Facility Information Summary	
AER Reporting Year	2012
Licence Register Number	P0217-01
Name of site	Killarney Waste Disposal Ltd. t/a KWD Recycling
Site Location	Aughacureen, Killarney, Co.Kerry
NACE Code	
Class/Classes of Activity	Principal Activity Class 4.2 *Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)*. Other Classes (3.11,3.12,3.13,4.3,4.4,4.11,4.12,4.13,)
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.	Waste received includes Household and Commercial Black Bin (Mixed Municipal) Green Bin (Dry Recyclables-paper plastic, cardboard, aluminium, steel cans etc.) Brown Bin -(Organic Material) . In addition skips are received from both household and commercial premises which include C&D, Scrap Metal,Rubble, Cans, Timber, Cardboard, Plastics, Dry Recyclables. A combination of manual labour and mechanical equipment is used to separate the dry recyclables into different fractions. Each fraction is then baled and is then ready to be sold on to different recycling facilities. Process 1: Dry Recyclable Infeed-Dry Recyclables are pushed on to the infeed conveyor and this is the start of the separation process. The first material to be removed is large cardboard and this placed to the side for bailing at a later stage. Process 2: Ballistic Separator-The dry recyclables then enter a Ballistic Separator which shakes the material using paddles set at an incline causing the 3D objects such as plastic bottles and cans to roll down to one end and the flat objects to “Walk” up to the other end. Process 3: Sorting Room-The material then enters the sorting cabin on two separate lines – The flat line (news papers etc) and the 3D line (plastic bottles, cans etc). On the flat line any clean clear film is removed and any contamination is hand picked placed into a separate bay. Process 4: Optical Sorting (Plastic Film)-At the end of the flat line is a Titech Optical sorting system that detects any small plastic film remaining in the paper stream. It then sends a signal to an air jet at the end of the line, which blows the plastic into a separate bunker. The product running off the end of the line is then baled paper ready for shipping. Process 5: Optical Sorting (Plastic Bottles)-On the 3D line the material passes through a Titech Optical sorting system that detects plastic bottles. Again the bottles are detected by the Titech scanner and as they come to the end of the conveyor an air jet blows the bottles into one bunker while the remaining material carries on down the line. Process 6: Metal Removal-The material then passes under an overband magnet and the large magnet pulls out any metal components such as steel can. Process 7: Aluminium Removal-After the magnet the material passes through an Eddie current which repels the aluminium cans into a bunker and the material that carries on is baled as paper. Air: The Total Particulates level was slightly over the ELV at the D3 back gate on the date on the day of monitoring for the 1st quarter of 2012 (it is noted that dry whether was experienced in march of 2012 giving rise to increased dust on all roads country wide) Wastewater: A small number of trigger values were breached, on investigation these measurements were found to be miniscule breaches in monitored values over the full course of the year. It was deemed unnecessary that any action be taken in regard of these low breachs to the trigger values.

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.

Brian Bruton	20/02/2013	
Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date	

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Answer all questions and complete all tables where relevant

			Additional information
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	Yes	

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		Yes	1st quarter at location D3 Back Gate was 20mg/m2/day over the emmissions limit value
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	Yes	

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 therof	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
D1 (Back Road)	Total Particulates	Quarterly (Q1)	350	Daily average < ELV	238	mg/m2/day	yes	VDI 2119	N/A	
D2 (Office)	Total Particulates	Quarterly (Q1)	350	Daily average < ELV	275	mg/m2/day	yes	VDI 2120	N/A	
D3 (Back Gate)	Total Particulates	Quarterly (Q1)	350	Daily average < ELV	370	mg/m2/day	no (if no please enter details in comments box)	VDI 2121	N/A	Dry weather was experienced at the time of monitoring. 20mg/m2/day over the emmissions limit value.
D1 (Back Road)	Total Particulates	Quarterly (Q2)	350	Daily average < ELV	157	mg/m2/day	yes	VDI 2122	N/A	
D2 (Office)	Total Particulates	Quarterly (Q2)	350	Daily average < ELV	86	mg/m2/day	yes	VDI 2123	N/A	
D3 (Back Gate)	Total Particulates	Quarterly (Q2)	350	Daily average < ELV	137	mg/m2/day	yes	VDI 2124	N/A	
D1 (Back Road)	Total Particulates	Quarterly (Q3)	350	Daily average < ELV	115	mg/m2/day	yes	VDI 2125	N/A	
D2 (Office)	Total Particulates	Quarterly (Q3)	350	Daily average < ELV	80	mg/m2/day	yes	VDI 2126	N/A	
D3 (Back Gate)	Total Particulates	Quarterly (Q3)	350	Daily average < ELV	50	mg/m2/day	yes	VDI 2127	N/A	
D1 (Back Road)	Total Particulates	Quarterly (Q4)	350	Daily average < ELV	-	mg/m2/day	SELECT	SELECT	N/A	No monitoring was carried out in the 4th Quarter of 2012
D2 (Office)	Total Particulates	Quarterly (Q4)	350	Daily average < ELV	-	mg/m2/day	SELECT	SELECT	N/A	No monitoring was carried out in the 4th Quarter of 2012
D3 (Back Gate)	Total Particulates	Quarterly (Q4)	350	Daily average < ELV	-	mg/m2/day	SELECT	SELECT	N/A	No monitoring was carried out in the 4th Quarter of 2012

