Veolia Environmental Services Technical Solutions Ltd.
Corrin, Fermoy,
Co. Cork

Waste Licence W0050-02

ANNUAL ENVIRONMENTAL REPORT 2010

SUMMARY

1.1 Facility Details

Waste Licence No: W0050-02
Company Name: Veolia Environmental Services Ltd.
Location: Corrin, Fermoy, Co. Cork.
Contact: Mike Powell,
Environmental Laboratory/Compliance Manager,
Tel: 025-42944.
Fax: 025-33885
Email: michael.powell@veolia.ie

This Annual Environmental Report covers the period from 1st January 2010– December 31st 2010.

Acceptability of wastes at the facility under waste licence W0050-02

Waste Type	Maximum Tonnes per Annum
Hazardous Construction and demolition	3,000
Industrial non-hazardous sludge	8,000
Hazardous waste as listed in Section H.1.3	58,000
Industrial non-hazardous solids	3,000
TOTAL	**72,000**

Licensed waste disposal activities, in accordance with the Third Schedule of the Waste Management Act, 1996

Class 7: Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination), which results in final compounds or mixtures, which are disposed of by means of any activity, referred to in paragraphs 1 to 10 of this Schedule.

Class 11: Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.

Class 12: Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.

Class 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.

Licensed waste recovery activities, in accordance with the Fourth Schedule of the Waste Management Act, 1996 to 2005:

Class 1: Solvent reclamation or regeneration

Class 2: Recycling or reclamation of organic substances, which are not used as solvents (including composting and other biological processes)

Class 3: Recycling or reclamation of metals or metal compounds.

Class 4: Recycling or reclamation of inorganic materials

Class 8: Oil re-refining or other re-uses of oil

Class 11: Use of waste for submission from any activity referred to in the preceding paragraph of this Schedule

Class 12: Exchange of waste for submission to any activity referred to in the preceding paragraph of this Schedule.

Class 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.

Environmental Policy

Veolia Environmental Services Ireland Limited is fully committed to the operation of its facilities to the highest environmental standards and fully supports and adheres to that policy.

It is the policy of Veolia Environmental Services Ireland Limited to protect the local environment and to minimise the impact of the operation on the environment. To achieve this objective it is committed to:

- ·Adhering to all relevant environmental legislation and relevant statutory obligations that relate to its activities both on and off site.
- ·Ensuring that all operations carried out by the company are done in a manner which ensures that environmental protection is taken into account.
- ·Providing and maintaining site facilities that are designed, constructed, operated and maintained to encompass the principles of good environmental practice.
- Striving to achieve a continuous improvement in efficiency of operations and environmental performance.
- Striving to minimise the quantity of waste disposed of at landfill and increasing the amount of material recycled / recovered.
- Providing environmental information to the community and responding positively to queries or complaints.
- Providing adequate training to all employees on environmental awareness and resource management.

2.0 MONITORING LOCATIONS GRID REFERENCES

Surface Water

STATION	EASTING	NORTHING
WSP1	181650	95521
WSP2	181831	95108

Groundwater

STATION	EASTING	NORTHING
BH1	181390	95219
BH2	181422	95338
BH3a	181502	95216
H1	181467	95070
H2	181566	94878
N1	181789	95582
N2	181028	95122
N3	181093	95060
N4	180919	95091
N5	180937	95328
HOLY WELL	181435	95389

Noise

STATION	EASTING	NORTHING
MP1	181467	95070
MP2	181407	95141
MP3	181360	95275
MP4	181434	95273
MP5	181093	95060

2.1Waste Management record:

A breakdown of the waste received/dispatched is included in this report.

Appendix 1 – Waste received at the facility from 1st January 2010 until 31st December 2010.

Appendix 8 – Waste dispatched from the site from 1st January 2010 until 31st December 2010 for Disposal/Recovery as reported in ePRTR

2.2 Use of quarantine store:

No waste was stored in the quarantine store

2.3 Rejected waste

No waste was rejected.

2.4 Surface Water Emissions

No direct emissions are made to the surface water on-site. Monitoring is carried out on the surface water leaving the site to ensure that there has been no contamination of the rainwater falling on and passing through the site. The parameters that are monitored are pH, Conductivity and TOC. These parameters are monitored continuously.

	Monitoring Range	Warning Level	Action/Trigger Levels
pH	Continuous	pH 6.5, pH 8.5	pH 6, pH 9
Conductivity	Continuous	> 600µS	> 800µS
TOC	Continuous	> 60mg/L	> 100mg/L

Table 2

Results:

The results for the continuous monitoring of surface water emissions are tabulated monthly and are available to the public on request at the Veolia Environmental Services Ltd site reception. In summary, the values for the surface water emission parameters (pH, Conductivity and Total Organic Carbon) for all surface water leaving the site were at all times within the limits agreed with the Agency. The out-fall valve was closed several times a month for various reasons such as equipment maintenance, equipment malfunction, cleaning or because of a forecast for low rainfall and during the prolonged cold spells experienced during the year.

2.5 Surface Water Monitoring:

In addition to the continuous monitoring of the surface water leaving the site there is additional monitoring of the surface water from the site in the local stream the "Shanowennadrimina" at the locations listed on page 6. Also listed are the Groundwater and noise monitoring locations.

Summary of results and interpretations of environmental monitoring of surface water

The surface water monitoring carried out for the year 2010 was according to the schedule C of waste licence W0050-02.

Conclusions

There is no evidence that Veolia Environmental Services Ltd is having any negative impact on the quality of the water in the Shanowennadrimina stream and it can be shown that the water quality of the stream has begun to improve slightly since the last annual report.

2.6 Groundwater Monitoring

For Tables of Results please see report in Appendix 2

Summary of results and interpretations of environmental monitoring of ground water.

The environmental monitoring carried out for the year 2010 was according to schedule C of waste licence W0050-02 There were four samplings undertaken during this period. The results from this monitoring can be found in Appendix 3. There was also parallel monitoring of the surface and groundwater carried out by the Environmental Protection Agency. There is very good correlation between the monitoring carried out on behalf of Veolia Environmental Services Ltd and the EPA monitoring.

Conclusion

The results from the quarterly and annual groundwater analysis carried out during 2010 indicate that in general the water from these boreholes is free from pollution or contamination. However during the reporting period the levels of chloride, sodium, total dissolved solids and the conductivity of BH1 remained high . Veolia Environmental Services received correspondence in 2009 from the NRA indicating that the source of the elevated levels is due to the storage of salt on the site opposite the facility which was used by the NRA during the construction of the M8 motorway. Veolia Environmental services will continue to monitor the situation in consultation with the agency.

2.7 Air Emissions Monitoring

Air emissions were measured from the fixed-point emission sources from the scrubbers. There are three scrubbers on site, Acid Gas Scrubber (AGS1) in bund H and two wet scrubber-carbon filters (WSCF1 and WSCF2) in bunds D and R. The monitoring frequency for all scrubbers is quarterly.

Acid Gas Scrubber 1 (AGS1)
The monitoring range was 1-20 ppm hydrogen chloride and the level of hydrogen chloride gas exhausted from the scrubber was always below the limit of detection.

Wet Scrubber -carbon Filter 1 (WSCF1)
The scrubber in bund D was not in use during 2010.

Wet Scrubber-carbon filter 2 (WSCF2)
The scrubber in bund R is used during the operation of the fuel blending facility. The first quarterly monitoring was carried out in quarter 4 2010 and was well below the limit of 10g/ hr as specified in schedule B.1 of waste licence W0050-02.

Air monitoring results are included in appendix 3.

2.8 Fugitive Emissions

Fugitive emissions are monitored according to the following schedule detailed below. No abnormally high levels of VOC's (volatile organic compound) were recorded during this years monitoring. The average site level of VOC's was below 1.0ppm There were a number of occasions where the PID detected low levels of VOC but these occasions were due to local agricultural activity e.g. slurry spreading and silage production . The instrument used is a photoioniosation detector which has a detection range of 0-3000ppm VOC. The results from the monitoring of fugitive emissions show that the operations at Veolia Environmental Services Ltd do not produce any significant fugitive emissions

	Monitoring Frequency	Position	Method
VOC's	Week-days (Monday –Friday) 3-8 hours	Perimeter Fence	PID

2.9 Noise Monitoring Survey

2.9.1 Location of Measurement Positions

A noise survey was carried out at various positions around the site both at the nearest noise sensitive properties and at positions on the site boundary all as identified in survey of 1997.The locations are detailed on page 6 of this report. The microphone position was at least 3.5 m from walls and at a height of approximately 1.2 m to minimise the effect of reflections.

2.9.2 Method of Measurement

Ambient noise measurements were made in accordance with BS 7445: 1991, Description and Measurement of Environmental Noise and BS 4142: 1990 Method for Rating Industrial Noise Affecting Mixed Residential and Industrial Area.

2.9.3 Results

The results from 2010 are consistent with those measured in previous years.

2.9.4 Conclusion

It is concluded that due to increased road traffic noise on the existing N8/M8 noise emissions from the facility have no significant impact on the prevailing noise environment.

2.10 Resource Usage

All figures are for the year from beginning 1st January 2010 until the 31st of December 2010.

Resource	Consumption
Electricity	39,400kWh
Diesel	8,500 Litres
Water	276 m3
Heating oil	12,000 L

3.0 Summary of other monitoring reports

3.1 Biological Monitoring

The Biological monitoring of the Shanowenadrimina Stream was carried out in June and kick-samples of two areas, one upstream and the other down-stream were sampled. A Q value of 3 was assigned to both sites.The full report is included in appendix 2 to this report.

3.2 Sediment analysis

The sediment analysis shows that the sediment metal concentrations are within the range previously measured.
The sediment analysis is included in appendix 2 of this report.

3.3 Meteorological Monitoring

The meteorological station measures the following parameters continuously and the results are available at the reception of Veolia Environmental Services Ltd. on a month-by-month basis.
Precipitation, Temperature (min/max.) Wind Force and Direction, Evaporation and Humidity

It is noted that the rainfall recorded on the site ranged from a maximum of two inches of rain in 1 day to a minimum of no rainfall for several weeks.

3.4 Asbestos Monitoring Summary

Asbestos monitoring is carried out in accordance with schedule C.6 of waste licence W0050-02.
Monitoring was carried out on two separate occasions using the UK Health and Safety Executive procedure MDHS 39/4 (1995).On each occasion the result was <0.01 fibres/ml which is the clearance indicator as specified in the UK HSE guideline EH 10.

4.0 Reported incidents and complaints

4.1 Incidents

There were no incidents as defined in condition 11. of waste licence W0050-02, during 2010.

4.2 Complaints:

There were no complaints during the period covered in this report.

5.0 Environmental Management Programme

Attached (Appendix 4) are the Environmental Projects that make up the Environmental Management Programme of the Veolia Environmental Services Ltd EMS for the year ending December 31st 2011.

Attached (Appendix 4) is the review of the projects from 2010

5.1 Schedule of environmental objectives and targets

Objectives and targets are outlined in appendix 4.

6.0 Financial provision under license

Current Financial Provisions

Veolia Environmental Services Ltd have put in place a Bank Bond for the sum of €317,500 made payable to the EPA. In an insolvency event this Bond allows for both the disposal of waste on site and annual environmental monitoring to be carried out according to schedule C of waste licence W0050-02.and schedule C of waste licence W0050-02. This bond allows for payment by the Bank to the Agency an amount which equals €317,500.The Bond is based on the "worst case scenario" that all spaces are full on site with waste.

7.0 Future developments

There is no future development planned as of the date of this report.

8.0 Tank, pipeline and bund testing

Tank and bund testing was completed in early 2008.
Pipeline testing was carried out in December 2009
Bund testing is due to be carried out during 2011/2012.

9.0 List of standard operating procedures

No operating procedures were developed during 2010.

10.0 Environmental liabilities risk assessment/ CRAMP

See appendix 6/7

11.0 Volume of contaminated stormwater produced and volume transported off site.

None produced.

12.0 Energy audit

An energy audit was carried out in 2005 upon receipt of licence W0050-02, it findings are incorporated in the environmental objectives and targets where applicable.

Appendix 1:

Waste accepted at the facility from 1st January 2010 to 31st December 2010.

