

ANNUAL ENVIRONMENTAL REPORT
2010

GUARDIAN SILVER LINING ,
UNIT 61 , COOKSTOWN INDUSTRIAL ESTATE ,
TALLAGHT , DUBLIN 24 .

EPA WASTE REGISTER NUMBER W0122-01

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REPORTING PERIOD

The reporting period for this licence is from 01 January 2010 to 31st December 2010.

WASTE ACTIVITIES CARRIED OUT AT THE FACILITY.

The following are the waste activities carried out by Guardian Silver Lining in accordance with the Fourth Schedule of the Waste Management Act 1996 .

Class 3 - The Recycling or reclamation of metal compounds:

This activity is limited to the recovery of silver from waste products. The recovery plant processes photochemical waste, (from the photo processing industry and other outlets) to recover silver and the recovery operation involves both an electro-plating step and a precipitation step. The recovered silver sludge, plates and re-usable liquids are sent to Silver Lining , UK.

Class 13 - The 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 .:

This activity is limited to the storage of waste including waste for silver recovery and subsequent transfer of recovered materials.

Attached is Schedule E WASTE ACCEPTANCE AND HANDLING

These are the types and quantities of waste accepted at the facility.

The maximum tonnage of waste that can be accepted at this is 4650 tonnes per annum as stated in the licence.

The tonnage of waste accepted at this facility for the reporting period was 1442.

Of this

1197 tonnes were recovered/ recycled.

245 tonnes were disposed.

See pie chart for percentages of wastes recovered / disposed of during the reporting year.

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Schedule E of Waste Licence W0122-01

E. WASTE ACCEPTANCE AND HANDLING

E.1. Waste Types and Quantities

A detailed inventory of the types and quantities of wastes to be accepted at the facility should be submitted.

TABLE E.1.1 WASTE CATEGORIES AND QUANTITIES

WASTE TYPE	TONNES PER ANNUM	TOTAL (over life of site)
Household	NONE	NONE
Commercial	NONE	NONE
Sewage Sludge	NONE	NONE
Construction and Demolition	NONE	NONE
Industrial Non-Hazardous Liquids	100	NOT APPLICABLE
Industrial Non-Hazardous Sludges	50	
Industrial Non-Hazardous Solids	300	
Hazardous	2500	

Waste Licence Application Form- Recovery/Disposal Activities (other than Landfill)

OTHER WASTES	Check (if accepted)	Additional Information
Plasterboard and Plaster	<input type="checkbox"/> NO	
Dried Paints, Dried Varnish & Dried Lacquer	<input type="checkbox"/> YES	PAINTS ETC LISTED IN W.I.2. WILL BE LIQUID, SOLID, OR DRIED IN TINS ETC.
Foundry Sand & Sand Blasting Residues	<input type="checkbox"/> NO	
Glass	<input type="checkbox"/> YES	IF WITH SILVER CONTENT OR FOR RECOVERY.
Latex & Rubber Solutions	<input type="checkbox"/> NO	
Solid Fully Polymerised Plastics	<input type="checkbox"/> YES	THIS COULD ARRIVE WITH WASTE ELECTRONICS.
Solid Rubber (excluding tyres)	<input type="checkbox"/> NO	
Empty Containers	<input type="checkbox"/> YES	FROM PHOTOGRAPHIC / PRINTING ETC
Hazardous Ferrous and Non-Ferrous Metals	<input type="checkbox"/> YES	WITH SCRAP ELECTRONICS ETC.
OTHER WASTES (APPLICANT TO SPECIFY)	Check (if accepted)	Additional Information
FILM	<input type="checkbox"/>	WASTE FILM AND X RAY
	<input type="checkbox"/>	FILM. FOR RECOVERY.
LITHO PLATE	<input type="checkbox"/>	FOR ALUMINIUM
	<input type="checkbox"/>	RECOVERY.
	<input type="checkbox"/>	
	<input type="checkbox"/>	
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	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	

It should be noted that an applicant may be issued with a licence which restricts the type of wastes which may be accepted. The acceptance of wastes outside those set down in the licence will be an offence under s39 of the Waste Management Act as amended.

Attachment E.1 should contain any relevant additional information.

TABLE E.1.3 NON-HAZARDOUS WASTE TYPES

INERT OR INACTIVE WASTE	Check (if accepted)	Additional Information
Subsoil	<input type="checkbox"/> NO	
Topsoil	<input type="checkbox"/> NO	
Brickwork	<input type="checkbox"/> NO	
Stone, Rock and Slate	<input type="checkbox"/> NO	
Clay	<input type="checkbox"/> NO	
Natural Sand	<input type="checkbox"/> NO	
Concrete	<input type="checkbox"/> NO	
Glaze & China	<input type="checkbox"/> NO	
Solid Road Planings, Solid Tarmacadam, Solid Asphalt	<input type="checkbox"/> NO	
BIODEGRADABLE WASTE	Check (if accepted)	Additional Information
Wood & Wood Products	<input checked="" type="checkbox"/>	CONTAMINATED WITH PAINTS
Paper & Paper Products	<input type="checkbox"/> YES	CONTAMINATED WITH INKING, PRINTING AND PHOTOGRAPHIC
Vegetable Matter	<input type="checkbox"/> NO	
Non-Infectious Health-Care Waste	<input type="checkbox"/> NO	
Natural & Manmade Fibres	<input type="checkbox"/> NO	
Road Sweepings	<input type="checkbox"/> NO	
Gully Emptyings	<input type="checkbox"/> NO	
Septic Tank Waste	<input type="checkbox"/> NO	
Mud & Dredgings	<input type="checkbox"/> NO	
Boiler Scale	<input type="checkbox"/> NO	
Ash & Cinders	<input type="checkbox"/> NO	
Food Stuffs	<input type="checkbox"/> NO	
Oil/Water Mixtures	<input type="checkbox"/> YES	OIL LISTED IN E.1.3.
Vegetable Oil	<input type="checkbox"/> NO	
Fats, Waxes and Greases	<input type="checkbox"/> YES	WILL BE IN THE WASTE OIL.
Animal Excrement (including paunch contents)	<input type="checkbox"/> NO	
Animal Blood	<input type="checkbox"/> NO	