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

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Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	No	N/A
	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	N/A	N/A
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	No	N/A
7	Did your site experience any abatement system bypasses? If yes please detail them in table 4 below	No	N/A

Table A2: 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)	Number of ELV exceedences in current reporting year	Comments
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
N/A	N/A	N/A	N/A	N/A	N/A	N/A				

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
N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A		

* 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

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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	Total VOC emissions as %of solvent	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance
N/A	N/A	N/A	N/A	N/A	SELECT
					SELECT

Table A5: 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 process (kg)	Solvents destroyed onsite through physical reaction	Total emission of Solvent to air (kg)
N/A	N/A	N/A	N/A	N/A	N/A			
N/A	N/A	N/A	N/A	N/A	N/A			
							Total	

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			Additional information
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 surface water analysis and visual inspections	No	There is no process effluent generated and therefore no emissions to water.
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	Yes	All visual inspections for SW1, R1,R2, Site B and Site D for the 2012 reporting period indicate the water was good, clear, and colourless, also there are no licensed limit for the water paremeters.

Table W1 Surface water 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 Mean Value	Unit of measurement	Compliant with licence	Comments
SW1	onsite	SELECT	pH	-	7.43	No pH value shall deviate from the specified range.	7.0	pH units	yes	Average/Min/Max Values provided for Surface Water Monitoring Results For 2012 Reporting Period
SW1	onsite	-	Conductivity	-	1000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	279	µS/cm @20oC	yes	Average/Min/Max Values provided for Surface Water Monitoring Results For 2012 Reporting Period
SW1	onsite	-	Suspended Solids	-	50	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	15.9	mg/L	yes	Average/Min/Max Values provided for Surface Water Monitoring Results For 2012 Reporting Period
SW1	onsite	-	Ammonia (as N)	-	0.4	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0.2	mg/L		Average/Min/Max Values provided for Surface Water Monitoring Results For 2012 Reporting Period
SW1 *Chloride-not available on the drop down menu*	onsite	Chlorides (as Cl)	-	-	48.34	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	24.4	mg/L	yes	Average/Min/Max Values provided for Surface Water Monitoring Results For 2012 Reporting Period
SW1	onsite	-	Sulphate	-	250	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	20.4	mg/L	yes	Average/Min/Max Values provided for Surface Water Monitoring Results For 2012 Reporting Period
SW1	onsite	-	Total heavy metals	-			<16.1251	mg/L		
R1	onsite Roof	-	pH	-	7.15	No pH value shall deviate from the specified range.	7.3	pH units		pH values just slightly above the set trigger value
R1	onsite Roof	-	Conductivity	-	239.03	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	15.4	µS/cm @20oC	yes	
R1	onsite Roof	-	Suspended Solids	-	17.65	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<2	mg/L	yes	
R1	onsite Roof	-	Ammonia (as N)	-	0.4	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0.2	mg/L	yes	
R1	onsite Roof	Chlorides (as Cl)	-	-	22.22	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<0.5	mg/L	yes	
R1	onsite Roof	-	Sulphate	-	22.73	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	1.96	mg/L	yes	
R1	onsite Roof	-	Total heavy metals	-	-		<5.4181	mg/L		
R2	onsite Roof	-	pH	-	7.64	No pH value shall deviate from the specified range.	7.3	pH units	yes	
R2	onsite Roof	-	Conductivity	-	615.01	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	14.8	µS/cm @20oC	yes	
R2	onsite Roof	-	Suspended Solids	-	2	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<2	mg/L	yes	
R2	onsite Roof	-	Ammonia (as N)	-	0.4	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0.22	mg/L	yes	