Description	EWC	Amount (tonnes)
Waste from the production of alcoholic and non alcoholic beverages	02 07 04	33.22
Tank bottom sludges	05 01 03*	56.10
Phosphoric and phosphorous acid	06 01 04*	0.47
Nitirc and nitrous acid	06 01 05*	1.11
Other acids	06 01 06*	52.56
Sodium and potassium hydroxide	06 02 04*	41.73
Bases	06 02 05*	90.22
Wastes containing mercury	06 04 04*	0.15
aqueous washing liquids and mother liquors	07 01 01*	8.57
Other organic solvents, washing liquids and mother liquors	07 01 04*	6.50
Aqueous washing liquids and mother liquors	07 05 01*	10,735.67
organic halogenated solvents, washing liquids and mother liquors	07 05 03*	1509.38
Other organic solvents, washing liquids and mother liquors	07 05 04*	20964.53
Filter cakes and spent absorbents	07 05 10*	81.99
Sludges from on site effluent treatment not containing dangerous substances	07 05 12	10.43
Solid wastes containing dangerous substances	07 05 13*	877.53
Solid wastes not containing dangerous substances	07 05 14	389.14
Waste from MSFU of pharmaceuticals not otherwise specified	07 05 99	.49
Waste from MSFU of fats, greases, soaps, detergents, disinfectants and cosmetics not otherwise specified	07 06 99	131.52
Aqueous washing liquids and mother liquors	07 07 01*	225.24
waste ink containing dangerous substances	08 03 08	0.11
Waste paint and varnish	08 03 12*	0.73
waste printing toner not containing dangerous substances	08 03 18	3.75
waste from casting of non ferrous pieces not otherwise specified	10 10 99	21.76
Waste ceraimics, bricks, tiles and contruction products	10 12 08	0.33
waste from chemical surface treatment and coating of metals and other materials; non ferrous hydrometallurgy not otherwise specified	11 01 09*	36.37
aqueous rinsing liquids containing dangerous substances	11 01 15*	2.66
other waste containing dangerous substances	11 01 98*	28.94
Non ferrous metal filings and turnings	12 01 03*	0.47
machining emulsions and solutions free of halogens	12 01 09*	0.09
Machining sludges containing dangerous substances	12 01 14*	12.00
Metal sludge containing oil	12 01 18*	139.59
mineral based non chlorinated hydraulic oils	13 01 10*	0.08
other hydraulic oils	13 01 13*	0.39
other engine, gear and hydraulic oils	13 02 08*	7.26
fuel oil and diesel	13 07 01*	20.06
oil waste not otherwise specified	13 08 99*	0.83
Other solvents and solvent mixtures	14 06 03*	1151.79
plastic packaging	15 01 02	0.20
Wooden packaging	15 01 03	0.70
Packaging containing residues of or contaminated by dangerous substances	15 01 10*	401.84
absorbents, filter material wiping cloths	15 02 02*	214.10
absorbents, filter material wiping cloths othere than those is 15 02 02*	15 02 03*	5.19
Transformers and capacitors containing PCBs	16 02 09*	0.09
discarded equipment containing hazardous components	16 02 13*	6.80
Discarded equipment other than those mentioned in 16 02 09 to 16 02 12	16 02 14	11.61

Description	EWC	Amount (tonnes)
Inorganic waste containing inorganic substances	16 02 16	0.02
Organic wastes containing dangerous substances	16 03 05*	22.41
Gases in pressure containers including halons containing dangerous substances	16 05 04*	4.23
Laboratory chemicals consisting of or containing dangerous substances including laboratory chemicals	16 05 06*	2.92
Discarded inorganic chemicals consisting of or containing dangerous substances	16 05 07*	12.07
Discarded organic chemicals consisting of or containing dangerous substances	16 05 08*	12.13
Lead batteries	16 06 01*	4.25
Ni Cd batteries	16 06 02*	0.23
alkaline batteries	16 06 04	0.72
wastes containing oil	16 07 08*	0.25
Spent catalysts	16 08 01	0.74
spent catalysts containing dangerous transition metals or dangerous transition metal compounds	16 08 02*	33.64
Spent catalysts contaminated with dangerous substances	16 08 07*	78.18
Aqueous liquid wastes containing dangerous substances	16 10 01*	5.25
Linings and refractories from non metallurgical processes containing dangerous substances	16 11 05*	6.88
soil and stones containing dangerous substances	17 05 03*	1.65
Bonded asbestos	17 06 05*	8.30
Medicines other than those mentioned in 18 01 08	18 01 09*	8.60
fly ash containing dangerous substances	19 01 13*	36.78
Solid combustible wastes containing dangerous substances	19 02 09*	13.01
Spent activated carbon	19 09 04	0.83
Waste from a transfer station	19 12 11	123.20
Acids	20 01 14*	141.32
Alkalines	20 01 15*	3.74
Pesticides	20 01 19*	15.15
Fluorescent tubes and other mercury containing waste	20 01 21*	3.01
discarded waste containing chlorofluorocarbons	20 01 23*	0.09
edible oil and fat	20 01 25	7.23
paints inks adhesives and resins containing dangerous substances	20 01 27*	215.88
discarded electrical equipment containing dangerous substances	20 01 35*	1.85
discarded electrical equipment other than 200135	20 01 36	11.89

Appendix 2:

Quarterly Surface and Groundwater Monitoring Results and the Annual Groundwater & Surface Water Sediment & Biological Analysis

Jones Environmental Laboratory

Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

Tel: +44 (0) 1244 833780
Fax: +44 (0) 1244 833781

WYG
Unit 2 University Technology Centre
Curraheen Road
Cork

No.4225

Attention :	Donal Hogan
Date :	12th March 2010
Your reference :	CEO 7628
Our reference :	Test Report 10/1355
Location :	-
Date samples received :	29/03/10
Status :	Final Report
Issue :	1

Five samples were received for analysis on 29th March 2010 which was completed on 12th March 2010. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. All interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

J W Farrell- Jones CChem FRSC
Chartered Chemist

Client Name: WYG

Reference: CEO 7628

Location: -

Contact: Donal Hogan

JE Job No.: 10/1355

Report : Liquids

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
H=H_2SO_4, Z=ZnAc, N=NaOH, HN=HNO_3

J E Sample No.	1-5	6-10	11-15	16-19	20-23						LOD	Units	Method No.
Sample ID	BH1	BH2	BH3	WSP 1	WSP 2								
Depth	-	-	-	-	-								
COC No / misc													
Containers	V H P G	V H P G	V H P G	V H P G	V H P G								
Sample Date	26/03/10	26/03/10	26/03/10	26/03/10	26/03/10								
Sample Type	Water	Water	Water	Water	Water								
Batch Number	1	1	1	1	1								
Date of Receipt	29/03/10	29/03/10	29/03/10	29/03/10	29/03/10								
pH	8.03	8.27	8.25	8.44	8.45						<0.01	pH units	TM73W
Electrical Conductivity @25°C	~	~	~	401	452						<100	µS/cm	TM76
Chloride*	384.7	42.1	19.9	35.6	34.0						<0.3	mg/l	TM038W
Amm N2/Tot Ammonia as NH3*	<0.2	<0.2	<0.2	<0.2	<0.2						<0.2	mg/l	TM038W
Potassium - dissolved	0.67	2.02	0.67	~	~						<0.04	mg/l	TM 030W
Sodium - dissolved	125.1	15.73	9.82	~	~						<0.15	mg/l	TM 030W
EPH (C8-C40) (dissolved) * [30]	<10	<10	<10	~	~						<10	µg/l	TM5/PM8
Total Oxidised Nitrogen as N*	1.29	1.57	10.73	~	~						<0.05	mg/l	TM038W
Total Solids	947	383	307	~	~						<5	mg/l	TM020W
TOC	<2	<2	<2	~	~						<2	mg/l	TM060W
Mercury - dissolved *	<1	<1	<1	~	~						<1	µg/l	TM 030W
Nickel - dissolved *	<2	<2	<2	~	~						<2	µg/l	TM 030W
Zinc - dissolved *	19	<3	3	~	~						<3	µg/l	TM 030W
Aluminium - dissolved *	<20	<20	<20	~	~						<20	µg/l	TM 030W
Total Suspended Solids	~	~	~	<10	<10						<10	mg/l	TM037W
Dissolved Oxygen	~	~	~	11	11						<1	mg/l	TM059

Please see attached notes for all abbreviations and acronyms

All solid results are expressed on a dry weight basis unless stated otherwise.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. Your final report will reflect this, with non-MCERTS results on separate pages.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Asbestos screens where requested will be undertaken by a UKAS accredited laboratory.

WATERS

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory . It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to tap water, surface water and groundwater only, any other liquids are outside our scope of accreditation

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples. All samples are treated as groundwaters and anlalysis performed on settled samples unless we are instructed otherwise.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any analysis that may be compromised highlighted on your schedule/ report by the use of a symbol.

The use of any of the following symbols indicates that the sample was deviating and the test result may be unreliable:

$ sample temperature on receipt considered inappropriate for analysis requested

^ samples exceeding recomended holding times

& samples received in inappropriate containers (e.g. volatile samples not submitted in VOC jars/vials)

~ no sampling date given, unable to confirm if samples are with acceptable holding times

ABBREVIATIONS and ACRONYMS USED

- UKAS accredited

M - MCERTS accredited

NAD - No Asbestos Detected

ND - None Detected (usually refers to VOC and/SVOC TICs)

SS - Calibrated against a single substance

* - analysis subcontracted to a Jones Environmental approved laboratory.

W - Results expressed on as received basis

\+ Failed AQC results should be considered as indicative only and are not accredited.

++ Result outside calibration range, may be possible to re-run with higher detection limits

Jones Environmental Laboratory

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WYG
Unit 2 University Technology Centre
Curraheen Road
Cork

No.4225

Attention :	Donal Hogan
Date :	26th November 2010
Your reference :	CEO 7628
Our reference :	Test Report 10/3134
Location :	-
Date samples received :	1st July 2010
Status :	Final Report
Issue :	3

Seven samples were received for analysis on 1st July 2010 which was completed on 18th August 2010. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced.
All interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

J W Farrell- Jones CChem FRSC
Chartered Chemist

Jones Environmental Laboratory

Client Name:	WYG	Report :	Liquids
Reference:	CEO 7628		
Location:	-		
Contact:	Donal Hogan	**Liquids/products:** V=40ml vial, G=glass bottle, P=plastic bottle	
JE Job No.:	10/3134	H=H_2SO_4, Z=ZnAc, N=NaOH, HN=HNO_3	

J E Sample No.	1-5	6-11	12-17	18-21	22-26						LOD	Units	Method No.
Sample ID	BH1	BH2	BH3	WSP1	WSP2								
Depth	-	-	-	-	-								
COC No / misc													
Containers	V H P G BACTI	V H P G BACTI	V H P G BACTI	V H P G BACTI	V H P G BACTI								
Sample Date	29/06/10	29/06/10	29/06/10	29/06/10	29/06/10								
Sample Type	Water	Water	Water	Water	Water								
Batch Number	1	1	1	1	1								
Date of Receipt	01/07/10	01/07/10	01/07/10	01/07/10	01/07/10								
GRO (C4-12)											<100	µg/l	TM36/PM12
GRO (C4-C8)	<100	<100	<100	<100	<100						<100	µg/l	TM36/PM12
GRO (C8-C12)	<100	<100	<100	<100	<100						<100	µg/l	TM36/PM12
GRO (C4-12)	<100	<100	<100	<100	<100						<100	µg/l	TM36/PM12
VOCs *	See tab	See tab	See tab	See tab	See tab						<1-5	µg/l	TM15/PM10
SVOCs (dissolved)	See tab	See tab	See tab	See tab	See tab						<10	µg/l	TM16/PM9
EPH (C8-C40) (dissolved) *#	<10	<10	<10	<10	<10						<10	µg/l	TM5/PM9
Mineral Oil (interpretation & calculation)	<10	<10	<10	<10	<10						<10	µg/l	TM5/PM9
pH*	~	~	~	8.48	8.48						<0.01	pH units	TM19/PM11
Electrical Conductivity* @25°C	~	~	~	444	410						<100	µS/cm	TM28/PM11
Chloride*	319.0	46.3	20.9	33.4	31.0						<0.3	mg/l	TM038W
Ortho phosphate as PO4*	0.09	<0.06	0.07	<0.06	3.51						<0.06	mg/l	TM038W
Fluoride	0.4	<0.3	<0.3	~	~						<0.3	mg/l	TM038W
Ammoniacal Nitrogen as N*	<0.2	<0.2	<0.2	0.2	<0.2						<0.2	mg/l	TM038W
Total Oxidised Nitrogen as N*	11.39	9.26	9.56	4.26	2.83						<0.05	mg/l	TM038W
Total Suspended Solids	~	~	~	<10	<10						<10	mg/l	TM037W
TOC	51	2	4	~	~						<2	mg/l	TM060W
Dissolved Oxygen	~	~	~	9	8						<1	mg/l	TM059
Cadmium - dissolved *	<0.5	<0.5	<0.5	<0.5	<0.5						<0.5	µg/l	TM 030W
Copper - dissolved *	<7	<7	<7	<7	<7						<7	µg/l	TM 030W
Iron - dissolved *	<20	22	<20	<20	90						<20	µg/l	TM 030W
Manganese - dissolved *	<2	6	<2	<2	5						<2	µg/l	TM 030W
Nickel - dissolved *	<2	<2	<2	<2	6						<2	µg/l	TM 030W
Zinc - dissolved *	11	<3	<3	<3	<3						<3	µg/l	TM 030W
Aluminium - dissolved *	<20	<20	<20	~	~						<20	µg/l	TM 030W
Mercury - dissolved *	<1	<1	<1	~	~						<1	µg/l	TM 030W
Lead - dissolved *	<5	<5	<5	<5	<5						<5	µg/l	TM 030W
Calcium - dissolved	~	~	~	83.5	86.6						<0.03	mg/l	TM 030W
Magnesium - dissolved	~	~	~	7.20	7.00						<0.02	mg/l	TM 030W
Potassium - dissolved	0.90	2.50	0.90	2.20	2.10						<0.04	mg/l	TM 030W
Sodium - dissolved	121.00	18.30	11.00	20.30	19.00						<0.15	mg/l	TM 030W
Phosphorous - total	23	26	20	12	15						<5	µg/l	TM 030W
Chromium - total	<1.5	<1.5	2.4	1.7	<1.5						<1.5	µg/l	TM 030W
Total Cyanide*^	<40	<40	<40	~	~						<40	µg/l	subcontracted
Free Chlorine	<5	<5	<5	~	~						<0.02	mg/l	TM066W
Total Solids	858	304	175	~	~						<5	mg/l	TM020W