TABLE E.1.2 HAZARDOUS WASTE TYPES AND QUANTITIES

HAZARDOUS WASTE TYPE	TONNES PER ANNUM	TOTAL (over life of site)
Used Oil	120	
Filters	20	
Asbestos	NONE	NONE
Sand Mixtures or Mixtures of and Other Absorbent Material	100	
Contaminated Rubble, Soil, etc.	NONE	NONE
Healthcare Waste	NONE	NONE
Pharmaceutical Waste	36	
Cytotoxic Waste	NONE	NONE
Mercury Waste	NONE	NONE
Refrigerants	480	
Specified Risk Material	NONE	NONE
Photographic Processing Waste	1680	TREATMENT PLAN UNKNOWN LIFE PERIOD
Paint and Ink	960	
Batteries	60	
Motor Vehicle Batteries	12	
Incandescent Light Bulbs	60	
FOR HAZARDOUS WASTE APPLICANT TO SPECIFY)		
DEGREASING CLEANING RESIDUES	360	
Flammable Liquids	120	
Flammable Solids	120	

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QUANTITIES AND COMPOSITION OF WASTE RECOVERED DISPOSED OF AND/OR RECYCLED DURING THE REPORTING YEAR AND THE YEAR 2009.

B) Waste received and sent for disposal for the year 2009

EWC CODE	DESCRIPTION	QUANTITY 2010 (Tonnes)	QUANTITY 2009 (Tonnes)
<i>110100</i>	<i>Liquid wastes and sludges from metal treatment and coating of metals (eg galvanic process , zinc coating process , pickling processes, etching , pickling processes , etching , phosphatizing ,alkaline degreasing) .</i>	0	97
<i>090102</i>	<i>Plate developer</i>	239	0
<i>130</i>	<i>Waste hydraulic oil</i>		
130208	Other engine , gear and lubricating oils	0	36
<i>1501</i>	<i>Packaging (including separately collected municipal packaging waste)</i>		
150110	Packaging containing residues of or contaminated by dangerous substances	6	50
<i>1610</i>	<i>Aqueous liquid waste destined for off-site treatment</i>		
161002	Aqueous liquid waste	0	0

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b) Waste received and sent for recovery / recycling.

EWC CODE	DESCRIPTION	QUANTITY 2010	QUANTITY 2009
0801	<i>Wastes from MFSU of paint and varnish</i>		
080111	Waste paints and varnish containing organic solvents or other dangerous substances .	66	29
080112	Waste paint and varnish containing other than those mentioned in 080111	80	14
0803	<i>Wastes from MFSU of printing inks</i>		
080312	Waste ink containing dangerous substances	92	100
080313	Waste ink other than those mentioned in 080312	5	5
0804	<i>MFSU Adhesives</i>		
080410	Waste Adhesive	10	30
0901	<i>Wastes from the photographic industry</i>		
090101	Water –based developer and activator solutions.	65	70
090104	Fixer Solutions	126	130
090107	Photographic film and paper containing silver or silver compounds	15	21
1406	<i>Waste organic solvents , refrigerants and foam / aerosol propellants</i>		
140602	Chlorinated Solvent	52	67
140603	Other solvents and solvent mixtures	277	293
1501	<i>Packaging (including separately collected municipal packaging waste)</i>		
150110	Packaging containing residues of or contaminated by dangerous substances	40	40
1502	<i>Absorbents, filter materials, wiping cloths and protective clothing .</i>		
150202	Absorbents , filter materials (including oil filters not otherwise specified) , wiping cloths, protective clothing contaminated by Dangerous substances.	87	91
1602	<i>Wastes from electrical and electronic components</i>		

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160213	Discarded equipment containing hazardous	4	4
160214	Components other than those mentioned in 160209 to 160213	7	8
1606	<i>Batteries and accumulators</i>		
160601	Lead batteries	9	10
1201	<i>Metal Waste</i>		
120103	Aluminium	91	106
1801	<i>Wastes from Human Healthcare</i>		
180109	Pharmaceutical Waste	22	31
1910	<i>Metal Containing Waste</i>		
191001	Steel	19	29
20	<i>Municipal wastes (household waste and similar commercial , industrial and institutional wastes) including separately Collected fractions .</i>		
2001	<i>Separately collected fractions (except 1501)</i>		
200121	Fluorescent tubes and other mercury-containing waste.	3	4

SUMMARY REPORT ON EMISSIONS

The following schedule shows the emissions limits of our licence.

In Schedule C: Emission Limits.

Noise Emissions are not to exceed 55dB L(A)eq (30 minutes) during the day .

A consultancy company called Euro Environmental were commissioned to monitor the noise levels.

The measured daytime ambient noise level at location A was 72dB(A).

Their conclusion was that the main contributors to the overall noise level were neighbouring construction noise, activity from other industrial units and local traffic. Full report in Appendix.