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R2	onsite Roof	Chlorides (as Cl)	-	-	41.05	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<0.5	mg/L	yes	
R2	onsite Roof	-	Sulphate	-	157.42	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	1.91	mg/L	yes	
R2	onsite Roof	-	Total heavy metals	-	-		<4.8791	mg/L		
Site B	upstream	-	pH	-	7.45	No pH value shall deviate from the specified range.	7.1	pH units	yes	
Site B	upstream	-	Conductivity	-	293.88	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	193.5	µS/cm @20oC	yes	
Site B	upstream	-	Ammonia (as N)	-	0.4	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0.045	mg/L		Ammonia is above the trigger value , this location is upstream of the site and is unrelated to activies at KWD
Site D	downstream	-	pH	-	7.26	No pH value shall deviate from the specified range.	7.45	pH units		pH values were slightly above the ELV
Site D	downstream	-	Conductivity	-	646.9	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	229.5	µS/cm @20oC	yes	
Site D	downstream	-	Ammonia (as N)	-	0.4	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0.14	mg/L	yes	
Sump:Process Effluent	onsite		BOD	-	-	-	517	mg/L	-	-
Sump:Process Effluent	onsite		COD	-	-	-	1405	mg/L	-	-
Sump:Process Effluent	onsite		Ammonia (as N)	-	-	-	101	mg/L	-	-
Sump:Process Effluent	onsite	Total nitrogen		-	-	-	110	mg/L	-	-
Sump:Process Effluent	onsite		Sulphate	-	-	-	161	mg/L	-	-
Sump:Process Effluent	onsite	Chlorides (as Cl)		-	-	-	747	mg/L	-	-
Sump:Process Effluent	onsite		Antimony, Total, µg/L	-	-	-	5.1	µg/L	-	-
Sump:Process Effluent	onsite		Arsenic, Total, µg/L	-	-	-	15.3	µg/L	-	-
Sump:Process Effluent	onsite		Barium, Total, mg/L	-	-	-	0.131	mg/L	-	-
Sump:Process Effluent	onsite		Boron, Total, mg/L	-	-	-	2.06	mg/L	-	-
Sump:Process Effluent	onsite		Cadmium, Total, µg/L	-	-	-	<1.0	µg/L	-	-
Sump:Process Effluent	onsite		Chromium, Total, mg/L	-	-	-	0.041	mg/L	-	-
Sump:Process Effluent	onsite		Cobalt, Total, mg/L	-	-	-	0.011	mg/L	-	-
Sump:Process Effluent	onsite		Copper, Total, mg/L	-	-	-	0.08	mg/L	-	-
Sump:Process Effluent	onsite		Iron, Total, mg/L	-	-	-	16.46	mg/L	-	-
Sump:Process Effluent	onsite		Lead, Total, mg/L	-	-	-	0.035	mg/L	-	-
Sump:Process Effluent	onsite		Manganese, Total, mg/L	-	-	-	1.39	mg/L	-	-
Sump:Process Effluent	onsite		Mercury, Total, µg/L	-	-	-	<0.5	µg/L	-	-
Sump:Process Effluent	onsite		Molybdenum, Total, µg/L	-	-	-	10.6	µg/L	-	-
Sump:Process Effluent	onsite		Nickel, Total, mg/L	-	-	-	0.063	mg/L	-	-
Sump:Process Effluent	onsite		Selenium, Total, µg/L	-	-	-	40.3	µg/L	-	-
Sump:Process Effluent	onsite		Tellurium, Total, µg/L	-	-	-	<5.0	µg/L	-	-
Sump:Process Effluent	onsite		Thallium, Total, µg/L	-	-	-	<1.0	µg/L	-	-
Sump:Process Effluent	onsite		Zinc, Total, mg/L	-	-	-	0.88	mg/L	-	-
Sump:Process Effluent	onsite		Tin, Total, mg/L	-	-	-	0.006	mg/L	-	-
Sump:Process Effluent	onsite		Vanadium, Total, µg/L	-	-	-	25.2	µg/L	-	-
Sump:Process Effluent	onsite		1,1,1,2-Tetrachloroethane, µ	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,1,1-Trichloroethane, µg/l	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,1,2,2-Tetrachloroethane, µ	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,1,2-Trichloroethane, µg/l	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,1-Dichloroethane, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,1-Dichloroethylene, µg/l	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,1-Dichloropropene, µg/l	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,2,3-Trichlorobenzene, µg	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,2,3-Trichloropropane, µg	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,2,4-Trichlorobenzene, µg	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,2,4-Trimethylbenzene, µg	-	-	-	1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,2-Dibromo-3-chloropropane	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,2-Dibromoethane, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,2-Dichlorobenzene, µg/l	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,2-Dichloroethane, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,2-Dichloropropane, µg/l	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,3,5-Trimethylbenzene, µg	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,3-Dichlorobenzene, µg/l	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,3-Dichloropropane, µg/l	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite		1,4-Dichlorobenzene, µg/l	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds