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: WYG
Reference: CEO 7628
Location: -
Contact: Donal Hogan
JE Job No.: 10/3134

Report : Liquids

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
H=H_2SO_4, Z=ZnAc, N=NaOH, HN=HNO_3

J E Sample No.	1-5	6-11	12-17	18-21	22-25							
Sample ID	BH1	BH2	BH3	WSP1	WSP2							
Depth	-	-	-	-	-							
COC No / misc												
Containers	V H P G BACTI	V H P G BACTI	V H P G BACTI	V H P G BACTI	V H P G BACTI							
Sample Date	29/06/10	29/06/10	29/06/10	29/06/10	29/06/10							
Sample Type	Water	Water	Water	Water	Water							
Batch Number	1	1	1	1	1							
Date of Receipt	01/07/10	01/07/10	01/07/10	01/07/10	01/07/10							

Please see attached notes for all abbreviations and acronyms

											LOD	Units	Method No.
GRO (C4-12)													
GRO (C4-C8)	<100	<100	<100	<100	<100						<100	µg/l	TM36/PM12
GRO (C8-C12)	<100	<100	<100	<100	<100						<100	µg/l	TM36/PM12
GRO (C4-12)	<100	<100	<100	<100	<100						<100	µg/l	TM36/PM12
VOCs *	See tab	See tab	See tab	See tab	See tab						<1-5	µg/l	TM15/PM10
SVOCs (dissolved)	See tab	See tab	See tab	See tab	See tab						<10	µg/l	TM16/PM9
EPH (C8-C40) (dissolved) * [10]	<10	<10	<10	<10	<10						<10	µg/l	TM5/PM9
Mineral Oil (interpretation & calculation)	<10	<10	<10	<10	<10						<10	µg/l	TM5/PM9
pH*	~	~	~	8.48	8.48						<0.01	pH units	TM19/PM11
Electrical Conductivity* @25°C	~	~	~	444	410						<100	µS/cm	TM28/PM11
Chloride*	319.0	46.3	20.9	33.4	31.0						<0.3	mg/l	TM38W
Ortho phosphate as PO4*	0.09	<0.06	0.07	<0.06	3.51						<0.06	mg/l	TM38W
Fluoride	0.4	<0.3	<0.3	~	~						<0.3	mg/l	TM38W
Ammoniacal Nitrogen as N*	<0.2	<0.2	<0.2	0.2	<0.2						<0.2	mg/l	TM38W
Total Oxidised Nitrogen as N*	11.39	9.26	9.56	4.26	2.83						<0.05	mg/l	TM38W
Total Suspended Solids	~	~	~	<10	<10						<10	mg/l	TM37W
TOC	51	2	4	~	~						<2	mg/l	TM60W
Dissolved Oxygen	~	~	~	9	8						<1	mg/l	TM59
Cadmium - dissolved *	<0.5	<0.5	<0.5	<0.5	<0.5						<0.5	µg/l	TM 030W
Copper - dissolved *	<7	<7	<7	<7	<7						<7	µg/l	TM 030W
Iron - dissolved *	<20	22	<20	<20	90						<20	µg/l	TM 030W
Manganese - dissolved *	<2	6	<2	<2	5						<2	µg/l	TM 030W
Nickel - dissolved *	<2	<2	<2	<2	6						<2	µg/l	TM 030W
Zinc - dissolved *	11	<3	<3	<3	<3						<3	µg/l	TM 030W
Aluminium - dissolved *	<20	<20	<20	~	~						<20	µg/l	TM 030W
Mercury - dissolved *	<1	<1	<1	~	~						<1	µg/l	TM 030W
Lead - dissolved *	<5	<5	<5	<5	<5						<5	µg/l	TM 030W
Calcium - dissolved	~	~	~	83.8	86.6						<0.03	mg/l	TM 030W
Magnesium - dissolved	~	~	~	7.20	7.00						<0.02	mg/l	TM 030W
Potassium - dissolved	0.90	2.50	0.90	2.20	2.10						<0.04	mg/l	TM 030W
Sodium - dissolved	121.00	15.30	11.00	20.30	19.00						<0.15	mg/l	TM 030W
Phosphorous - total	23	26	20	12	15						<5	µg/l	TM 030W
Chromium - total	<1.5	<1.5	2.4	1.7	<1.5						<1.5	µg/l	TM 030W
Total Cyanide**	<40	<40	<40	~	~						<40	µg/l	subcontracted
Free Chlorine	<5	<5	<5	~	~						<0.02	mg/l	TM96W
Total Solids	858	304	175	~	~						<5	mg/l	TM20W

All solid results are expressed on a dry weight basis unless stated otherwise.

Jones Environmental Laboratory

Client Name:	WYG
Reference:	CEO 7628
Location:	-
Contact:	Donal Hogan
JE Job No.:	10/3134

Report : Solids

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	26	27									LOD	Units	Method No.
Sample ID	SS1	SS2											
Depth	-	-											
COC No / misc													
Containers	T	T											
Sample Date	29/06/10	29/06/10											
Sample Type	Soil	Soil											
Batch Number	1	1											
Date of Receipt	01/07/10	01/07/10											
EPH (C8-C40) *	41	1389									<30	mg/ kg	TM5/PM8
Mineral Oil (interpretation & calculation)	<30	137									<30	mg/ kg	TM5/PM8
Cadmium *	0.3	1.2									<0.1	mg/kg	TM030
Chromium *	10.8	18.8									<0.5	mg/kg	TM030
Copper *	6.2	22.6									<1	mg/kg	TM030
Lead *	9.1	20.4									<5	mg/kg	TM030
Zinc *	23.8	92									<5	mg/kg	TM030
Nickel *	12.3	29.2									<0.5	mg/kg	TM030

Please see attached notes for all abbreviations and acronyms

Client Name: WYG
Reference: CEO 7628
Location: -
Contact: Donal Hogan
JE Job No.: 10/3134

VOC Report : LIQUID

J E Sample No.	1-5	6-11	12-17	18-21	22-25							
Sample ID	BH1	BH2	BH3	WSP1	WSP2							
Depth	-	-	-	-	-							
COC No / misc												
Containers	V H P G	V H P G	V H P G	V H P G	V H P G							
Sample Date	29/06/10	29/06/10	29/06/10	29/06/10	29/06/10							
Sample Type	Water	Water	Water	Water	Water							
Batch Number	1	1	1	1	1							
Date of Receipt	01/07/10	01/07/10	01/07/10	01/07/10	01/07/10							

Please see attached notes for all abbreviations and acronyms

										LOD	Units	Method No.
Dichlorodifluoromethane	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
Methyl Tertiary Butyl Ether	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
Chloromethane *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
Vinyl Chloride	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
Bromomethane	<1	<1	<1	<1	<1					<1	µg/l	TM15/PM10
Chloroethane *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
Trichlorofluoromethane *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,1-Dichloroethene *	<6	<6	<6	<6	<6					<6	µg/l	TM15/PM10
Carbon Disulphide *	NA	NA	NA	NA	NA					<3	µg/l	TM15/PM10
Dichloromethane *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
trans-1-2-Dichloroethene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,1-Dichloroethane *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
cis-1-2-Dichloroethene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
2,2-Dichloropropane	<1	<1	<1	<1	<1					<1	µg/l	TM15/PM10
Bromochloromethane *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
Chloroform *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,1,1-Trichloroethane *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,1-Dichloropropene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
Carbon tetrachloride *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
1,2-Dichloroethane *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
Benzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
Trichloroethene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,2-Dichloropropane *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
Dibromomethane *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
Bromodichloromethane *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
cis-1-3-Dichloropropene *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
Toluene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
trans-1-3-Dichloropropene *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
1,1,2-Trichloroethane *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
Tetrachloroethene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,3-Dichloropropane *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
Dibromochloromethane *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
1,2-Dibromoethane *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
Chlorobenzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,1,1,2-Tetrachloroethane *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
Ethylbenzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
p/m-Xylene *	<5	<5	<5	<5	<5					<5	µg/l	TM15/PM10
o-Xylene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
Styrene *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
Bromoform *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
Isopropylbenzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,1,2,2-Tetrachloroethane	<4	<4	<4	<4	<4					<4	µg/l	TM15/PM10
Bromobenzene *	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
1,2,3-Trichloropropane *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
Propylbenzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
2-Chlorotoluene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,3,5-Trimethylbenzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
4-Chlorotoluene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
tert-Butylbenzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,2,4-Trimethylbenzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
sec-Butylbenzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
4-Isopropyltoluene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,3-Dichlorobenzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,4-Dichlorobenzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
n-Butylbenzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,2-Dichlorobenzene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
1,2-Dibromo-3-chloropropane	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
1,2,4-Trichlorobenzene	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
Hexachlorobutadiene *	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10
Naphthalene	<2	<2	<2	<2	<2					<2	µg/l	TM15/PM10
1,2,3-Trichlorobenzene	<3	<3	<3	<3	<3					<3	µg/l	TM15/PM10

Jones Environmental Laboratory

Client Name:	WYG
Reference:	CEO 7628
Location:	-
Contact:	Donal Hogan
JE Job No.:	10/3134

SVOC Report : LIQUID

J E Sample No.	1-5	6-11	12-17	18-21	22-25							
Sample ID	BH1	BH2	BH3	WSP1	WSP2							
Depth	-	-	-	-	-							
COC No / misc												
Containers	VHPG BACTI	VHPG BACTI	VHPG BACTI	VHPG BACTI	VHPG BACTI							
Sample Date	29/06/10	29/06/10	29/06/10	29/06/10	29/06/10							
Sample Type	Water	Water	Water	Water	Water							
Batch Number	1	1	1	1	1							
Date of Receipt	01/07/10	01/07/10	01/07/10	01/07/10	01/07/10							

Please see attached notes for all abbreviations and acronyms

											LOD	Units	Method No.
Phenols													
2-Chlorophenol	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
2-Methylphenol	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
2-Nitrophenol	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
2,4-Dichlorophenol	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
2,4-Dimethylphenol	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
4-Methylphenol	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
4-Nitrophenol	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Pentachlorophenol	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Phenol	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
PAHs													
2-Chloronaphthalene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
2-Methylnaphthalene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Naphthalene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Acenaphthylene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Acenaphthene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Fluorene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Phenanthrene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Anthracene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Fluoranthene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Pyrene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Benz(a)anthracene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Chrysene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Benzo(bk)fluoranthene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Benzo(a)pyrene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Indeno(123cd)pyrene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Dibenzo(ah)anthracene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Benzo(ghi)perylene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Phthalates													
Bis(2-ethylhexyl) phthalate	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Butylbenzyl phthalate	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Di-n-butyl phthalate	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Di-n-Octyl phthalate	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Diethyl phthalate	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Dimethyl phthalate	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Other SVOCs													
1,2-Dichlorobenzene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
1,2,4-Trichlorobenzene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
1,3-Dichlorobenzene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
1,4-Dichlorobenzene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
2-Nitroaniline	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
2,4-Dinitrotoluene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
2,6-Dinitrotoluene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
3-Nitroaniline	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
4-Bromophenylphenylether	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
4-Chloroaniline	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
4-Chlorophenylphenylether	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
4-Nitroaniline	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Azobenzene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Bis(2-chloroethoxy)methane	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Bis(2-chloroethyl)ether	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Carbazole	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Dibenzofuran	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Hexachlorobenzene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Hexachlorobutadiene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Hexachloroethane	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Isophorone	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
N-nitrosodi-n-propylamine	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9
Nitrobenzene	<10	<10	<10	<10	<10						<10	µg/l	TM16/PM9

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

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DEVIATING SAMPLES

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* - analysis subcontracted to a Jones Environmental approved laboratory.

W - Results expressed on as received basis

+ Failed AQC results should be considered as indicative only and are not accredited.

++ Result outside calibration range, may be possible to re-run with higher detection limits

VEOLIA – June 2010 Annual Sample

River Biological Monitoring Results

Upstream (WSP-2)
Stream description: water depth ~20cm, silty substrate, water fast flowing

Q-value – Q3, based on taxa presence and abundance presented in Table 1

Downstream (WSP-1)
Stream description: water depth ~35cm, silty substrate, slow flowing water.