Condition 6.7, The licence shall investigate options for the reduction of fugitive emissions to air at the facility including a mass balance of all inputs and outputs during silver recovery.

At present Silver Lining is not operating a silver recovery process so we cannot carry out a mass balance of all inputs and outputs during the silver recovery process.

Fugitive Emission monitoring took place on 7th January 2003.

The concentration of Ammonia was found to be 4 mg/ m³ with a mass emission rate of 0.007 kg / hr .

The concentration of the combined top ten VOC's were found to be less than 1.66 mg / m³ with a mass emission rate of less than 0.003 kg/ hr.

Concentrations of Ammonia and VOC's are found to be well below any Health & Safety standards or Environmental limits.

Condition 6.3 , There has been no emissions to ground water .

Condition 6.4, There has been no trade effluent emissions to sewer or surface water.

Condition 6.5, There has been no non-trade effluent wastewater discharged to the sewer without the prior authorisation of the Sanitary Authority.

Condition 6.6, There was no clearly audible tonal components or impulsive component in the noise emissions from the activity at the noise sensitive locations

RESULTS AND INTERPRETATIONS OF ENVIRONMENTAL MONITORING , INCLUDING A LOCATION PLAN OF ALL MONITORING LOCATIONS .

The monitoring is to be carried out as specified in Schedule D .

One monitoring point was agreed with the agency and can be seen on the map.

Euro Environmental were contracted to carry out this monitoring.
This report is included in this AER.

Report Summary,

An environmental noise survey was conducted at Guardian Silver Lining on 8th Dec 2010, to assess compliance with the licence requirements. The licence assigns noise limits of 55 dB(A) by day .Daytime noise emissions from Guardian Silver Lining are well below measured ambient noise levels . The ambient noise levels are due primarily to neighbouring and industrial activity.

Condition 8.9 NUISANCE MONITORING

Each week the facility and its immediate surrounds are inspected for nuisances caused by dust, vermin and odours.

A file is kept of all the nuisances monitoring done at the facility

A procedure has been developed to address this monitoring.

RESOURCE AND ENERGY CONSUMPTION SUMMARY

The following sources are used at our facility.

- 1) WATER
- 2) ELECTRICITY

1) WATER

Water usage is not currently metered so we do not have a way of monitoring it. However the only use we have for water on-site is for general consumption.

2) ELECTRICITY USAGE AT THE SITE (for reporting year)

DATE 2009	UNITS OF ELECTRICITY USED
Jan - Mar	11,790
Mar - June	6948
June - Sept	8071
Sept - Dec	4407

The total usage in 2009 was 31,216 kWhr

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Development / Infrastructural works in place and planned, to process waste quantities for the following year.

See Environmental Objectives and Targets for the forthcoming year which outlines the planned development / infrastructure for the facility.

**SIGNIFICANT OBJECTIVES AND TARGETS
2010**

Objectives	Environmental Impact	Table No.
Spill Control	Pollution of Waterways	1
Improve the layout and storage space of the facility	Housekeeping	2
To improve the environmental performance of the facility	Various environmental impacts	3
Improvement of the visual appearance of the facility	Visual Impact	4

Objective 1	Target	Plan	Timescale	Responsibility
Spill Control	<ol style="list-style-type: none"> 1. To comply with Condition 3.7 of EPA Licence 2. Staff Training 3. Ensure adequate stock of Spill Kits / Absorbent 4. Carry out regular inspections on the 3 storage tanks 5. Safe storage of waste 	<p>Environment Efficiency will be commissioned to carry out bund testing</p> <p>Onsite Manager will carry out onsite spill training for all relevant staff</p> <p>Ensure quantities of spill material quantities will be kept above a minimum level as detailed in the Spill Log</p> <p>Ensure that tank inspection log is maintained.</p> <p>Ensure waste arriving onsite is inspected, as per procedures, and stored in a safe manner</p>	<p>June 2010</p> <p>June 2010</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>	<p>R. Malone</p> <p>P. McDonnell</p> <p>T. Werstak</p> <p>T. Werstak</p> <p>T. Werstak / M. Araujo</p>

Objective 2	Target	Plan	Timescale	Responsibility
Housekeeping within the Storage Area	Maintain a high standard of housekeeping within the facility to reduce the risk of accidents / spillages.	<ol style="list-style-type: none"> 1. Review the following: Fire Risk Assessment Accident Prevention Programme Safety Statement 2. Review and update procedures and practices. 3. Carry out regular housekeeping audits. 4. Manage incoming and outgoing waste 5. Ensure waste is stored safely, securely and in designated areas as per waste storage plan 	Ongoing	<p>R. Malone</p> <p>R. Malone / T. Werstak</p> <p>R. Malone</p> <p>R. Malone / T. Werstak</p> <p>R. Malone / T. Werstak</p>

Objective 3	Target	Plan	Timescale	Responsibility
<p>Improve the Environmental Performance</p>	<p>1. To ensure compliance with EPA Licence / ISO 14001 Standard</p>	<ol style="list-style-type: none"> 1. Maintain ISO 14001 standard 2. Ensure compliance with ADR Regulations 3. Ensure compliance with waste legislation 4. Review and update procedures and practices. 5. Carry out regular facility / vehicle audits. 6. Manage incoming and outgoing waste 7. Apply for the National Waste Collection Permit 8. Review Waste Licence with a view to amending waste types and quantities permitted onsite. Consult with EPA 	<p>Ongoing</p>	<p>R. Malone</p> <p>R. Malone</p> <p>R. Malone</p> <p>T. Werstak/R. Malone</p> <p>R. Malone</p> <p>R. Malone</p> <p>R. Malone</p>

Objective 4	Target	Plan	Timescale	Responsibility
<p>Improve the Visual Appearance of the Facility</p>	<p>Improve the Visual Appearance of the Facility</p>	<ol style="list-style-type: none"> 1. Paint depot area / offices and carry out maintenance where required 2. Carry out regular housekeeping audits 3. Maintain Nuisance Monitoring Log 	<p>Ongoing</p>	

REPORTED INCIDENTS AND COMPLAINTS SUMMERY

For the reporting year there have been no reported incidents.