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Sump:Process Effluent	onsite	2,2-Dichloropropane, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	2-Chlorotoluene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	4-Chlorotoluene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Benzene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Bromobenzene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Bromochloromethane, µg/	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Bromodichloromethane, µg	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Bromoform, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Bromomethane, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Carbon tetrachloride, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Chlorobenzene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Chloroethane, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Chloroform, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Chloromethane, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Cis-1,2-Dichloroethylene, µ	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Cis-1,3-Dichloropropene, µg	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Dibromochloromethane, µg	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Dibromomethane, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Dichlorodifluoromethane, µ	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Dichloromethane, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	EthylBenzene, µg/L	-	-	-	3.9	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Hexachlorobutadiene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Isopropyl benzene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Naphthalene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	n-butylbenzene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	n-Propylbenzene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Ortho-Xylene, µg/L	-	-	-	6.1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	p-Isopropyltoluene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Chlorodibromomethane, µg	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Meta/Para-Xylene, µg/L	-	-	-	6.4	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Sec-Butylbenzene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Styrene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Tert-Butylbenzene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Tetrachloroethylene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Trans-1,2-Dichloroethylene, µ	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Trans-1,3-Dichloropropene, µ	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Trichloroethene, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Trichlorofluoromethane, µg	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	Vinyl chloride, µg/L	-	-	-	<1	µg/L	-	US EPA 624 Volatile Screen Compounds
Sump:Process Effluent	onsite	1,2,4-Trichlorobenzene, µg	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	1,2-Dichlorobenzene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	1,2-Dinitrobenzene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	1,3-Dichlorobenzene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	1,3-Dinitrobenzene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	1,4-Dichlorobenzene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	1,4-Dinitrobenzene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	1-Methylnaphthalene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2,2'-oxybis (1-Chloropropane)	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2,3,4,6-Tetrachlorophenol, µ	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2,3,5,6-Tetrachlorophenol, µ	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2,4,5-Trichlorophenol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2,4,6-Trichlorophenol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2,4-Dichlorophenol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2,4-Dimethylphenol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2,4-Dinitrophenol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2,4-Dinitrotoluene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2,6-Dinitrotoluene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2-Chloronaphthalene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2-Chlorophenol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2-methyl phenol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2-Methylnaphthalene	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2-Nitroaniline, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	2-Nitrophenol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	3-Methylphenol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	3-Nitroaniline, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	4,6-Dinitro-2-methylphenol,	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	4-Bromophenyl phenylether,	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	4-Chloro-3-methylphenol, µ	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	4-Chloroaniline, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	4-Chlorophenyl phenylether,	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	4-Methylphenol , µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	4-Nitroaniline, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	4-Nitrophenol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	Acenaphthene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite	Acenaphthylene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds

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Sump:Process Effluent	onsite		Analine, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Anthracene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Azobenzene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Benzo(a)Anthracene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Benzo(a)Pyrene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Benzo(b)Fluoranthene, µg/	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Benzo(ghi)Perylene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Benzo(k)Fluoranthene, µg/	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Benzyl Alcohol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Bis (2-chloroethoxy) methane,	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Bis (2-chloroethyl) ether , µ	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Bis(2-ethylhexyl)adipate, µg	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Bis (2-ethylhexyl)phthalate,	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Butyl benzylphthalate, µg/	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Carbazole, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Chrysene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Dibenzo(ah)Anthracene, µg	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Dibenzofuran, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Diethylphthalate, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Dimethyl phthalate, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Di-n-butylphthalate, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Di-n-octylphthalate, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Fluoranthene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Fluorene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Hexachlorobenzene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Hexachlorobutadiene, µg/	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Hexachlorocyclopentadiene,	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Hexachloroethane, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Indeno(123-cd)Pyrene, µg/	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Isophorone, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Naphthalene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Nitrobenzene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		n-Nitrosodimethylamine, µg	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		n-Nitroso-di-n-propylamine,	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		n-Nitrosodiphenylamine, µg	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Pentachlorophenol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Phenanthrene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Phenol, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Pyrene, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds
Sump:Process Effluent	onsite		Pyridine, µg/L	-	-	-	<0.01	µg/L	-	US EPA 625 Semi-Volatile Screen Compounds

*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	N/A	Additional information
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)	N/A	

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 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)	Comments
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: P0217-01 Year 2012

Continuous monitoring

			Additional Information
5	Does your site carry out continuous emissions to water/sewer monitoring?	No	

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**	N/A	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	N/A	
8	Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below**	N/A	

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
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

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?
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template

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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 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**	Yes — 3.11.5 The integrity and water tightness of all the bunding structures, tanks and
2	Please provide integrity testing frequency period	3 years — This is not a current repporting year
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)	Yes
4	How many bunds are on site?	3
5	How many of these bunds have been tested witin the required test schedule?	all 3
6	How many mobile bunds are on site?	none
7	Are the mobile bunds included in the bund test schedule?	N/A
8	How many of these mobile bunds have been tested witin the required test schedule?	N/A
9	How many sumps on site are included in the integrity test schedule?	2
10	How many of these sumps are integrity tested within the test schedule?	2
	Please list any sump integrity failures in table B1	
11	Do all sumps and chambers have high level liquid alarms?	No
12	If yes to Q11 are these failsafe systems included in a maintenance and testing 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

		Commentary
14	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
15	Are channels/transfer systems to remote containment systems tested?	SELECT
16	Are channels/transfer systems compliant in both integrity and available volume?	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 **which failed the integrity test**	SELECT
2	Please provide integrity testing frequency period	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:	P0217-01	Year	2012

			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	no	
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)	no	
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	N/A	
7	Please specify the proposed time frame for the remediation strategy	N/A	
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?	yes	
10	Has a Conceptual Site Model been developed for the site?	yes	
11	Have potential receptors been identified on and off site?	yes	
12	Is there evidence that contamination is migrating offsite?	yes	High Ammonia in upstream and down stream wells therefore source unknown .