Q-value – Q3, based on taxa presence and abundance presented in Table 2

Table 1: Taxa and abundance in Upstream sampling location

	Upstream (KS1)	
	Taxa	Abundance
Group A		
Group B	Limnephilidae	present
	Sericostomatidae	present
Group C	Baetidae	present
	Gammarus spp	numerous
	Hydropsychidae	present
	Glossiphoniidae	present
	Hydrobiidae	numerous
Group D	Asellus spp	present
	Lymnaea spp	present
	Glossiphoniidae	present
Group E	Chironomus spp	scarce
	Tubificidae	small numbers

Table 2: Taxa and abundance in Downstream sampling location

	Downstream (KS2)	
	Taxa	Abundance
Group A		
Group B	Lepidostomatidae	present
	Sericostomatidae	scarce
Group C	Baetidae	scarce
	Hydropsychidae	present
	Gammarus spp	fair numbers
	Planorbidae	present
	Hydrobiidae	excessive
Group D	Asellus spp	present
	Lymnaea spp	present
Group E		
	Chironomus spp	present

Jones Environmental Laboratory

Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

Tel: +44 (0) 1244 833780
Fax: +44 (0) 1244 833781

WYG
Unit 2 University Technology Centre
Curraheen Road
Cork

No.4225

Attention :	Donal Hogan
Date :	21st October 2010
Your reference :	CEO 7628
Our reference :	Test Report 10/4575
Location :	-
Date samples received :	1st October 2010
Status :	Final Report
Issue :	1

Five samples were received for analysis on 1st October 2010 which was completed on 21st October 2010. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced.
All interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

J W Farrell- Jones CChem FRSC
Chartered Chemist

Client Name:	WYG	Report :	Liquids
Reference:	CEO 7628		
Location:	-		
Contact:	Donal Hogan	**Liquids/products:** V=40ml vial, G=glass bottle, P=plastic bottle	
JE Job No.:	10/4575	$H=H_2SO_4$, Z=ZnAc, N=NaOH, HN=HNO_3	

Please see attached notes for all abbreviations and acronyms

J E Sample No.	1-5	6-10	11-15	16-21	22-27							
Sample ID	BH1	BH2	BH3a	WSP 1	WSP 2					LOD	Units	Method No.
Depth	-	-	-	-	-							
COC No / misc												
Containers	V H P G	V H P G	V H P G	V H P G	V H P G							
Sample Date	30/09/10	30/09/10	30/09/10	30/09/10	30/09/10							
Sample Type	Water	Water	Water	Water	Water							
Batch Number	1	1	1	1	1							
Date of Receipt	01/10/10	01/10/10	01/10/10	01/10/10	01/10/10							
Amm N2/Tot Ammonia as NH_3*	<0.2	<0.2	<0.2	<0.2	<0.2					<0.2	mg/l	TM038W
Electrical Conductivity* @25°C	~	~	~	484	496					<100	µS/cm	TM28/PM11
Chloride*	283.2	48.6	22.2	30.9	29.5					<0.3	mg/l	TM038W
pH*	7.29	7.21	7.30	7.68	7.77					<0.01	pH units	TM073
Potassium - dissolved*	0.7	2.4	0.9	~	~					<0.1	mg/l	TM 030W
Sodium - dissolved*	103.9	16.9	10.3	~	~					<0.1	mg/l	TM 030W
EPH (C8-C40) (dissolved) * SO	<10	<10	<10	~	~					<10	µg/ l	TM5/PM9
Total Oxidised Nitrogen as N*	3.90	3.14	3.31	~	~					<0.05	mg/l	TM038W
Total Solids	665	382	312	~	~					<5	mg/l	TM020W
Aluminium - dissolved *	<20	<20	<20	~	~					<20	µg/l	TM 030W
Mercury - dissolved *	<1	<1	<1	~	~					<1	µg/l	TM 030W
Zinc - dissolved *	14	<3	3	~	~					<3	µg/l	TM 030W
Nickel - dissolved *	<2	<2	<2	~	~					<2	µg/l	TM 030W
BOD settled	~	~	~	<1	<1					<1	mg/l	TM058W
Total Suspended Solids	~	~	~	<10	<10					<10	mg/l	TM037W
Dissolved Oxygen	~	~	~	9	8					<1	mg/l	TM059
TOC	4	3	3	~	~					<2	mg/l	TM060W

All solid results are expressed on a dry weight basis unless stated otherwise.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

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As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples. All samples are treated as groundwaters and analysis performed on settled samples unless we are instructed otherwise.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any analysis that may be compromised highlighted on your schedule/ report by the use of a symbol.

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Fax: +44 (0) 1244 833781

WYG Ireland
Unit 2 University Technology Centre
Curraheen Road
Cork

No.4225

Attention :	Donal Hogan
Date :	31st December 2010
Your reference :	CEO 7628
Our reference :	Test Report 10/5782
Location :	
Date samples received :	14th December 2010
Status :	Final Report
Issue :	1

Five samples were received for analysis on 14th December 2010 which was completed on 31st December 2010. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced.
All interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

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J W Farrell- Jones CChem FRSC
Chartered Chemist

Jones Environmental Laboratory

Client Name:	WYG Ireland	Report :	Liquids
Reference:	CEO 7628		
Location:			
Contact:	Donal Hogan	**Liquids/products:** V=40ml vial, G=glass bottle, P=plastic bottle	
JE Job No.:	10/5782	$H=H_2SO_4$, Z=ZnAc, N=NaOH, HN=HNO_3	

J E Sample No.	1-5	6-10	11-14	15-19	20-24						LOD	Units	Method No.
Sample ID	BH-1	BH-2	BH-3A	WSP-1	WSP-2								
Depth	-	-	-	-	-								
COC No / misc													
Containers	V,V,H,P,G	V,V,H,P,G	V,H,P,G	V,V,H,P,G	V,V,H,P,G								
Sample Date	13/12/10	13/12/10	13/12/10	13/12/10	13/12/10								
Sample Type	Water	Water	Water	Water	Water								
Batch Number	1	1	1	1	1								
Date of Receipt	14/12/10	14/12/10	14/12/10	14/12/10	14/12/10								
Amm N/Tot Ammonia as NH3*	<0.2	<0.2	<0.2	<0.2	<0.2						<0.2	mg/l	TM038W
Electrical Conductivity* @25°C	997	555	463	430	441						<100	µS/cm	TM28/PM11
Chloride*	194.0	51.4	23.5	30.8	29.7						<0.3	mg/l	TM038W
pH*	7.26	7.41	7.61	8.20	8.25						<0.01	pH units	TM073
Potassium - dissolved*	0.8	1.9	0.7	~	~						<0.1	mg/l	TM 030W
Sodium - dissolved*	9.0	14.7	64.6	~	~						<0.1	mg/l	TM 030W
EPH (C8-C40) (dissolved) *SS	<10	<10	<10	~	~						<10	µg/l	TM5/PM9
Total Oxidised Nitrogen as N*	6.18	7.61	8.59	~	~						<0.05	mg/l	TM038W
TOC	11	13	12	~	~						<2	mg/l	TM060W
Total Solids	626	352	272	~	~						<5	mg/l	TM020W
Aluminium - dissolved *	<20	<20	<20	~	~						<20	µg/l	TM 030W
Mercury - dissolved *	<1	<1	<1	~	~						<1	µg/l	TM 030W
Zinc - dissolved *	<3	<3	28	~	~						<3	µg/l	TM 030W
Nickel - dissolved *	<2	<2	<2	~	~						<2	µg/l	TM 030W
BOD settled	~	~	~	1	<1						<1	mg/l	TM058W
Total Suspended Solids	~	~	~	61	<10						<10	mg/l	TM037W
Dissolved Oxygen	~	~	~	9	9						<1	mg/l	TM059

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Appendix 3:

Air monitoring summary.

Air emissions monitoring:

Acid gas scrubber HCL emissions (AGS1)

Date	26/01/10	30/06/10	07/10/10	29/12/10
Results Range 1-20 ppm	< 1ppm	< 1ppm	< 1 ppm	< 1 ppm

Wet scrubber/carbon filter HCL emissions (WSCF1)

Date	26/01/10	30/06/10	07/10/10	29/12/10
Results Range 1-20 ppm	< 1ppm	< 1 pmm	< 1 ppm	< 1 ppm

Wet scrubber/carbon filter VOC emissions (WSCF2)

Date	26/01/10	30/06/10	07/10/10	29/12/2010
Results Range 0-7000mg/m3	0.1 g/hr	3.2 g/hr	6.4 g/hr	2.0 g/hr

Wet scrubber/carbon filter VOC emissions (AGS1)

Date	21/03/2009	30/06/10	07/10/10	29/12/10
Results Range 0-7000mg/m3	7.9g/hr	0.03 g/hr	1.19 g/hr	None detected

Appendix 4:

Environmental Management programme

Veolia Environmental Services Technical Solutions Ltd.
Environmental Objectives and Targets 2011

•Reduction of resource usage

Target:Reduce consumption of activated carbon by 10%- Target date End 2012
Target: Reduce electricity use by 10% - Target date End 2012
Target: Identify opportunities to reduce water usage -Target date End 2012
Target: Increase quantities of sludges from disposal to recovery by 10%-Target date End 2012
Target: Introduce shredding of used PPE/packaging for reuse as SRF- Target date End 2012

•Diversion of waste disposal/resue abroad to national options

Target: Reduce export of waste by 10% - target date end 2012

•Reduction of waste retention time

Target: Elimination of waste on site greater than 6 months

Review of 2010 targets:

Programme reference: Env 01
Status: Ongoing

Programme reference: Env 02
Status: Ongoing

Programme reference: Env 03
Status: Ongoing

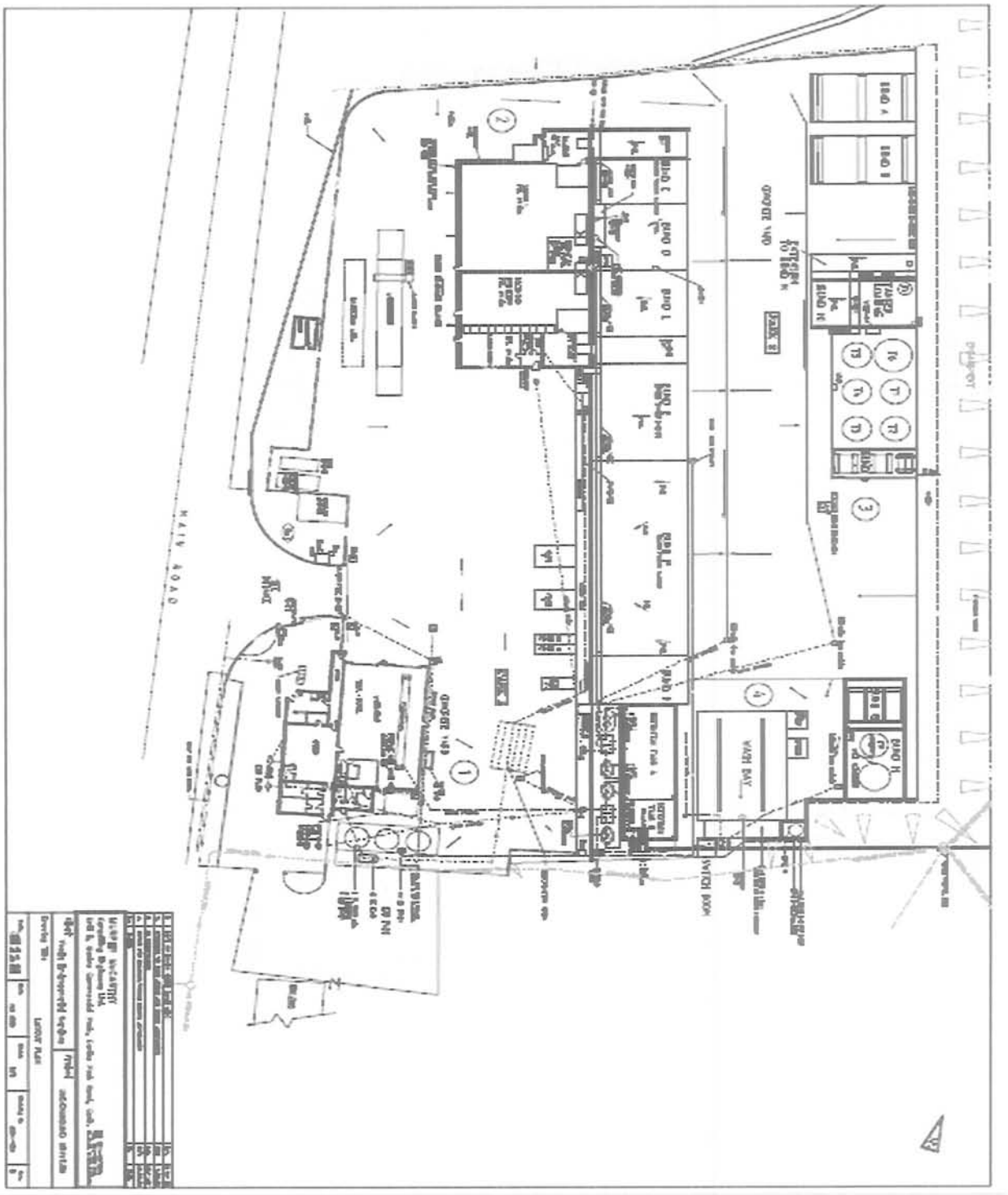
Programme reference: Env 04
Status: Complete

Program reference: Env 05
Status: Ongoing

Program reference: Env 06
Status: Ongoing

Appendix 5:

Site map.


MAIN ROAD
WASH BAY
SWITCH ROOM

Appendix 6:

ELRA/CRAMP

ENVIRONMENTAL LIABILITY RISK ASSESSMENT

PREPARED FOR

VEOLIA ENVIRONMENTAL SERVICES TECHNICAL SOLUTIONS
CORRIN
FERMOY
CO. CORK

BY
THISILDOUS CONSULTING
(DR. NICK VERNON)
FAIRHOPE
SARNIA CLOSE
CROSSHAVEN
CORK
021 4833628
087 2779362 (Mobile)
thisildous@eircom.net

19 OCTOBER, 2010

TABLE OF CONTENTS

1. INTRODUCTION

Condition 12 of Veolia Environmental Services Technical Solutions Ltd (VESTS) Waste Licence (W0050-2) contains the following clause:

12.2.2 The licensee shall arrange for the completion, by an independent and appropriately qualified consultant, of a comprehensive and fully costed Environmental Liabilities Risk Assessment (ELRA), which addresses the liabilities from past and present activities. The assessment shall include those liabilities and costs identified in Condition 10 for execution of the RMP/CRAMP. A report on this assessment shall be submitted to the Agency for agreement within twelve months of date of grant of this licence. The ELRA shall be reviewed as necessary to reflect any significant change on site, and in any case every three years following initial agreement: review results are to be notified as part of the AER.