For the reporting period we have not received any complaints

NUISANCE CONTROLS

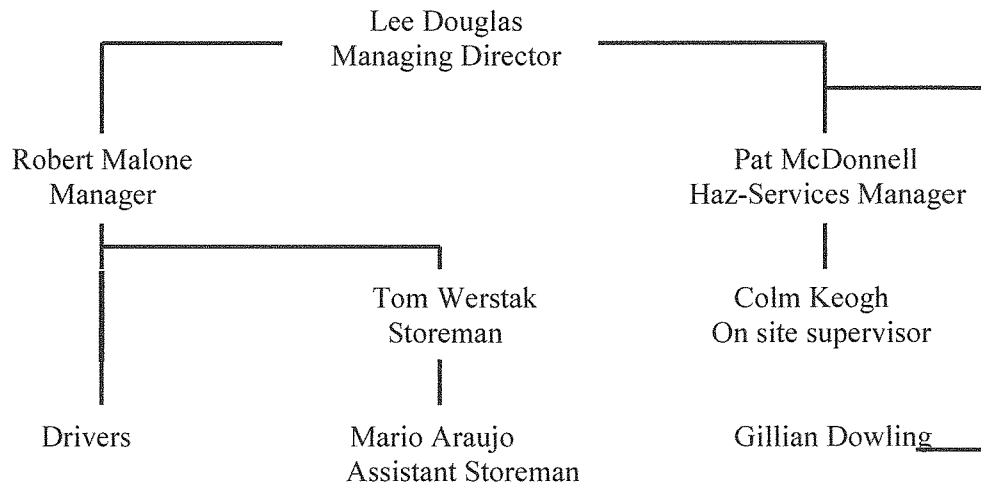
Condition 8.9

Once a week the facility and its immediate surrounds shall be inspected for nuisances caused by dust, vermin and odours.

A file is kept of all the nuisances monitoring done at the facility.
A procedure has been developed to address this monitoring.

MANAGEMENT AND STAFFING STRUCTURE OF THE FACILITY

ORGANISATION CHART



Drivers: Michael Devoy
Sean O'Rourke

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**FULL TITLE AND SUMMARY OF ALL
PROCEDURES DEVELOPED / REVISED IN
2009 / 2010**

SOP NUMBER	46	REVISION NO.	0
WRITTEN BY	Robert Malone	DATE	11/6/09
SIGNED	<i>R. Malone</i>		
APPROVED BY	Lee Douglas		
SIGNED	<i>Lee Douglas</i>		
DISTRIBUTION	To all relevant staff	SOP LOCATED IN MAIN OFFICE / STORES	
NO. OF PAGES			

TITLE: Depot Audits

PURPOSE: To establish and maintain a programme for periodic auditing.

SCOPE: This procedure applies to the facility and the fleet vehicles

PROCEDURE:

GSL will carry out regular internal audits throughout the year. The audits will address all management and operational aspects in addition to health and safety and transport.

Depot audits shall be carried out on a monthly basis by the Manager. The Manager shall use the attached checklist as the basis for the audit.

Drivers will carry out audits on their vehicles on a fortnightly basis using the attached checklist.

Audits shall be numbered as follows: GSL DA 001 for all depot audits and GSL TA 001 for all vehicle audits

Depot audits shall be scored as follows: 2= Full compliance, 1= Partial compliance, 0= non compliance

All non conformances / issues will be recorded on the audit report along with the corrective action and an expected time for completion.

The results of all audits will be filed in the Auditing File and will be made available for inspection.

SOP No. 46

REVISION 0

DEPOT AUDIT

AUDIT NUMBER: _____

AUDIT DATE: _____

AUDITOR: _____

SUMMARY SCORES

AREA	SCORE (%)
------	-----------

ENVIRONMENTAL	_____
---------------	-------

HEALTH & SAFETY	_____
-----------------	-------

Scoring System

2 = Full Compliance

1 = Partial Compliance

0 = Non Compliance

Environmental Audit

Section 1:	Site Documentation	Score
E1.1	A copy of the previous environmental audit is available for inspection. All actions have been closed out satisfactorily.	_____
E1.2	A copy of the current waste management licence is available.	_____
E1.3	A framed copy of the current Environmental Policy is displayed in the entrance.	_____
E1.4	A framed copy of the ISO 14001 Certification is displayed in the entrance.	_____
E1.5	All Transfer Notes and CI consignment notes are fully completed, cross-referenced, correctly filed and kept up to date.	_____
E1.6	Select a number of wastes and verify that all required documentation can be traced.	_____
E1.7	Waste quantities stored onsite are within the licensed limits.	_____
E1.8	Waste types stored onsite are permitted by the licence.	_____
E1.9	Waste inspection log is kept up to date.	_____
E1.10	Spill log / inventory is kept up to date	_____
E1.11	Filter log for bulb crushing unit is kept up to date.	_____
E1.12	Monitoring and Reporting, as per licence, are up to date and available for inspection.	_____
E1.13	Procedures have been appropriately distributed and are available for inspection.	_____
E1.14	Copies of all Environment Agency Inspection Reports are on file and any non-conformances and / or observations have been closed out satisfactorily	_____
E1.15	Training files are up to date and contain evidence of Environmental Awareness Training	_____