Table 1: Upgradient Groundwater monitoring results

Dates of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	IGV	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
13/03/2012 and 20/07/2012	MW 3	Conductivity, µS/cm @ 20^{0}C		Bi-Annual	515	511.5	mg/l	1000	1000	-11.27	SELECT
	MW 3	Nitrate, mg/L N		Bi-Annual	<0.25	<0.25	mg/l	37.5	25	0.00	
	MW 3	Total Ammonia, mg/L as N		Bi-Annual	3.08	3.035	mg/l	0.175	0.15	4.75	
	MW 3	Chloride, mg/L		Bi-Annual	22.8	22.1	mg/l	30	30	0.78	
	MW 3	Sulphate, mg/L		Bi-Annual	1.38	1.38	mg/l	187.5	200	40.82	
	MW 3	Diesel Range Organics, µg/L		Bi-Annual	<10	<10	mg/l	135.8	-	0.00	
	MW 4	Conductivity, µS/cm @ 20^{0}C		Bi-Annual	389	384.5	mg/l	1000	1000	0.57	
	MW 4	Nitrate, mg/L N		Bi-Annual	<0.25	<0.25	mg/l	37.5	25	0.00	

Groundwater/Soil monitoring template					Lic No:	P0217-01		Year	2012		
	MW 4	Total Ammonia, mg/L as N		Bi-Annual	0.03	0.03	mg/l	0.175	0.15	-80.00	
	MW 4	Chloride, mg/L		Bi-Annual	34.6	30.8	mg/l	30	30	3.13	
	MW 4	Sulphate, mg/L		Bi-Annual	34	27.1	mg/l	187.5	200	3.46	
	MW 4	Diesel Range Organics, µg/L		Bi-Annual	<10	<10	mg/l	126.9	-	-23.08	

.+ 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*	IGV	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
13/03/2012 and 20/07/2012	MW 1	Conductivity, µS/cm @ 20^{0}C		Bi-Annual	627	626.5	mg/l	1000	1000	0.00	
	MW 1	Nitrate, mg/L N		Bi-Annual	<0.25	<0.25	mg/l	37.5	25	0.00	
	MW 1	Total Ammonia, mg/L as N		Bi-Annual	2.46	2.12	mg/l	0.175	0.15	40.40	
	MW 1	Chloride, mg/L		Bi-Annual	24.9	24.75	mg/l	30	30	1.48	
	MW 1	Sulphate, mg/L		Bi-Annual	<0.5	<0.5	mg/l	187.5	200	-73.19	
	MW 1	Diesel Range Organics, µg/L		Bi-Annual	<10	<10	mg/l	135.8	-	0.00	
	MW 2	Conductivity, µS/cm @ 20^{0}C		Bi-Annual	748	747	mg/l	1000	1000	7.21	
	MW 2	Nitrate, mg/L N		Bi-Annual	<0.25	<0.25	mg/l	37.5	25	0.00	
	MW 2	Total Ammonia, mg/L as N		Bi-Annual	2.11	1.975	mg/l	0.175	0.15	67.73	SELECT
	MW 2	Chloride, mg/L		Bi-Annual	24.8	24.45	mg/l	30	30	14.59	
	MW 2	Sulphate, mg/L		Bi-Annual	<0.5	<0.5	mg/l	187.5	200	-60.00	
	MW 2	Diesel Range Organics, µg/L		Bi-Annual	<10	<10	mg/l	135.8	-	0.00	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.

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**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

Groundwater/Soil monitoring template Lic No: P0217-01 Year 2012

Table 3: Soil results

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

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

	Environmental Liabilities template	Lic No:	P0217-01	Year	2012

Click here to access EPA guidance on Environmental Liabilities and Financial provision

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	Issued April 2008
2	ELRA review status	Review required and not completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€410,250	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	€2,600,000	
6	Financial Provision for ELRA - type	nsurance with Environmental Impairment Liability cover,	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	losure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Submitted and agreed by EPA	
11	Financial Provision for Closure - amount of cover	€77,660	This is the estimated cost associated with the decommissioning on the site.
12	Financial Provision for Closure - type	cash deposit	Non distributable reserve on the company balance sheet
13	Financial provision for Closure expiry date	Enter expiry date	

