Used					
To Other Countries	16 06 01	Yes	453.62	lead batteries	R4	M	Weighed	Abroad	Boliden Bergsoe AB,556041-8823	Gasverkgatan,Box 132,Landskrona,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**	2700.0	lead batteries	R4	M	Weighed	Abroad	Enviro Wales,EP 3230 BW	Rassau Industrial estate,.,Ebbw vale,NP523 Nsd,United Kingdom	Enviro Wales,EP 3230 BW,Rassau Industrial Estate,.,Ebbw Vale,NP23 5SD,United Kingdom	Rassau Industrial Estate,.,Ebbw Vale,NP23 5SD,United Kingdom
Within the Country	16 06 01	Yes	139.84	lead batteries	R4	M	Weighed	Offsite in Ireland	Rilta Environmental ltd,W0192-03	Grants drive,Block 402,Rathcoole,.,Ireland	Rilta Environmental,W0192-03,Grants drive,Block 402,Rathcoole,.,Ireland	Grants drive,Block 402,Rathcoole,.,Ireland
To Other Countries	17 04 01	No	100.6	copper, bronze, brass	R13	M	Weighed	Abroad	FJ Church,EAWML 80771	Manor Way,.,Essex,RM 13 8RH,United Kingdom		
To Other Countries	17 04 03	No	97.12	lead	R13	M	Weighed	Abroad	FJ Church,EAWML 80771	Manor Way,.,Essex,RM 13 8RH,United Kingdom		
Within the Country	17 04 02	No	0.5	aluminium	R13	M	Weighed	Offsite in Ireland	Greenstar Ltd,W0079-01	Cookstown Industrial Estate,.,Dublin,24,Ireland		
To Other Countries	17 04 02	No	207.26	aluminium	R13	M	Weighed	Abroad	FJ Church,EAWML 80771	Manor Way,.,Essex,RM 13 8RH,United Kingdom		
To Other Countries	16 01 22	No	188.62	components not otherwise specified	R13	M	Weighed	Abroad	FJ Church,EAWML 80771	Manor Way,.,Essex,RM 13 8RH,United Kingdom		
To Other Countries	16 08 01	No	14.0	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)	R13	M	Weighed	Abroad	FJ Church,EAWML 80771	Manor Way,.,Essex,RM 13 8RH,United Kingdom		
To Other Countries	16 08 01	No	5.53	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)	R13	M	Weighed	Abroad	Blancomet recycling,none	Grove road,.,Stoke on Trent,ST 4 4LG,United Kingdom		
To Other Countries	17 04 05	No	2.95	iron and steel	R13	M	Weighed	Abroad	FJ Church,EAWML 80771	Manor Way,.,Essex,RM 13 8RH,United Kingdom		
Within the Country	17 04 05	No	88.24	iron and steel	R13	M	Weighed	Offsite in Ireland	Multimetals ,WW-09-0014-01	Bollarney,.,Murrough,none,Ireland		
To Other Countries	17 04 05	No	12.92	iron and steel	R13	M	Weighed	Abroad	Beatties Recyling,WML-22/10	Quarter road,.,Newry,BT-35-7EY,United Kingdom		
To Other Countries	17 04 05	No	13.37	iron and steel	R13	M	Weighed	Abroad	ELG Haniels Metals ltd,2.1/049445/JT2	Wadsley Bridge,.,Sheffield,S6 1LL,United Kingdom		
Within the Country	17 04 05	No	126.88	iron and steel	R13	M	Weighed	Offsite in Ireland	Laois Tyre recyling,WFP-LS-10-0002-01	Bayview business park,.,Mountmellick,none,Ireland		
Within the Country	17 04 11	No	100.5	cables other than those mentioned in 17 04 10	R13	M	Weighed	Offsite in Ireland	Erin recyclers,WP-SO-05-51	Deep water Quay,.,Sligo,None,Ireland		

* 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