SCORE

SOP No. 46

REVISION 0

Reference	Comment and required action	Target Date

Section 2:	Site Inspection	Score
E2.1	The condition of drums is acceptable for containing it's contents, and up-lift of any drum is unlikely to cause damage to it's integrity	_____
E2.2	All waste drums and containers are labelled correctly and completely. No conflicting labels are displayed.	_____
E2.3	All waste is stored in designated signed areas.	_____
E2.4	Sufficient absorbent materials, clearly marked, are stocked and easily accessible for use in the event of a spillage or leak.	_____
E2.5	Drum storage areas are sufficiently banded to contain any leaks or spillages. Bands are in satisfactory condition with no visible deterioration.	_____
E2.6	Level sensors on tanks are operational.	_____
E 2.7	All pumps and hosing are well serviced and in good condition.	_____
E2.8	The drains outside the facility where loading / unloading of vehicles takes place show no signs of damage/deterioration.	_____
E2.9	A Facility Notice Board is prominently displayed outside the main entrance. Details are legible and include site licence number, hours of opening, and contact numbers.	_____
E2.10	There is an adequate stock of CIs for each area.	_____
E2.11	There is an adequate stock of all relevant labels and 'Proper Shipping Name' document available to the drivers	_____
E2.12	There is an adequate stock of 'Load Manifest' documents	_____

SCORE

Reference	Comment and required action	Target Date

Section 3: Site Inspection / Housekeeping

Score

- HS 1.1 There is no evidence of smoking within the facility. _____
- HS 1.2 Yard is clean and free of rubbish, debris and cigarette butts _____
- HS 1.3 No GSL items to be stored in the yard. _____
- HS 1.4 Rubbish bins must not be overflowing. _____
- HS 1.5 There is no indication of spills. All spills must be cleaned up immediately and reported to the Manager. _____
- HS 1.6 All materials are stacked and stored in a safe and appropriate manner. _____
- HS 1.7 Warehouse floor is clean and tidy. _____
- HS 1.8 Offices are clean and tidy. _____
- HS 1.9 Bulb crushing area is clean and tidy and free from obstructions.
There is a stock of filters present. _____
- HS 1.10 There is suitable access and egress within the facility _____

SCORE

Reference	Comment and required action	Target Date

Section 4: Site Equipment / Operation

Score

- HS 2.1 Exterior lighting is in good working order. _____
- HS 2.2 Security shutters and facility alarm are all in good working order. _____
- HS 2.3 Fire extinguishers are located throughout the facility and are in the correct configuration for the risk. _____
- HS 2.4 All fire extinguishers are fully charged. _____
- HS 2.5 An inspection label is attached to each fire extinguisher showing the last inspection date (must be within the last 12 months). _____
- HS 2.6 The fire alarm is serviced and in good working order. _____
- HS 2.7 All first aid kits are stocked, clean, readily accessible and clearly indicated with the approved sign. _____
- HS 2.8 Emergency eye wash stations are operational; the bottles are within the valid usable date and readily accessible. _____
- HS 2.9 There is an adequate stock of PPE and signs indicating where PPE is required to be worn are in place. _____
- HS 2.10 All storage areas more than 6ft above ground level have handrails and kick plates all around. _____
- HS 2.11 The mezzanine storage has an opening for access by forklift and pallet, this opening is kept closed and secured when not in use. _____

SCORE

SOP No. 46

REVISION 0

Reference	Comment and required action	Target Date

EPA licence W0122-01 , AER 2010

REPORT ON FINANCIAL PROVISIONS

We will be reviewing our Environmental Liability Risk Assessment and the financial provision required.

A copy of this review will be forwarded to the Agency for approval.

APPENDIX

- A) Bund Testing
- B) Environmental Noise Survey



Environmental Efficiency
Consulting Engineers

Parnell House,
19 Quinsboro Road,
Bray Co. Wicklow,
Ireland.

Bund Integrity Assessment

Silver Lining Industries

W0122-01


EEC Document No. 1267-02 v1.0

Tel: 353 1 276 1428 Fax: 353 1 276 1561 Email: energy@iol.ie
www.enviro-consult.com

Registered Office as above. Registered Number 243 412
Directors: Noel J. McGrath, Robert B. Sutcliffe

QF 1. Document Lead Sheet

Document Title	Bund Integrity Assessment
Project No.	1267
Document No.	1267-02
Client	Silver Lining Industries (Ireland) Limited

Issue	Status	Date	Author	Signed for and on behalf of	
				Environmental Efficiency	Client
1.00	Approved	23/09/2010	RBS		

Where it is a requirement that this report be issued to a regulatory or other authority, then the client should sign the appropriate place in the above table and, unless specifically agreed in writing to the contrary, forward copies to the appropriate authority (e.g. EPA).

EEC Project Manager: Bob Sutcliffe, CEng, MIMechE

EEC Document Author: Bob Sutcliffe, CEng, MIMechE

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1. Introduction

Silver Lining Industries Limited has a Waste licence issued by the EPA. This licence requires, amongst other things, that the water tightness of all bunding structures and their resistance to penetration by water or other materials stored therein to be demonstrated. This document reports this assessment.