	Environmental Management Programme/Continuous Improvement Programme template	Lic No: P0217-01	Year 2012
	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	Select	KWD has implemented an Environmental Management Programme with targets and objectives set for the period of 2011 - 2016. The objectives for the facility are largely continuous relating to monitoring and compliance programmes.
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
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	Adhere to Environmental Management System	Ongoing	Carry out internal environmental audits	Section Head	Increased compliance with licence conditions
Additional improvements	To ensure that all employees are made aware of requirements of the site environmental system	Ongoing / 90	Identify environmental training needs of all employees Provide environmental awareness training to all employees	Section Head	Improved Environmental Management Practices
Additional improvements	Maintenance programme for vehicles and equipment	Ongoing / 90	Completing the maintenance programme	Section Head	Improved Environmental Management Practices
Additional improvements	To conduct Annual Environmental Review Meetings	Ongoing / 90	Review environmental performance of facility. Review EMP for 2011 / 2012	Section Head	Increased compliance with licence conditions
Additional improvements	Prepare annual statement in accordance with condition 12.2.2 of 1of Waste Licence No W0217-01	Ongoing / 90	Prepare annual statement on Environmental Liabilities Submit as part of AER	Section Head	Increased compliance with licence conditions
Additional improvements	Reduce Odour Complaints from the Plant	Ongoing	Three odour complaints were received in 2011. It is hoped that a repeat of this performance does not occur in 2011.	Section Head	Less complaints
Reduction of emissions to Water	Improve surface water quality from the site	80	Continue to monitor surface water from the site and investigate any exceedence of trigger values.	Section Head	Increased compliance with licence conditions
Additional improvements	Label and provide safe and permanent access to all onsite sampling and monitoring points and to offsite points as required by Condition 3.10 of Licence	100	Review access Inspect on an annual basis and upgrade if necessary	Section Head	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	All tank container and drum storage areas shall be rendered impervious in accordance with Condition 3.11.1 of Waste Licence W0217-01	100	Review storage of tanks, drums and container areas. Demonstrate that all storage areas are impervious to materials stored therein and repair if necessary	Section Head	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	Carry out integrity testing on all underground tanks and pipes. in accordance with condition 6.9 of Waste Licence No W0217-01	100	Undertake programme of integrity testing. Schedule testing for the integrity testing. To be carried out at three years intervals.	Section Head	Increased compliance with licence conditions
Noise reduction	Carry out annual Noise Survey in accordance with Condition 6.12.1 of Waste Licence No W0217-01 and ensure emissions are below Emission Limit Values.	100	Noise emissions were compliant with licenced Emission Limit Values for the 2010 monitoring period. Noise Survey.	Section Head	Less complaints

Environmental Management Programme/Continuous Improvement Programme template				Lic No:	P0217-01	Year	2012
Noise reduction	Prepare programme for the identification and reduction of noise emissions in accordance with Condition 6.12.1 of Waste Licence No W0217-01.	Ongoing	Review Noise survey reports. Prepare programme based on findings of Noise surveys. Submit programme to EPA and update where necessary.	Section Head	Less complaints		
Energy Efficiency/Utility conservation	To carry out energy efficiency Audit in accordance with Condition 7.1of Waste Licence No W0217-01.	100	Carry out energy efficiency Audit.	Section Head	Improved Environmental Management Practices		
Energy Efficiency/Utility conservation	Reduce Energy Consumption by 5% per tonne of waste processed.	Ongoing	Obtain Planning Permission for an ESB substation to reduce the amount of energy used onsite. Assess the reduction in energy use at the site to ensure it is below the target of 5%.	Section Head	Improved Environmental Management Practices		
Waste reduction/Raw material usage efficienc	Prepare report examining waste recovery options in accordance with Condition 11.11 of Waste Licence No W0217-01	70	Install upgrade to recycling line to increase efficiency, and provide a better product. Review options for improving recovery of BMW to remove fines, plastics, and metals to divert for recycling. Implement BMW waste recovery within the site.	Section Head	Increased compliance with licence conditions		
	Reduce Water Consumption onsite by 5%.	Ongoing	To examine the feasibility of capturing rainwater from the roof of the facility. 1. Calculate potential volumes of rainwater for collection. 2. Select suitable method of capturing rainwater and containers for same. 3. Site visit by potential suppliers of suitable systems. 4. Get costings for rainwater containers and associated pipework etc. 5. Review costs and compile feasibility report	Section Head	Improved Environmental Management Practices		
Additional improvements	Accident Prevention Policy	Ongoing/90	Review Annually Update Policy to include notification procedure to Environmental Protection Agency.	Section Head	Improved Environmental Management Practices		
Additional improvements	Emergency Response procedure	Ongoing	Update Annually –update as necessary.	Section Head	Improved Environmental Management Practices		
Additional improvements	Investigating possiblity of installing a willow wet land to supplement site reed bed	10	Contact was made to Féidhlim Harty of FH WETLAND SYSTEMS Ltd. About willow wet land suitability for the site.	Section Head	Improved Environmental Management Practices		

Noise monitoring summary report

Lic No: P0217-01 Year 2012

1	Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below		No
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 note NG4	Yes
3	Does your site have a noise reduction plan		Yes
4	When was the noise reduction plan last updated?		2011
5	Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?		No

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)?
26/09/2012	20:34-20:50	At the entrance to the site beside the visitors/directors car park and near the main reception.	NSL 1	40	38	41	-	No	N/A	Noise from the site faintly audible but not significant. The main noise source was distant traffic on local roads, wind in the trees and farm animals. Paused once for local car passing.	Yes
26/09/2012	19:21-19:39	Close to noise sentitive location to the south west of the site, on local access road.	NSL 2	41	36	43	-	No	N/A	Noise from the site very faintly audible but not significant. The main noise source was distant traffic on local roads and occasional dog barking and birdsong. Paused once to talk to neighbour.	Yes
26/09/2012	19:50-20:06	Beside nearest noise sensitive loaction to the north west of the site and adjacent local access road.	NSL 3	40	36	42	-	No	N/A	Site activity not audible. The main noise source was farm animals, wind in the trees, occasional dog barking and distant traffic. Paused for three cars passing.	Yes
26/09/2012	20:09-20:28	North of the site between residential dwelling H8 and H10 and close to local road.	NSL 4	39	36	40	-	No	N/A	Site activity not audible. The main noise source was farm animals, wind in the trees, occasional dog barking and distant traffic. Paused for eight cars passing.	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? SELECT