This report details the risk assessment process and results. Attached, as Appendix 1, is the revised Closure, Restoration, and Aftercare Management Plan (CRAMP) for the facility. The tasks carried out were:

Chapter	
2	Initial Screening and Operational Risk Assessment
3	Risk Identification
4	Assessment Of Identified Risks
5	Identification and Assessment of Risk Mitigation
6	Development of A Risk Management Programme
7	Assessment of Unknown Environmental Liabilities
8	Financial Provisions

This assessment is based on the scenario of an accident occurring that forces the part or full closure of the facility and the environmental remediation measures required to restore the area to a safe, clean condition. It does not consider the costs of reconstruction of the facility so that operations can continue. The CRAMP details and costs the steps required to render the facility safe and clean following closure for reasons not related to an environmental incident, for example as a result of commercial considerations.

The VESTS facility is a Hazardous Waste Transfer Station, occupying 3.8 Ha at Corrin, Fermoy, Co. Cork.

The site was formerly owned by AVR-Safeway Ltd., and was purchased by Veolia in 2008. Veolia Environmental Services Technical Services Ltd, Corrin Fermoy is the Irish hazardous waste arm of Veolia, a French based multinational company with aver 300,000 employees worldwide (85,000 in the environmental division) and with a consolidated revenue in 2009 of €34 billion.

The activities carried out on site are listed in Table 1. The principal activity is marked P.

Table 1: ACTIVITIES CARRIED OUT AS LISTED IN THE THIRD AND FOURTH SCHEDULES OF THE WASTE MANAGEMENT ACTS 1996 TO 2003			
THIRD SCHEDULE **Waste Disposal Activities**		**FOURTH SCHEDULE** **Waste Recovery Activities**	
7. Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination).		1. Solvent reclamation or regeneration.	
		2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).	
11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.		3. Recycling or reclamation of metals and metal compounds.	
12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.		4. Recycling or reclamation of other inorganic materials.	
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.		8. Oil re-refining or other re-uses of oil.	
		12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.	
		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.	P

The facility consists of the following:

- Warehouse containing 2 store rooms, decant room, and 2 loading bays
- On-site lab
- 3 Storage containers for segregated waste storage
- Wash bay used for bulking aluminium oxide (AlOx), and washing tanks and drums. Includes a water heating boiler
- Drum crushing and shredding machines
- Contaminated water storage tank (Bund H)
- Wash water storage tanks (3) (Bund H)
- Diesel and gas oil storage tanks (Bund K)
- Fuel blending facility (Bund R) and loading/unloading bay (Bund M)
- Storage for full containers lifted off trailers (Bunds A & B)
- Space for storage of clean empty containers and tanks
- Spaces for storage of full tanks and containers on trailers (Bunds C, D, E, F, P)
- Mobile container crane

2. INITIAL SCREENING AND OPERATIONAL RISK ASSESSMENT

The procedure of Chapter 2 of the Guidance Notes was carried out and the results are recorded in Table 2.

TABLE 2	AVR-SAFEWAY - INITIAL SCREENING AND OPERATIONAL RISK ASSESSMENT	
COMPLEXITY		**SCORE**
Licensed Activity: 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. (Throughput > 10,000 tpa)	G-5	5
ENVIRONMENTAL SENSITIVITY	**SCORE**	
Human Occupation - 50 – 250 m	2	
Groundwater - Overlying locally important aquifer - Groundwater vulnerability	1 1	
Sensitivity of Receiving Water - Class A	3	
Protected Ecological Sites > 1 km from protected site	0	
Air Quality and Topography - Intermediate terrain	1	
Sensitive Agricultural Receptors > 150 m from site	0	
TOTAL ENVIRONMENTAL SENSITIVITY	8	2
COMPLIANCE RECORD – - Good – no known contamination		1
OVERALL RISK SCORE		10
RISK CATEGORY		**Category 2**

The overall risk score was 10 indicating that the risk, as determined by this methodology is moderate, falling into Category 2. However because of clause 12.2.2 of the license W0050-2 an Environmental Liability Risk Assessment has been prepared.

3. RISK IDENTIFICATION

All operational processes at VES were listed and the potential hazards associated with each were recorded in Table 3.

TABLE 3	ENVIRONMENTAL RISKS IDENTIFIED	
RISK NO.	**PROCESS**	**POTENTIAL HAZARDS**
1	Storage in Warehouse	Fire
2	Storage in Warehouse	Spill
3	Tanker Storage in Yard	Fire
4	Tanker Storage in Yard	Major Spill
5	Drum Washing Crushing & Shredding	Small scale spills etc.
6	AlOx Bulking	Spill of AlOx
7	Mixing and Blending	Fire
8	Mixing and Blending	Major Spill
9	Mixing and Blending	Explosion
10	Tank storage	Leak of tank without fire

4. ASSESSMENT OF IDENTIFIED RISKS

The various risk identified in Chapter 2 were further analysed to determine both the likelihood of occurrence and the potential severity of such an even occurring. The risks were assessed using the classifications recorded in Tables 4.1 and 4.2 in the Guidance Notes. These tables are reproduced as Tables 4.1 and 4.2 below. In Table 4.2 numerical amounts for the cost of the environmental remediation for each class of risk have been defined.

TABLE 4.1 RISK CLASSIFICATION TABLE - OCCURRENCE

OCCURRENCE

RATING	CATEGORY	DESCRIPTION	LIKELIHOOD OF OCCURANCE
1	Very Low	Very low chance of hazard occurring in 30 year period	0 - 5 %
2	Low	Low chance of hazard occurring in 30 year period	5 - 10 %
3	Medium	Medium chance of hazard occurring in 30 year period	10 - 20 %
4	High	High chance of hazard occurring in 30 year period	20 - 50 %
5	Very High	More than 50% chance of hazard occurring in 30 year period	> 50 %

TABLE 4.2 RISK CLASSIFICATION TABLE - OCCURRENCE

SEVERITY

RATING	CATEGORY	DESCRIPTION	COST OF REMEDIATION
1	Trivial	No damage of negligible change to the environment	< €1,000
2	Minor	Minor Impact/ localised or nuisance	< €10,000
3	Moderate	Moderate damage to environment	< €100,000
4	Major	Severe damage to local environment	< €1,000,000
5	Massive	Massive damage to large area, irreversible in medium term	< €1,000,000

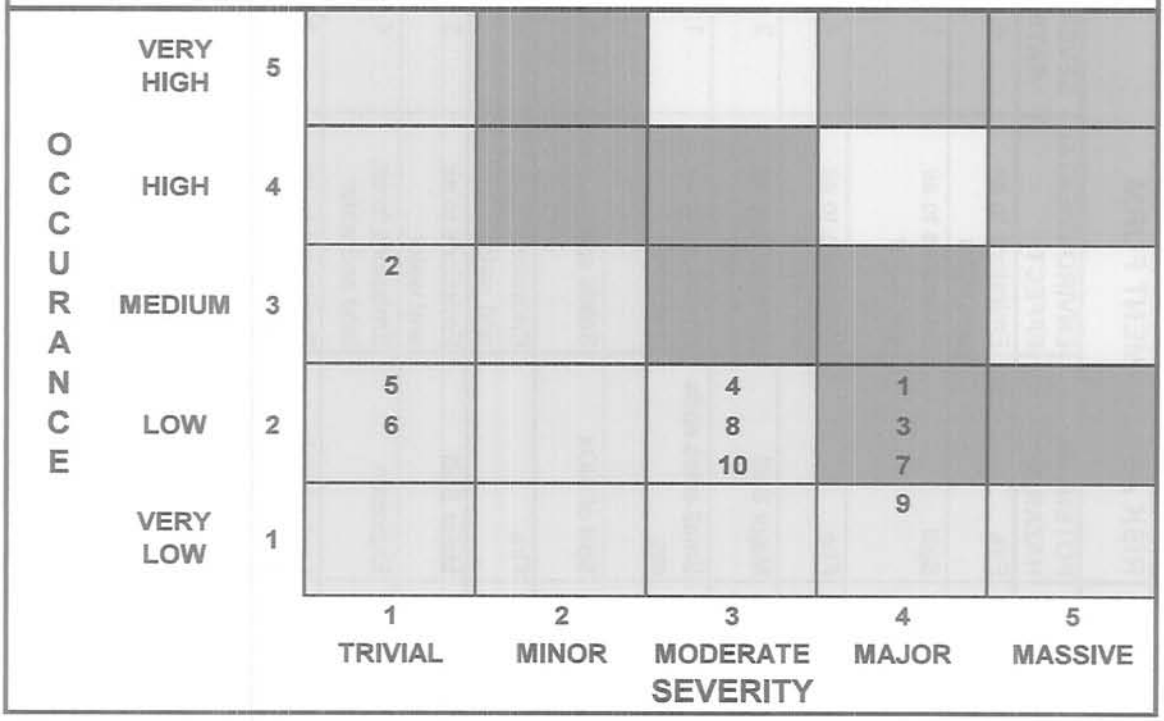
The remediation costs only involve the cost of environmental remediation, including the clean-up and demolition of damaged structures. It does not include the cost of reconstruction of any damaged facilities.

For the VES site the risk assessment is carried out on the basis of the as built and currently operated configuration, including all the mitigation methods already in place. The results of the assessment are recorded in Table 4.3, summarised in Table 4.4 and in matrix form in Figure 4.5.

TABLE 4.3		RISK ASSESSMENT FORM						
RISK NO.	PROCESS	POTENTIAL HAZARDS	ENVIRONMENTAL EFFECT	SEVERITY RATING	BASIS OF SEVERITY	OCCURANCE RATING	BASIS OF OCCURANCE	RISK SCORE
1	Storage in Warehouse	Fire	Emissions to air and water	4	Major Impact on the environment	2		8
2	Storage in Warehouse	Spill	Emissions to air and water	1	Small scale < 1 m3 - Easily contained Double containment	3	Many handling steps	3
3	Tanker Storage in Yard	Fire	Emissions to air and water	4	Major Impact on the environment	2		8
4	Tanker Storage in Yard	Major Spill	Emissions to air and water	3	Each load < 30 m3	2	Requires rupture of tank	6
5	Drum Washing Crushing & Shredding	Small scles spills etc.	Emissions to air and water	1	Nuisance - Odour	2	Infrequent operation Requires many levels of failure	2
6	AlOx Bulking	Spill of AlOx	Solids spill	1	Indoors - solid easily contained	2	Max spill = 6 tonnes	2
7	Mixing and Blending	Fire	Emissions to air and water	4	Major	2	All tanks regularly inspected	8
8	Mixing and Blending	Major Spill	Emissions to air and water	3	Potential for ground contamination	2	All tanks regularly inspected	6
9	Mixing and Blending	Explosion	Emissions to air, land and water	4	Major	1	Designed to highest safety standards	4
10	Tank storage	Leak of tank without fire	Emissions to air and water	3	Potential for ground contamination	2	All tanks regularly inspected	6

TABLE 4.4		RISK ASSESSMENT REGISTER				
RISK NO.	PROCESS	POTENTIAL HAZARDS	ENVIRONMENTAL EFFECT	SEVERITY RATING	OCCURANCE RATING	RISK SCORE
1	Storage in Warehouse	Fire	Emissions to air and water	4	2	8
3	Tanker Storage in Yard	Fire	Emissions to air and water	4	2	8
7	Mixing and Blending	Fire	Emissions to air and water	4	2	8
4	Tanker Storage in Yard	Major Spill	Emissions to air and water	3	2	6
8	Mixing and Blending	Major Spill	Emissions to air and water	3	2	6
10	Tank storage	Leak of tank without fire	Emissions to air and water	3	2	6
9	Mixing and Blending	Explosion	Emissions to air, land and water	4	1	4
2	Storage in Warehouse	Spill	Emissions to air and water	1	3	3
5	Drum Washing Crushing &	Small scles spills etc.	Emissions to air and water	1	2	2
6	AlOx Bulking	Spill of AlOx	Solids spill	1	2	2

FIGURE 4.5 **RISK MATRIX**



In the matrix the risks are graded by colour, red the most serious, pale blue the least. All the risks in Table 4.3 are located in the pale green (low risk) regions except the fire risks (1, 3 and 7).

Thus the principal risks of concern are fires. A considerable amount of flammable material is stored on site.

5. IDENTIFICATION AND ASSESSMENT OF RISK MITIGATION

Each risk has been examined to see what mitigation methods have been implemented. These are listed in Table 5.