2. Summary

The bunds inspected and the results of the assessment are as follows

Table 4.1-1 Inspected bunds

Bund No.	Description	Pass/Fail Integrity Test
N/A	Smaller bunded area (Portion of floor adjacent to entrance)	Pass
N/A	Larger bunded area (remainder of floor)	Pass

3. Test Protocol

The test protocol used was as per the IPPC Guidance Note of Storage and Transfer of Materials for Scheduled Activities published by the EPA.

For the smaller bunded area, the assessment was by means of a 6 hour Water Retention Test to CIRIA163.

For the larger bunded area, a visual inspection was carried out by a Chartered Engineer. The reason a Water Retention Test was inappropriate is that

- Excessive quantity of water would be used
- Test water would be contaminated
- Normal operations of the site would be hindered.

4. Test results and discussion

4.1. Smaller bunded area

Table 4.1-1 Description

Bund ref	N/A
Tank contents	None present
Wall construction	Cast concrete curb at base of two opposite walls with concrete with concrete ramps on other two opposite sides.
Floor Construction	Reinforced Mass Concrete.
Sump present	No

Table 4.1-2 Results of test

Initial water level	75 mm @ 10:15
Final water level	75 mm @ 16:20
Pass/Fail	Pass

4.2. Larger bunded area

Table 4.2-1 Description

Bund ref	N/A
Tank contents	Many IBCs and drums
Wall construction	Cast concrete curb at base of walls.
Floor Construction	Reinforced Mass Concrete.
Sump present	No

Table 4.2-2 Results of visual inspection

Outside of wall	No defects noted
Inside of wall	No defects noted
Floor	No defects noted
Sump	N/A
Other comments	No comments
Corrective Action	None required
Pass/Fail	Pass

5. Conclusion

All bunds passed the assessment.

Guardian Silver Lining Industries

Unit 61,
Cookstown Industrial Estate,
Belgard Rd,
Tallaght,
Dublin 24

Environmental Noise Survey Annual Noise Report

Report Date:

17th December 2010

EURO environmental services

Unit 35A, Boyne Business Park, Drogheda, Co. Louth

Report No. 2980/M06

SUMMARY

The noise survey was commissioned by Robert Malone of Guardian Silver Lining Industries to monitor compliance with the noise conditions assigned in Waste Licence No. 122-1 from the Environmental Protection Agency.

Condition D1 the Waste Licence sets a daytime noise limit of 55 dB(A), and a night time noise limit of 45 dB(A) at noise sensitive locations.

1.0 Introduction

EURO environmental services were commissioned by Silver Lining Industries to carry out a day time noise survey at a pre-determined noise monitoring location. This monitoring was to be carried out as required under Condition D1 of the current EPA Waste License No. 122-1. The day time noise survey was carried out on the 8th December by Lisa Doyle of EURO environmental services.

Silver Lining Industries Ltd is located in the Cookstown Industrial Estate, Tallaght, Co. Dublin. The site is situated in an urban area and is bound by public roads, other industrial units and construction sites.

According to the license table D.2, activities onsite shall not give rise to noise levels which exceed the sound pressure limits of 55 dB (A) during the day.

The facility operates between 9.00 and 17.00, Monday to Friday. The main activities at the installation that give rise to noise are produced on site from activities such as the maneuvering of forklift and lorries, waste container loading and unloading, the movement of plastic waste containers within the warehouse and other day to day activities.

2.0 Duration and Measurements of Surveying

The daytime survey was carried out between 10:57 and 11:28 on Wednesday 8th December 2010. The following measurements were carried out at each site:

- Daytime Broadband measurements $L(A)_{eq}$, $L(A)_{10}$, $L(A)_{90}$, $L(AF)_{max}$, $L(AF)_{min}$ and $L(C)_{peak}$ over a 30 minute period.
- Daytime 1/3 Octave Band measurements over in the range 25Hz to 16 kHz.

3.0 Weather Conditions

Weather conditions for the day-time survey on the 8th December were good for noise monitoring. Conditions were generally sunny and cold, with snow on the ground. There was no wind. Temperatures ranged from -2 - 0 °C.

4.0 Environmental Noise Terminology:

Decibel (dB): Is the unit of sound pressure levels, calculated as a logarithm of the intensity of sound. 0 dB represents the threshold of hearing and 140 dB the threshold of pain. An increase in 10 dB is generally perceived as a doubling of loudness.

dB(A): An 'A-weighted decibel' is the measure of the noise level of sound across the audible frequency range (20 Hz – 20 kHz) with A-frequency weighting.

$L_{Aeq,T}$: This is the equivalent continuous sound pressure level. A measure of the average sound pressure level during a period of time, t , in dB with 'A' weighting.

L_{A10} : This is the sound pressure level recorded for 10% of the monitoring period.

L_{A90} : This is the sound pressure level recorded for 90% of the monitoring period. When noise is continuous with diminutive oscillation the L_{Aeq} will more or less be the same as the L_{A90} .

1:3 Octave Band Filters: Single 1:1 Octave bands divided into three parts.

A Weighting: A standard weighting of the audible frequencies designed to reflect the response of the human ear to noise.

Fast Time Weighting: A standard time weighting applied by the Sound Level Meter.

Integrating Time Weighting: A sound level meter, which accumulates the total sound energy over a measurement period and calculated an average.

5.0 Location and Position of Monitoring Points

N1

This monitoring point was located 6m away from the entrance to the storage warehouse; 1m from the industrial unit access road and approximately 30m from the main industrial estate access road.