** 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: P0217-01 Year 2012

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	Apr-08	
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		N/A

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)	1147.713	1905.632	66.03732815	N/A
Total Energy Generated (MWHrs)	N/A	N/A	N/A	N/A
Total Renewable Energy Generated (MWHrs)	N/A	N/A	N/A	N/A
Electricity Consumption (MWHrs)	1147.713	1905.632	66.03732815	N/A
Fossil Fuels Consumption:	-	-	-	-
Heavy Fuel Oil (m3)	N/A	N/A	N/A	N/A
Light Fuel Oil (m3)	125.901	130.034	3.282738024	N/A
Natural gas (CMN)	N/A	N/A	N/A	N/A
Coal/Solid fuel (metric tonnes)	N/A	N/A	N/A	N/A
Peat (metric tonnes)	N/A	N/A	N/A	N/A
Renewable Biomass	N/A	N/A	N/A	N/A
Renewable energy generated on site	N/A	N/A	N/A	N/A

* 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	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Surface water	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Public supply	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Recycled water	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* 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)	No recorded maintained of internally created waste.				
Non-Hazardous (Tonnes)	No recorded maintained of internally created waste.				

Resource Usage/Energy efficiency summary

Lic No: P0217-01 Year 2012

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

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

Complaints and Incidents summary template

Lic No: P0217-01 Year 2012

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
03/01/2012	Procedural	N/A	Truck movement outside of licenced hours	There was no truck movement outside of licensed hours.	Complete	16-30/01/2012	N/A
12/10/2012	Noise	N/A	Noise outside operating hours from processing plant	No operating outside of hours	N/A	N/A	N/A
10/10/2012	Noise & Odour	N/A	Flies around house and odour previous day	Site inspection for flies & odour presence. None identified.	N/A	N/A	No usual events. Outside temp less than 13C so no insect activity in the area.
27/09/2012	Odour	N/A	Working outside of hours on Wed 26/9/12 & other days. Odour for 20 minon the moring of 27/9/12	Carried out a noise survey on shed operation ran line untill 9.45pm on 26/9/12 to facilitate the survey. No odour detected on Monday 27/9/12	N/A	N/A	N/A
01/05/2012	Miscellaneous	N/A	Truck movement at 2.46am 01/05/12 outside of operating hours.	No operating outside of hours	N/A	N/A	N/A
17/01/2012	Miscellaneous	N/A	Truck movement outside of licenced hours - at 5am on the 17/04/12	No truck or waste entered the side outside hours on the day.	N/A	N/A	N/A
04/01/2012	Miscellaneous	N/A	Truck movement and odour	accepted before 7.30am as per licence. Odour, damage to bottom of roller door fixed to seal correctly.	N/A	N/A	N/A

Total complaints open at start of reporting year	0
Total new complaints received during reporting year	7
Total complaints closed during reporting year	7
Balance of complaints end of reporting year	0

120 100 20 0.2

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
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

WASTE SUMMARY Lic No: P0217-01 Year 2012

SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACIL 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	No	
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** (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 -
9000	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste	13172.871	11940.8	10		0%	D1-Deposit into or onto land		
9000	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Compost	1772.49	1595.24	11		0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnother biological transformation processes)which includes gasification and pyrolisis		
9000	20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Timber	704.79	781.46	-10		0%	R4- Recycling/reclamation of metals and metal compounds		
9000	20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Scrap Metal	3703.509	2188.769	69		0%	R4- Recycling/reclamation of metals and metal compounds		
28000	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Cardboard Packaging which comprises Old Corrugated cardboard	918.04	3429.233	-73	Cardpackaging is also accepted in Dry Recyclables and in 2012 commercial/households may have disposed of this in the dry recyclable bin as opposed to directly as Cardboard on its own.	100% Packaging	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials		
28000	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic Packaging-Mixed Film	7.26	250.041	-97		100% Packaging	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials		

WASTE SUMMARY					Lic No:	P0217-01		Year	2012		
28000	15 01 04	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Aluminium Cans	4.48	41.06	-89		100% Packaging	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials		
28000	15 01 06	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Dry Recyclables-Paper (all newspaper, magazines, and paper products),Heavy corrugated cardboard and light cardboard,Aluminium-beverage cans, Steel (tin) cans, Tetra Pak Cartons(this is composed of a mixture of paper, polyethylene plastic, and aluminium foul. i.e. tetrapak milk/juice cartons).	56511.88	37994.7	49	A larger Quantity of Waste Material Was Accepted at KWD during the 2012 reporting Period.	100% Packaging	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials		
28000	16 01 03	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Tyres	12.42	12.12	2		0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials		
28000	17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Rubble	258.43	566.63	-54		0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials		
28000	17 02 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Glass	20.61	39.94	-48		0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials		
28000	17 04 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Scrap Metal	204.332	0.64	31827		0%	R4- Recycling/reclamation of metals and metal compounds		
28000	17 08 02	18- WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)	Plasterboard	0	6.12	-100		0%			