TABLE 5 MITIGATION MEASURES IN PLACE

RISK	RECEPTORS	ROUTE OF CONTAMINATION	MITIGATION
FIRE			
	Air Surface waters Groundwater	Smoke and toxic etc vapours Run off of contaminated fire water Seepage of contaminated fire water	Removal of ignition sources Fire suppression systems Fire water containment Effective fire detection equipment On site fire fighting equipment
EXPLOSION			
	Air Surface waters Groundwater	Smoke and toxic etc vapours Run off of contaminated water Seepage of contaminated water	Removal of ignition sources Inert atmosphere in tanks All equipment ATEX rated Designed to latest standards
SPILL			
	Ground water Surface Waters Air	Seepage to ground Run-off to stream Evaporation of spilled material	All operations carried out in bunds Containment via oil/grit interceptors All site areas paved and curbed Detailed procedures and training ll bunds tested regularly
ON-SITE VEHICLE ACCIDENT			
Spill Fire	Ground water Surface Waters Air	See above See above See above	Enforced speed limit Reversing/movement sirens Traffic management plan

No other mitigation methods have been identified as being necessary to significantly reduce the risk of an incident occurring or to reduce the remediation costs following such an incident.

NOTE ON THE FUEL BLENDING FACILITY: The facility was designed in 2006 to comply with the latest ATEX regulations. A full Hazard and Operations Analysis was carried out. In each scenario 3 levels of safety protection were installed. For example, to prevent explosions care was taken to minimise the risk of ignition through careful design (top loading via dip pipes, electrical continuity, all ATEX approved equipment etc), removing oxygen through the use of an inert (nitrogen) atmosphere, and the installation of explosion vents.

6. DEVELOPMENT OF A RISK MANAGEMENT PROGRAMME

Veolia Environmental Services Technical Services Ltd has a risk management programme in operation. It includes the following points:

- A risk assessment is carried out on each activity carried out on site.
- Each piece of equipment or area of the site is assigned to a manager and to an "Area Owner", who are responsible for all operations and maintenance related to it.
- Regular tests of emergency response procedures and equipment are carried out.

AREA	AREA OWNER	MANAGER
Offices	Operations Coordinator	Financial Controller
Reception	Receptionist	Financial Controller
Car park	Receptionist	Financial Controller
Warehouse	Site Forman	Operations Controller
Weighbridge	Site Forman	Operations Controller
Forklifts and hut	Site Forman	Operations Controller
Bunds M & R Fuel Blending	Lead Operator - FB	Operations Controller
Bund H Water Tank	Lead Operator - FB	Operations Controller
Crane	Lead Operator - FB	Operations Controller
Wash bay	Site Forman	Operations Controller
Holding tanks etc.	Lab Manager	Lab Manager
Laboratory	Lab Manager	Lab Manager
Shredder and compactor	Site Forman	Operations Controller
Diesel tanks and pumps	Fleet Manager - SCT	Operations Controller
Emergency Equipment	Safety Officer	Operations Controller
Back up generator	Site Forman	Operations Controller
Air compressor	Site Forman	Operations Controller
Steam Generator	Site Forman	Operations Controller
Diesel fire pump	Site Forman	Operations Controller
Maintenance Shop	Site Forman	Operations Controller
Rest of site	Site Forman	Operations Controller

FB = Fuel blending
SCT = South Coast Transport (When the South Coast Transport vehicle servicing facility moves off site in the first half of 2011, the diesel tanks and pumps will become the responsibility of the site foreman, under the management of the Operations Controller.

7. QUANTIFICATION OF UNKNOWN ENVIRONMENTAL LIABILITIES

The known liabilities for clean-up and decommissioning of the facility have been calculated and are recorded in Appendix 1, the CRAMP. This section deals with the unknown liabilities.

A Median Probability financial model has been employed. Each potential risk has two characteristics, the probability of it occurring and the financial implication (cost of remediation) if it occurred (See Tables 4.1 and 4.2). By multiplying these together one obtains the cost of addressing the unknown liability. However each probability and clean-up cost can only be estimated as a range. To obtain a reasonable cost a Median Probability Financial Model has been employed for this ELRA. The median probability and median clean up cost are calculated for each risk and, when multiplied together give the most likely cost of addressing the unknown liabilities. The results are given in Table 7.1. The estimated cost of the unknown liabilities on this basis is €162,400.

For comparison the best median and lowest cases are recorded in Table 7.2. The worst case scenario (by multiplying the highest probability by highest remediation cost) would give a cost of €380,400, whilst the best case scenario (by multiplying the lowest probability by lowest remediation cost) would be €21,000.

TABLE 7.1		MOST LIKELY SCENARIO FINANCIAL MODEL									
RISK NO.	PROCESS	OCCURANCE RATING	OCCURANCE RANGE			SEVERITY RATING	COST RANGE		MEDIAN PROBABILITY	MEDIAN SEVERITY	MEDIAN RISK SCORE
							MIN	MAX			
1	Storage in Warehouse	2	5%	-	10%	4	€100,000	€1,000,000	7.5%	€550,000	€41,250
3	Tanker Storage in Yard	2	5%	-	10%	4	€100,000	€1,000,000	7.5%	€550,000	€41,250
7	Mixing and Blending	2	5%	-	10%	4	€100,000	€1,000,000	7.5%	€550,000	€41,250
9	Mixing and Blending	1	5%	-	5%	4	€100,000	€1,000,000	5.0%	€550,000	€27,500
4	Tanker Storage in Yard	2	0%	-	10%	3	€10,000	€100,000	5.0%	€55,000	€2,750
8	Mixing and Blending	2	5%	-	10%	3	€10,000	€100,000	7.5%	€55,000	€4,125
10	Tank storage	2	5%	-	10%	3	€10,000	€100,000	7.5%	€55,000	€4,125
2	Storage in Warehouse	3	10%	-	20%	1	€0	€1,000	15.0%	€500	€75
5	Drum Washing Crushing & Shredding	2	5%	-	10%	1	€0	€1,000	7.5%	€500	€38
6	AlOx Bulking	2	5%	-	10%	1	€0	€1,000	7.5%	€500	€38
TOTAL											€162,400

TABLE 7.2 RISK SCORES				
RISK NO.	PROCESS	HIGHEST RISK SCORE	MEDIAN RISK SCORE	LOWEST RISK SCORE
1	Storage in Warehouse	€100,000	€41,250	€5,000
3	Tanker Storage in Yard	€100,000	€41,250	€5,000
7	Mixing and Blending	€100,000	€41,250	€5,000
9	Mixing and Blending	€50,000	€27,500	€5,000
4	Tanker Storage in Yard	€10,000	€2,750	€0
8	Mixing and Blending	€10,000	€4,125	€500
10	Tank storage	€10,000	€4,125	€500
2	Storage in Warehouse	€200	€75	€0
5	Drum Washing Crushing & Shredding	€100	€38	€0
6	AlOx Bulking	€100	€38	€0
	TOTAL	€380,400	€162,400	€21,000

8. FINANCIAL PROVISIONS

Veolia Environmental Services Technical Services Ltd carries the following insurance:

INSURANCE	COVER
Employers liability	**Stg £25 million**
Public/Product Liability (Veolia Environmental Services Technical Services Ltd.)	**€5 million**
Public/Product Liability Excess (Parent Company)	**€13 million**
Environmental/Pollution Liability	**Up to €100 million in 2 layers**

To cover the unknown liabilities, a financial bond has been set up by Veolia Environmental Services Technical Services Ltd to cover any costs associated with the decommissioning and aftercare of the Waste Transfer Station. This is re-negotiated annually and the final wording and amount are approved by the Environmental Protection Agency. The terms of the bond are confidential. Details of the bond are furnished to the Agency annually.

APPENDIX – CLOSURE, RESTORATION, AFTERCARE MANAGEMENT PLAN

CLOSURE, RESTORATION AND AFTER-CARE MANAGEMENT PLAN

PREPARED FOR

VEOLIA ENVIRONMENTAL SERVICES TECHNICAL SOLUTIONS LTD
CORRIN
FERMOY
CO. CORK

BY
THISILDOUS CONSULTING
(DR. NICK VERNON)
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October 19, 2010

INTRODUCTION

Thisildous Consulting was retained by Veolia Environmental Services Technical Solutions Ltd. (VESTS) to prepare an Environmental Liabilities Risk Assessment (ELRA) for their facility at Corrin, Fermoy, Co Cork, in accordance with Condition 12.12.2 of their Environmental protection Agency Waste License (W0050-2). This Closure, Restoration and After-care Management Plan (CRAMP) for the facility has been prepared in accordance with Condition 10 of their Environmental protection Agency Waste License (W0050-2).

The relevant conditions of said license are:

10.1 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the site in the licensed activity, the licensee shall, to the satisfaction of the Agency, decommission, render safe or remove for disposal/recovery, any soil, sub-soils, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution.

10.2 Residuals Management Plan:

10.2.1 The licensee shall revise, to the satisfaction of the Agency, its detailed and costed plan for the decommissioning or closure of the site or part thereof. This plan shall be submitted to the Agency for agreement within six months of the date of grant of this licence.

10.2.2 The plan shall be reviewed annually and proposed amendments thereto notified to the Agency for agreement as part of the AER. No amendments may be implemented without the agreement of the Agency.

10.3 The Residuals Management Plan shall include as a minimum, the following:-

10.3.1 A scope statement for the plan.

10.3.2 The criteria, which define the successful decommissioning of the activity or part thereof, which ensures minimum impact on the environment.

10.3.3 A programme to achieve the stated criteria.

10.3.4 Where relevant, a test-programme to demonstrate the successful implementation of the decommissioning plan.

10.3.5 Details of costing for the plan and the financial provisions to underwrite those costs.

10.4 A final validation report to include a certificate of completion for the residuals management plan, for all or part of the site as necessary shall be submitted to the Agency within three months of execution of the plan. The licensee shall carry out such tests, investigations or submit certification, as requested by the Agency, to confirm that there is no continuing risk to the environment.

The VESTS Facility

The VESTS facility consists of a 3.8 Ha site. It is completely paved and is enclosed with a 2 m high wall or fence. The site consists of offices and associated car park, a tanker washing facility, areas for drum crushing and shredding, a warehouse containing 2 stores, two loading bays and a decant area, a weighbridge and associated hut, bunded areas for storing tanks or boxes mounted on skellys, bunded areas for storing tanks lifted off skellys, a bunded fuel blending facility comprising 7 tanks and associated pumps piping etc. and a separate bunded loading/unloading area, and bunded tanks for the storage of contaminated water, and run-off water The site is completely paved with 35 Newton reinforced concrete with an integral lip to retain fire water of spills. All runoff passes through oil/grit interceptors and collected in retention tanks for testing before being emitted to the nearby stream. A plan of the facility is attached as Appendix 1.

VESTS Ltd also owns a number of specialised containers for the transport of asbestos, aluminium oxide (AlOx) and waste water treatment sludge.

Scope of the CRAMP

For the purpose of this CRAMP it is assumed that the site is to be cleared of all hazardous materials, decontaminated if necessary and specialised equipment removed. Above-ground bunds would be demolished, but the buildings, weighbridge, fencing etc. would be left intact for reuse by another entity, for example by a logistics provider. It is not proposed to fill the sloped bunds or the retention tanks. The oil and grit interceptors would be emptied and cleaned.

The areas of the site occupied by Southcoast Transport Ltd. are not covered in this CRAMP. In particular this does not include the workshop area.

Criteria of Successful Completion

The successful completion of the CRAMP will be the removal of all sources of potential pollution form the site. A detailed inspection of the site will be made as part of the preparation of the validation report.

In addition ground and surface water runoff will be analysed for pollutants.

RESIDUALS MANAGEMENT PLAN

The Residuals Management Plan will cover the following activities:

1.REMOVAL OF HAZARDOUS MATERIALS

Table 2.A.1 lists the various locations of materials stored on site and the possible UN classes. Table 2.A.2 lists the maximum amounts of materials on site at any one time, proposed disposal/recovery sites and the costs of transport to and disposal/recovery at those sites. Table 2.A.2 also includes estimates for non-hazardous wastes, the cost of administering, packing and loading the wastes.

The packed waste listed in Table 2.A.2 includes all laboratory chemicals which will be removed, packed and sent for disposal to Veolia EP (See Table 2.A.3). The contents of the oil and grit interceptors are also included. Disposal/Recovery sites are listed in Table 2.A.3.