6.0 Activities on Site

There were very few activities in operation at the Silver Lining Industry warehouse during the course of the survey. No noise was recorded from premises at the time of monitoring. The primary contributors of noise during the survey were traffic movements on adjacent road, operation of a forklift in the car park of an adjacent facility, car doors opening, talking and shouting in the vicinity.

7.0 Methodology

The noise survey was carried out in accordance with ISO 1996/1/2/3 - Acoustics - Description and Measurement of Environmental Noise. Reference was also made to the guidance document issued by the EPA entitled " Environmental Noise Survey Guidance document" EPA 2003.

Broadband measurements were analysed for 30-minute intervals.

8.0 Equipment

The equipment used was a Bruel & Kjaer 2250 serial No. 2463166 integrating sound pressure level meter, with selective 1:1 or 1:3 octave band measurements.

The meter was fixed to a tripod 1.3 meters above the ground level and the microphone was protected using a windshield. The microphone cartridge type was BK4189, serial number 2457949 with open circuit sensitivity level of 53.2 mV per Pa.

8.1 Calibration

Calibration was carried out on site using an acoustic calibrator at 94dBA. The meter was calibrated before the monitoring round.

9.0 Noise Measurements Daytime

Monitoring Point	Date/ Time	Sampling Interval minutes	L(A)eq	L(A) ₁₀	L(A) ₉₀	Comments
N1	08/12/10 10:57	30	71.8	74.5	60.0	No noise was recorded from premises at the time of monitoring as there were very few activities in operation at the Silver Lining facility during the course of the survey. The primary contributors of noise during the survey were traffic movements on adjacent road, reverse beeping of vehicles at adjacent facilities, people talking and shouting in nearby facilities. Works carried out on other facilities were audible also. Overhead aircraft was audible during the survey. Birds were singing, Magpies crowing. People walking on the snow.

11.0 Interference


The main sources of interference during the survey were traffic movements on adjacent road, operations on other sites.

12.0 Conclusions

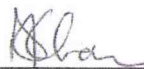
N1 monitoring point exceeded the noise emissions levels as set out in Schedule D, part D.2 of the waste license. The noise level was measured at 71.8 dB (A) which is above the recommended daytime limit of 55 dB (A). Very little noise from the Silver Lining facility was audible during the survey. The most significant contributor of noise during the survey was the reverse beeping from vehicles operating in the neighbouring units and other interferences.

The LA_{90} value is a good indication of the background noise levels at a particular monitoring location. The background noise level can be defined as the A-weighted sound pressure level of the residual noise at the assessment position that is exceeded for 90% of a given time interval, T. ($LA_{90, T}$). Monitoring location N1 recorded an LA_{90} value of 60.0 dB (A), indicating that for 90% of the time, the noise levels were above the 55 dB (A) daytime limit.

There was no significant tonal noise qualities detected at this location.



Lisa Doyle
Environmental Technician

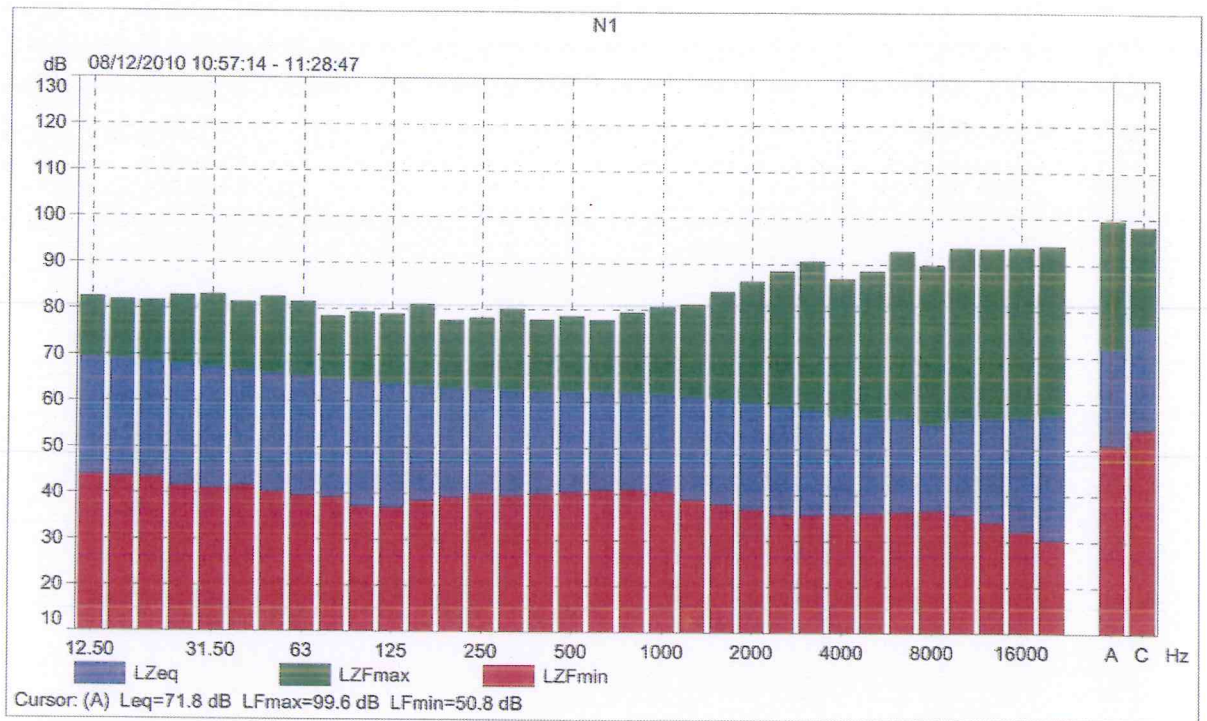


Aadil Khan
Environmental Technical Manager

20/12/2010

N1

	Start time	End time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]	LAF10 [dB]	LAF90 [dB]	LCpeak [dB]
Value				71.8	99.6	50.8	74.5	60.0	132.4
Time	10:57:14	11:28:47	0:30:00						11:07:47
Date	08/12/2010	08/12/2010							08/12/2010