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	Yes	
	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	Yes	

6 Does your facility have relevant nuisance controls in place?	Yes	Odour Abatement and vermin controls in place at the facility.
7 Do you have an odour management system in place for your facility? If no why?	Yes	Misting system in place to facilitate dust suppression.
8 Do you maintain a sludge register on site?	No	

Environmental Protection Agency

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.16

REFERENCE YEAR	2012

1. FACILITY IDENTIFICATION

Parent Company Name	Killarney Waste Disposal Limited
Facility Name	Killarney Waste Disposal Limited
PRTR Identification Number	W0217
Licence Number	W0217-01

Waste or IPPC Classes of Activity

No.	class_name
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
4.11	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
4.12	Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.
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.
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.

Address 1	Aughacurreen
Address 2	Killarney
Address 3	Co Kerry
Address 4	
	Kerry
Country	Ireland
Coordinates of Location	-9.55272 52.0876
River Basin District	IESW
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	
AER Returns Contact Email Address	
AER Returns Contact Position	
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
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
5(c)	Installations for the disposal of non-hazardous waste
50.1	General

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

Is it applicable?	
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

4.1 RELEASES TO AIR Link to previous years emissions data | PRTR# : W0217 | Facility Name : Killarney Waste Disposal Limited | Filename : W0217_2012.xls | Return Year : 2012 | 14/05/2013 12:54

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: Killarney Waste Disposal Limited

Please enter summary data on the quantities of methane flared and / or utilised			Method Used			
	T (Total) kg/Year	**M/C/E**	**Method Code**	**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

RELEASES TO WATERS	
POLLUTANT	
No. Annex II	Name

* Select a row by double-clicking on the Pollutant Name (Column B) t

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS	
POLLUTANT	
No. Annex II	Name

* Select a row by double-clicking on the Pollutant Name (Column B) t

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

RELEASES TO WATERS	
POLLUTANT	
Pollutant No.	Name

* Select a row by double-clicking on the Pollutant Name (Column B) t

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT

			Please enter all quantities in this section in KGs	
	Method Used			
M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year
			0.0	0.0

:hen click the delete button

			Please enter all quantities in this section in KGs	
	Method Used			
M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year
			0.0	0.0

:hen click the delete button

			Please enter all quantities in this section in KGs	
	Method Used			
M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year
			0.0	0.0

:hen click the delete button

be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

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	
POLLUTANT	
No. Annex II	Name

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

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

RELEASES TO LAND	
POLLUTANT	
Pollutant No.	Name

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

			Please enter all quantities i
METHOD			
	Method Used		
M/C/E	Method Code	Designation or Description	Emission Point 1
			0.0

) then click the delete button

			Please enter all quantities i
METHOD			
	Method Used		
M/C/E	Method Code	Designation or Description	Emission Point 1
			0.0

) then click the delete button

in this section in KGs	
QUANTITY	
T (Total) KG/Year	A (Accidental) KG/Year
0.0	0.0

in this section in KGs	
QUANTITY	
T (Total) KG/Year	A (Accidental) KG/Year
0.0	0.0

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					
Within the Country	15 01 01	No	918.04	paper and cardboard packaging	R5	M	Weighed	Offsite in Ireland	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
To Other Countries	15 01 02	No	7.26	plastic packaging	R5	M	Weighed	Abroad	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
To Other Countries	15 01 04	No	4.48	metallic packaging	R4	M	Weighed	Abroad	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
Within the Country	16 01 03	No	16.42	end-of-life tyres	R4	M	Weighed	Offsite in Ireland	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
Within the Country	17 01 07	No	258.43	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	R5	M	Weighed	Offsite in Ireland	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
Within the Country	17 04 07	No	204.332	mixed metals	R4	M	Weighed	Offsite in Ireland	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
Within the Country	20 01 08	No	268.2	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
Within the Country	20 01 08	No	1072.8	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
Within the Country	20 01 40	No	3703.51	metals	R4	M	Weighed	Offsite in Ireland	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
Within the Country	20 03 01	No	56511.88	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
Within the Country	17 02 02	No	20.61	glass	R5	M	Weighed	Offsite in Ireland	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
Within the Country	20 03 07	No	1873.31	bulky waste	D1	M	Weighed	Offsite in Ireland	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
Within the Country	**17 02 01**	**No**	704.79	wood	R3	M	Weighed	Offsite in Ireland	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		
Within the Country	20 03 01	No	11299.56	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Confidential,Confidential	Confidential,Confidential,Confidential,Confidential,Confidential		

* 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