TABLE 2.A.1	VESTS LTD - HAZARDOUS MATERIALS STORAGE PLAN					
	STORAGE AREA	HAZARDOUS MATERIAL CLASSES				
INDOOR	Store 1	3	6	8	4.1	2.2
	Store 2	6	8	5.1	4.3	
	Self contained storage	4.2				
	Self contained storage	5.2				
	Self contained storage	Not specified - Isolation				
OUTDOOR	Tanks	3	6	8	4.1	2.2
	Tanks	6	8	4.3	5.1	
	Bund M - Fuel Blending	3	6			
	Bund R - Fuel Blending	3	6			
	Bund K - Diesel & Gas Oil	3				
	Bund H - Washings	3	Water with trace organics			
	Bund N - Gas Oil	3				
	Bund P - Tanker or box parking	Not specified - special loads				
	Bund F - Tanker or box parking	3	6	8	4.1	2.2
	Bund E - Tanker or box parking	6	8	4.3	5.1	
	Bund D - Tanker parking	Not specified - Decanting etc.				
	Bund C - Tanker parking	3	6	4.1	2.2	

TABLE 2.A.3	DISPOSAL/RECOVERY FACILITIES			
FACILITY (TABLE 2.A.2)	FACILITY NAME	ADDRESS	LICENSE	WASTES RECEIVED
AGR	AGR Zentral Deponie	Wiedehopfstr. 30, DE-45892 Geslsenkichen, Germany	E17016018	Asbestos and other hazardous solids (D1)
SAVA	SAVA GmbH& Co	Osterweute 1, DE-25541 Brunsbuttel, Germany	A51V00605/ A51G00508	Solid and liquid wastes (D10)
Veolia EP	Veolia ES (UK) Ltd	Bridges Rd., Ellesmere Port, Cheshire, CH65 4EQ, UK	BS5193IE	Solid and liquid wastes (D10)
Rilta	Rilta Environmental Limited	Block 402, Grant's Drive, Greenogue Business Park, Rathcoole, County Dublin	W0192-03	Asbestos (D1)
Lagan	Lagan Cement Limited	Killaskillen, Kinnegad, County Meath, Meath	P0487-05	AlOx sludge
Geocycle	Geocycle	Rue de Courriere 49, ZIB de Feluy, BE-7181, Seneffe, Belgium	38.152/BP	Solvents (R1)
SES	Shannon Environmental Services Ltd	Smithstown Ind. Estate, Shannon, Co. Clare	W0040-01	Acids and bases
Returnbatt	Returnbatt Ltd	Unit 35, Kildare Enterprise Centre, Kildare	W0105-01	Batteries
ENVA Portlaoise	ENVA Ireland Ltd.	Clonminan Ind. Estate, Portlaoise Co. Laois	W0184-01	Oils
KMK	KMK Metals Recycling Ltd.	Cappincur Industrial Estate, Daingean Road, Tullamore, Co Offaly	W-0113-3	WEE , flourescent tubes, etc
Greenstar	Greenstar Environmental Services Limited	Forge Hill, Kinsale Road, Cork	W0173-01	Canteen etc.
Cork Metal	Cork Metal Co Ltd	Dublin Hill, Cork	CKWMC 26/01	Scrap metal

The material stored on site in tanks comprises all the liquid waste that is not used for fuel blending. This material is either too good, being of a sufficient quality for recovery, or too bad, containing high levels of water or halogens. Generally about 80% of the material is for recovery (R-1 or 2), the rest being for disposal (D10) or physico chemical treatment (D-9).

Material for recovery is generally sold for a credit, whilst material for disposal can be very expensive. An analysis of the various streams stored at various times indicates that the average cost of disposal or recovery is about €100/tonne.

Appendix 7:

PRTR Data

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	07 04 04	Yes	105.30	other organic solvents, washing liquids and mother liquids	R1	M	Weighed	Abroad	ATM,298105 NB 930607.002/4	Seaport 15,Vlasweg 12,Moerdijk,NL 4782,Netherlands	ATM,298105 NB 930607.002/4,Seaport M152,Vlasweg 12,Moerdijk,NL-4782,Netherlands	Seaport M152,Vlasweg 12,Moerdijk,NL-4782,Netherlands
To Other Countries	07 05 04	Yes	7.86	other organic solvents, washing liquids and mother liquors	R13	M	Weighed	Abroad	ATM,298105 NB 930607.002/4	Seaport 15,Vlasweg 12,Moerdijk,NL 4782,Netherlands	ATM,298105 NB 930607.002/4,Seaport M152,Vlasweg 12,Moerdijk,NL-4782,Netherlands	Seaport M152,Vlasweg 12,Moerdijk,NL-4782,Netherlands
To Other Countries	07 05 13	Yes	34.739	solid wastes containing dangerous substances	R13	M	Weighed	Abroad	ATM,298105 NB 930607.002/4	Seaport 15,Vlasweg 12,Moerdijk,NL 4782,Netherlands	ATM,298105 NB 930607.002/4,Seaport M152,Vlasweg 12,Moerdijk,NL-4782,Netherlands	Seaport M152,Vlasweg 12,Moerdijk,NL-4782,Netherlands
To Other Countries	15 02 02	Yes	49.581	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	R1	M	Weighed	Abroad	ATM,298105 NB 930607.002/4	Seaport 15,Vlasweg 12,Moerdijk,NL 4782,Netherlands	ATM,298105 NB 930607.002/4,Seaport M152,Vlasweg 12,Moerdijk,NL-4782,Netherlands	Seaport M152,Vlasweg 12,Moerdijk,NL-4782,Netherlands
To Other Countries	20 01 27	Yes	66.662	paint, inks, adhesives and resins containing dangerous substances	R12	M	Weighed	Abroad	ATM,298105 NB 930607.002/4	Seaport 15,Vlasweg 12,Moerdijk,NL 4782,Netherlands	ATM,298105 NB 930607.002/4,Seaport M152,Vlasweg 12,Moerdijk,NL-4782,Netherlands	Seaport M152,Vlasweg 12,Moerdijk,NL-4782,Netherlands
To Other Countries	06 01 06	Yes	22.138	other acids	D9	M	Weighed	Abroad	Bredox,02/14323	Wetering,19,Weert,NL6002-SM,Netherlands	Bredox,02/14323,Wetering,7,Weert,NL6002-SM,Netherlands	Wetering,7,Weert,NL6002-SM,Netherlands
Within the Country	15 01 04	No	140.2	metallic packaging	R4	M	Weighed	Offsite in Ireland	Cork Metal,CKWMC 26/.1	Dublin Hill,.,Cork,.,Ireland		
To Other Countries	07 05 04	Yes	344.13	other organic solvents, washing liquids and mother liquors	R2	M	Weighed	Abroad	DOW Haltermann,AG8420/AR7343	Cargo Fleet road,.,Middlesborough,TS3 6AF,United Kingdom	DOW Haltermann,AG8420/AR7343,Cargo fleet road,.,Middlesborough,TS3 6AF,United Kingdom	Cargo fleet road,.,Middlesborough,TS3 6AF,United Kingdom
Within the Country	13 02 08	Yes	0.576	other engine, gear and lubricating oils	D9	M	Weighed	Onsite in Ireland	ENVA,w0184-01	Cloamin,.,Portlaoise,.,Ireland		
Within the Country			21.92		D9	M	Weighed	Onsite in Ireland	ENVA,w0184-01	Cloamin,.,Portlaoise,.,Ireland		
To Other Countries	07 05 01	Yes	166.76	aqueous washing liquids and mother liquors	R12	M	Weighed	Abroad	GVS,H19139480	Str 64,.,Mannheim,DE-68219,Germany	GVS,H19139480,Str 64,.,Mannheim,DE 68219,Germany	Str 64,.,Mannheim,DE 68219,Germany
Within the Country	16 02 13	Yes	3.9	discarded equipment containing hazardous components (16) other than those mentioned in 16 02 09 to 16 02 12	R4	M	Weighed	Offsite in Ireland	IMMARK LTD,WP 98099	Greenogue business park,.,Rathcoole,.,Ireland	IMMARK Ltd,WP 98099,Greenogue buisness park,.,Rathcoole,.,Ireland	Greenogue buisness park,.,Rathcoole,.,Ireland
To Other Countries	16 08 07	Yes	86.795	spent catalysts contaminated with dangerous substances	R4	M	Weighed	Abroad	Johnson Matthey,VP 3430BN	Orchard road,.,Royston,SG8 5HE,United Kingdom	Johnson matthey,VP 3430BN,Orchard road,.,Royston,SG8 5HE,United Kingdom	Orchard road,.,Royston,SG8 5HE,United Kingdom
To Other Countries	19 12 11	Yes	18.284	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances		M	Weighed	Abroad	KWA Ltd,56.8851.8.1.4004	Graft str,25,Kamp Lintfort,De 47475,Germany	KWA Ltd,56.8851.8.5.1.4044,Graft str,25,Kamp Lintfoirt,DE 47475,Germany	Graft str,25,Kamp Lintfoirt,DE 47475,Germany
Within the Country	07 05 14	No	298.46	solid wastes other than those mentioned in 07 05 13		M	Weighed	Offsite in Ireland	Lagan Cement Ltd,P0487-06	Kilaskillen,.,Kinnegad,.,Ireland		

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	07 05 10	Yes	58.192	other filter cakes and spent absorbents	R4	M	Weighed	Abroad	METABEL,10.811	Amperstr.,3,Deume,NL 5753,Netherlands	Metabel,10.811,Ampertstr,3, Deume,NL 5753,Netherlands	Ampertstr,3,Deume,NL 5753,Netherlands
To Other Countries	07 05 13	Yes	27.315	solid wastes containing dangerous substances	R4	M	Weighed	Abroad	METABEL,10.811	Amperstr.,3,Deume,NL 5753,Netherlands	Metabel,10.811,Ampertstr,3, Deume,NL 5753,Netherlands	Ampertstr,3,Deume,NL 5753,Netherlands
To Other Countries	16 08 02	Yes	35.601	spent catalysts containing dangerous transition metals (17) or dangerous transition metal compounds	R4	M	Weighed	Abroad	Nikelhutte,E12/1.0.006	Rudolf Breischeid Str,.,Sachsen,De 08280,Germany	Nikelhutte,E12/1.0.006,Rud olf Breischeid str,.,Sachsen,DE-08280,Germany	Rudolf Breischeid str,.,Sachsen,DE-08280,Germany
To Other Countries	15 01 10	Yes	14.353	packaging containing residues of or contaminated by dangerous substances	R3	M	Weighed	Abroad			Packcare Ltd,EPR/NP3695ZS,Gelderd rd,.,Leeds,LS12 6DL,United Kingdom	Gelderd rd,.,Leeds,LS12 6DL,United Kingdom
To Other Countries	07 05 01	Yes	569.0	aqueous washing liquids and mother liquors	D10	M	Weighed	Abroad	Pfizer Ltd,19449	Ramsgate rd,.,Sandwich,CT13 9NJ,United Kingdom	Pfizer Ltd,19449,Ramsgate road,.,Sandwich,CT13 9NJ,United Kingdom	Ramsgate road,.,Sandwich,CT13 9NJ,United Kingdom
To Other Countries Within the Country	07 05 04	Yes	845.325	other organic solvents, washing liquids and mother liquors	D10	M	Weighed	Abroad	Pfizer Ltd,19449	Ramsgate rd,.,Sandwich,CT13 9NJ,United Kingdom	Pfizer Ltd,19449,Ramsgate road,.,Sandwich,CT13 9NJ,United Kingdom	Ramsgate road,.,Sandwich,CT13 9NJ,United Kingdom
To Other Countries	10 10 99	No	32.396	wastes not otherwise specified	R1	M	Weighed	Abroad	Recyfuel,R.1.2/40/97/16	Zonig Industriel d'Ehein,.,Engis,BE 4480,Belgium		
To Other Countries	19 12 11	Yes	204.434	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	R1	M	Weighed	Abroad	Recyfuel,R.1.2/40/97/16	Zonig Industriel d'Ehein,.,Engis,BE 4480,Belgium		
To Other Countries	16 05 08	Yes	0.61	discarded organic chemicals consisting of or containing dangerous substances	D10	M	Weighed	Abroad	Remondis,C7D000000	Am Kanal,8,Bramsche,DE 49696,Germany	Remondis,C7D00000,Am Kanal,8,Bramsche,DE 49656,Germany	Am Kanal,8,Bramsche,DE 49656,Germany
To Other Countries	19 12 11	Yes	59.193	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	D10	M	Weighed	Abroad	Remondis,C7D000000	Am Kanal,8,Bramsche,DE 49696,Germany	Remondis,C7D00000,Am Kanal,8,Bramsche,DE 49656,Germany	Am Kanal,8,Bramsche,DE 49656,Germany
To Other Countries	19 01 13	Yes	36.96	fly ash containing dangerous substances	R5	M	Weighed	Abroad	Revatech,DDT10/MJ/MVR1. 2/05/2002/12	Rue d L'il Monsin,95,Liege,BE 4020,Belgium	Revatech,DDT35/MJ/MVR1. 2/05/12,Zoning Industrial d'Ehein,.,Engis,BE 4480,Belgium	Zoning Industrial d'Ehein,.,Engis,BE 4480,Belgium
Within the Country	06 01 06	Yes	5.011	other acids	D9	M	Weighed	Offsite in Ireland	RILTA,W0192-03	Greenogue business park,.,Rathcoole,.,Ireland	RILTA,W0162-03,Greenogue business park,.,Rathcoole,.,Ireland	Greenogue business park,.,Rathcoole,.,Ireland
To Other Countries	02 07 04	No	0.883	materials unsuitable for consumption or processing	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany		
To Other Countries	05 01 03	Yes	44.962	tank bottom sludges	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	06 02 05	Yes	88.767	other bases	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	07 01 04	Yes	88.567	other organic solvents, washing liquids and mother liquors	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	07 01 04	Yes	61.334	other organic solvents, washing liquids and mother liquors	R1	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	07 05 01	Yes	57.422	aqueous washing liquids and mother liquors	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany

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	07 05 03	Yes	75.723	organic halogenated solvents, washing liquids and mother liquors	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	07 05 04	Yes	44.427	other organic solvents, washing liquids and mother liquors	R1	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	07 05 04	Yes	106.456	other organic solvents, washing liquids and mother liquors	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	07 05 10	Yes	35.693	other filter cakes and spent absorbents	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	07 05 13	Yes	471.261	solid wastes containing dangerous substances	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	07 05 99	No	0.443	wastes not otherwise specified	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany		
To Other Countries	15 01 10	Yes	170.356	packaging containing residues of or contaminated by dangerous substances	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	15 02 02	Yes	117.999	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	15 02 03	No	1.036	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany		
To Other Countries	16 05 06	Yes	2.591	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	16 05 07	Yes	10.286	discarded inorganic chemicals consisting of or containing dangerous substances	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	16 05 08	Yes	10.98	discarded organic chemicals consisting of or containing dangerous substances	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	17 05 03	Yes	3.053	soil and stones containing dangerous substances	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	19 02 09	Yes	8.34	solid combustible wastes containing dangerous substances	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	20 01 14	Yes	69.859	acids	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	20 01 14	Yes	2.981	acids	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	20 01 19	Yes	15.227	pesticides	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	20 01 27	Yes	7.277	paint, inks, adhesives and resins containing dangerous substances	R1	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany
To Other Countries	20 01 27	Yes	2.61	paint, inks, adhesives and resins containing dangerous substances	D10	M	Weighed	Abroad	SAVA,A51V00605/A51G005 08	Osterweute,1,Brunsbuttel,D E 25541,Germany	SAVA,A51V00605/A51G005 08,Osterweute,1,Brunsbuttel ,DE 25541,Germany	Osterweute,1,Brunsbuttel,D E 25541,Germany

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	07 05 04	Yes	26.6	other organic solvents, washing liquids and mother liquors	R1	M	Weighed	Abroad	Geocycle,38.152/BP	Rue de Courriere,49,Seneffe,BE 7181,Belgium	Geocycle,38.152/BP,Reu de Courriere,49,Seneffe,BE 7181,Belgium	Reu de Courriere,49,Seneffe,BE 7181,Belgium
To Other Countries	07 05 14	No	90.74	solid wastes other than those mentioned in 07 05 13	R4	M	Weighed	Abroad	Geocycle,38.152/BP	Rue de Courriere,49,Seneffe,BE 7181,Belgium		
To Other Countries	07 07 04	Yes	24297.987	other organic solvents, washing liquids and mother liquors	R1	M	Weighed	Abroad	Geocycle,38.152/BP	Rue de Courriere,49,Seneffe,BE 7181,Belgium	Geocycle,38.152/BP,Reu de Courriere,49,Seneffe,BE 7181,Belgium	Reu de Courriere,49,Seneffe,BE 7181,Belgium
To Other Countries	12 01 18	Yes	139.031	metal sludge (grinding, honing and lapping sludge) containing oil	R4	M	Weighed	Abroad	Geocycle,38.152/BP	Rue de Courriere,49,Seneffe,BE 7181,Belgium	Geocycle,38.152/BP,Reu de Courriere,49,Seneffe,BE 7181,Belgium	Reu de Courriere,49,Seneffe,BE 7181,Belgium
To Other Countries	19 12 11	Yes	22.2	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	R1	M	Weighed	Abroad	Geocycle,38.152/BP	Rue de Courriere,49,Seneffe,BE 7181,Belgium	Geocycle,38.152/BP,Reu de Courriere,49,Seneffe,BE 7181,Belgium	Reu de Courriere,49,Seneffe,BE 7181,Belgium
To Other Countries	06 01 06	Yes	57.638	other acids	D10	M	Weighed	Abroad	ATM,298105 NB 930607.002/4	Seaport,M 152,Moerdijk,NL 4782,Netherlands	ATM,298105 NB 930607.002/04,Seaport,ML 152,Moerdijk,NL 4782,Netherlands	Seaport,ML 152,Moerdijk,NL 4782,Netherlands
To Other Countries	07 05 04	Yes	42.51	other organic solvents, washing liquids and mother liquors	R2	M	Weighed	Abroad	ATM,298105 NB 930607.002/4	Seaport,M 152,Moerdijk,NL 4782,Netherlands	ATM,298105 NB 930607.002/04,Seaport,ML 152,Moerdijk,NL 4782,Netherlands	Seaport,ML 152,Moerdijk,NL 4782,Netherlands
Within the Country	07 05 04	Yes	0.276	other organic solvents, washing liquids and mother liquors	R2	M	Weighed	Offsite in Ireland	Soltec,W0115-01	Mullingar business park,.,Mullingar business park,.,Ireland	Soltec,W0115-01,Mullingar business park,.,Mullingar ,.,Ireland	Mullingar business park,.,Mullingar ,.,Ireland
To Other Countries	07 05 01	Yes	2635.31	aqueous washing liquids and mother liquors	R1	M	Weighed	Abroad	Sotrenor,FT-2005-195	Route d'Harnes,62,Courrieres,FR 62710,France	Sotrenor,FT 2005-195,Route d'Harnes,62,Courrieres,FR 62710,France	Route d'Harnes,62,Courrieres,FR 62710,France
To Other Countries	07 05 04	Yes	24.43	other organic solvents, washing liquids and mother liquors	R1	M	Weighed	Abroad	Sotrenor,FT-2005-195	Route d'Harnes,62,Courrieres,FR 62710,France	Sotrenor,FT 2005-195,Route d'Harnes,62,Courrieres,FR 62710,France	Route d'Harnes,62,Courrieres,FR 62710,France
Within the Country	08 03 18	No	3.298	waste printing toner other than those mentioned in 08 03 17	R5	M	Weighed	Offsite in Ireland	Source Imaging Ltd,WP 124/06	Banagher Enterprise centre,2,Banagher Enterprise centre,.,Ireland		
To Other Countries	07 05 03	Yes	26.36	organic halogenated solvents, washing liquids and mother liquors	R2	M	Weighed	Abroad	SRM,AG9248	Middleton Rd,.,Morecambe,UK LA3 3JW,United Kingdom	SRM,AG9248,Middleton Rd,.,Morecambe,UK LA3 3JW,United Kingdom	Middleton Rd,.,Morecambe,UK LA3 3JW,United Kingdom
To Other Countries	07 05 04	Yes	138.28	other organic solvents, washing liquids and mother liquors	R2	M	Weighed	Abroad	SRM,AG8420	Hendon dock,.,Sunderland,SR1 2ES,United Kingdom	SRM,AG8420,Hendon dock,.,Sunderland,SR1 2ES,United Kingdom	Hendon dock,.,Sunderland,SR1 2ES,United Kingdom
To Other Countries	10 08 04	No	2.561	particulates and dust	R4	M	Weighed	Abroad	Tate Medical Engineering Ltd,EAMWL66063	Leeds Road,.,Ottley,LS21 3BB,United Kingdom		
To Other Countries	07 05 03	Yes	673.32	organic halogenated solvents, washing liquids and mother liquors	R2	M	Weighed	Abroad	Veolia Environmental Services,BS5401IG	King st,.,Liverpool,L19 8EG,United Kingdom	Veolia Environmental Services,BS5401IG,King street,.,Liverpool,L19 8EG,United Kingdom	King street,.,Liverpool,L19 8EG,United Kingdom
To Other Countries	07 05 04	Yes	810.425	other organic solvents, washing liquids and mother liquors	R2	M	Weighed	Abroad	Veolia Environmental Services,BS5401IG	King st,.,Liverpool,L19 8EG,United Kingdom	Veolia Environmental Services,BS5401IG,King street,.,Liverpool,L19 8EG,United Kingdom	King street,.,Liverpool,L19 8EG,United Kingdom

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	06 01 06	Yes	26.371	other acids	D10	M	Weighed	Abroad	Veolia Environmental Services Ltd,AG8233	Bridges Road,.,Ellesmere Port,L65 4EQ,United Kingdom	Veolia Environmental Services Ltd,AG 8233,Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom	Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom
To Other Countries	07 05 01	Yes	6141.958	aqueous washing liquids and mother liquors	D10	M	Weighed	Abroad	Veolia Environmental Services Ltd,AG8233	Bridges Road,.,Ellesmere Port,L65 4EQ,United Kingdom	Veolia Environmental Services Ltd,AG 8233,Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom	Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom
To Other Countries	07 05 03	Yes	50.653	organic halogenated solvents, washing liquids and mother liquors	D10	M	Weighed	Abroad	Veolia Environmental Services Ltd,AG8233	Bridges Road,.,Ellesmere Port,L65 4EQ,United Kingdom	Veolia Environmental Services Ltd,AG 8233,Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom	Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom
To Other Countries	07 05 04	Yes	282.078	other organic solvents, washing liquids and mother liquors	D10	M	Weighed	Abroad	Veolia Environmental Services Ltd,AG8233	Bridges Road,.,Ellesmere Port,L65 4EQ,United Kingdom	Veolia Environmental Services Ltd,AG 8233,Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom	Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom
To Other Countries	07 05 13	Yes	275.685	solid wastes containing dangerous substances	D10	M	Weighed	Abroad	Veolia Environmental Services Ltd,AG8233	Bridges Road,.,Ellesmere Port,L65 4EQ,United Kingdom	Veolia Environmental Services Ltd,AG 8233,Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom	Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom
To Other Countries	15 01 10	Yes	3.841	packaging containing residues of or contaminated by dangerous substances	D10	M	Weighed	Abroad	Veolia Environmental Services Ltd,AG8233	Bridges Road,.,Ellesmere Port,L65 4EQ,United Kingdom	Veolia Environmental Services Ltd,AG 8233,Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom	Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom
To Other Countries	15 02 02	Yes	8.363	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	D10	M	Weighed	Abroad	Veolia Environmental Services Ltd,AG8233	Bridges Road,.,Ellesmere Port,L65 4EQ,United Kingdom	Veolia Environmental Services Ltd,AG 8233,Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom	Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom
To Other Countries	16 05 07	Yes	0.472	discarded inorganic chemicals consisting of or containing dangerous substances	D10	M	Weighed	Abroad	Veolia Environmental Services Ltd,AG8233	Bridges Road,.,Ellesmere Port,L65 4EQ,United Kingdom	Veolia Environmental Services Ltd,AG 8233,Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom	Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom
To Other Countries	18 01 08	Yes	8.264	cytotoxic and cytostatic medicines	D10	M	Weighed	Abroad	Veolia Environmental Services Ltd,AG8233	Bridges Road,.,Ellesmere Port,L65 4EQ,United Kingdom	Veolia Environmental Services Ltd,AG 8233,Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom	Bridges Road,.,Ellesmere Port,L19 8EG,United Kingdom
Within the Country	20 01 36	No	29.077	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland	KMK ,Wo-113-04	Cappincur Industrial estate,.,Tullamore,.,Ireland		
To Other Countries			10.154		D10	M	Weighed	Abroad	Tradebe Ltd,FP3935KL	Charleston rd,.,Southampton,SO45 3ZA,United Kingdom		
To Other Countries	07 05 04	Yes	6.452	other organic solvents, washing liquids and mother liquors	D10	M	Weighed	Abroad	Tradebe Ltd,FP3935KL	Charleston rd,.,Southampton,SO45 3ZA,United Kingdom	Tradebe,FP3935KL,.Charlestown road,.,Southampton,SO45 3ZE,United Kingdom	Charlestown road,.,Southampton,SO45 3ZE,United Kingdom

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	07 05 13	Yes	88.976	solid wastes containing dangerous substances	D10	M	Weighed	Abroad	Tradebe Ltd,FP3935KL	Charleston rd,.,Southampton,SO45 3ZA,United Kingdom	Tradebe,FP3935KL,Charlestown road,.,Southampton,SO45 3ZE,United Kingdom	Charlestown road,.,Southampton,SO45 3ZE,United Kingdom
To Other Countries	16 05 04	Yes	0.064	gases in pressure containers (including halons) containing dangerous substances	D10	M	Weighed	Abroad	Tradebe Ltd,FP3935KL	Charleston rd,.,Southampton,SO45 3ZA,United Kingdom	Tradebe,FP3935KL,Charlestown road,.,Southampton,SO45 3ZE,United Kingdom	Charlestown road,.,Southampton,SO45 3ZE,United Kingdom
To Other Countries	16 05 08	Yes	8.239	discarded organic chemicals consisting of or containing dangerous substances	D10	M	Weighed	Abroad	Tradebe Ltd,FP3935KL	Charleston rd,.,Southampton,SO45 3ZA,United Kingdom	Tradebe,FP3935KL,Charlestown road,.,Southampton,SO45 3ZE,United Kingdom	Charlestown road,.,Southampton,SO45 3ZE,United Kingdom
To Other Countries	11 01 09	Yes	36.365	sludges and filter cakes containing dangerous substances	R4	M	Weighed	Abroad	World Resources Ltd,SL3A0032	Industriestr,.,Wurzen,DE048 08,Germany	World Resouces Ltd,SL83A0032,Industristr,7,Wurzen,DE04808,Germany	Industristr,7,Wurzen,DE048 08,Germany

Within the Country

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

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			WSCF2	AGS1	QUANTITY		
			Method Used						
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
237	Volatile organic compounds (as TOC)	M	OTH	charcoal tube-gc/fid	12.9	16.4	29.3	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:
Please enter summary data on the quantities of methane flared and / or utilised

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	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 on

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
No. Annex II	Name	M/C/E	Method Used: Method Code	Method Used: 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			
No. Annex II	Name	M/C/E	Method Used: Method Code	Method Used: 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			
Pollutant No.	Name	M/C/E	Method Used: Method Code	Method Used: Designation or Description	SWD-1 Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
351	Total Organic Carbon (as C)	M	PER	uv/persulfate	506.93	506.93	0.0	0.0

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