Chris Mee Safety Engineering

C M S E

Guardian Silver Lining

ATEX Risk Assessment

Commissioned by Lee Douglas Managing Director

Report by: Gary Horgan Msc (Hons), Eng, Dip HSW, CMIOSH

Approved by: Darren O'Keeffe Dip HSW, Dip RM, CMIOSH

Chris Mee Safety Engineering

27th August 2010

Confidential Report
Chris Mee Safety Engineering

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- 2.0 Description of the Workplace & Activities
- 3.0 The Substances & their properties that present an explosion hazard
- 4.0 Warehouse Review
- 5.0 Warehouse Area Classification
 - 5.1 Hazardous Area Classification
- 6.0 Recommendations for ATEX Compliance

Appendix 1 Hazard Area Classification & ATEX Risk Assessment

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1.0 Introduction

Guardian Silver Lining is a licensed waste handling company based in Unit 61 Cookstown Industrial Estate, Tallagh, Dublin 24. Chris Mee Safety Engineering, (CMSE), has been commissioned by Guardian to carry out an ATEX Risk Assessment of their flammable storage waste handling activities to ensure compliance in accordance with the ATEX Regulations S.I. 299 of 2007 "Safety, Health and Welfare at Work (Explosive Atmospheres) Regulations 2007.

1.1 The ATEX Regulations: Background & Requirements

S.I. 299 of 2007 transposes into Irish Law a European Directive called the ATEX directive No.1999/92/EC and is concerned with the risks from fire and explosion arising from flammable substances stored or used in the workplace.

The regulations apply to most workplaces where flammable substances are stored or used for example where flammable liquids or flammable dusts are present.

The Regulations apply from the 1st of July 2003 to new workplaces or workplaces which undergo modifications, extensions or restructuring after July 2003.

The Regulations apply to existing workplaces after 30th June 2006.

From the date the regulations apply all work equipment and protective systems which are made available at the work place must comply with these regulations and with the ATEX product regulations S.I. 83 of 1999. That is the equipment or protective system must be suitable for use in explosive atmospheres and must be CE Marked.

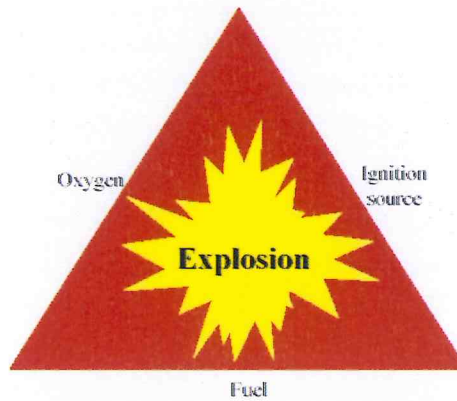
Work equipment in use before 30th June 2003 can continue to be used provided it complies with the legislation in force at that time e.g. 'Ex' equipment which is suitable for the application and complies with a harmonized European Standard is acceptable.

1.2 Principle requirements of the legislation:

1. A risk assessment must be carried out for any work activities involving flammable substances.
2. The findings of the risk assessment must be recorded in a document called the Explosion Protection Document. The Explosion Protection Document must exist as an identifiable document. The document must be available to employees.
3. Technical and organizational measures must be provided so as to reduce the risk of explosions.
4. Training must be provided to workers where explosive atmospheres may occur.
5. Places where explosive atmospheres may occur must be classified into zones.
6. Signs must identify locations of zoned areas.
7. Equipment installed in hazardous areas must be suitable for use in the zone.
8. Equipment must be CE marked and certified for the hazardous area into which it is installed.

1.3 The Explosion Triangle:

An explosion occurs if a flammable substance is present in mixture with air (i.e. sufficient oxygen), within the explosion limits, together with a source of ignition.



All substances capable of an exothermic oxidation reaction are to be regarded as flammable.

Examples of flammable substances include:

1. Flammable gases and gas mixtures, e.g. liquefied gas (butane, propane), natural gas, combustion gases (carbon monoxide, methane) or gaseous flammable chemicals (acetylene, vinyl chloride)
2. Flammable liquids, e.g. solvents, fuels, petroleum, heating, lubricating or waste oils, paints, water-insoluble and water soluble chemicals.
3. Dusts of flammable solids, e.g. coal, wood, food and feedstuffs (sugar, flour, and cereals), plastics, metals or chemicals.

A number of substances are not readily flammable under normal conditions but are explosive when mixed with air if the particle size is particularly small or if the ignition energy sufficiently high (metal dusts, aerosols)

2.0 Description of the Workplace& Activities:

Unit 61 Cookstown Industrial Estate is a 2 storey building of brick construction used as a hazardous waste transfer station, EPA Licence No. W0122-01. The site is licensed to handle 2650 tonnes per annum which equates to daily volumes on site of 20 – 60 tonnes. Guardian Silver Lining is an ISO 14001 accredited facility.

Flammable substances (liquids & solids) are stored on racking in the warehouse in sealed IBC'S (600- 1000 litre) and 25- 200 litre drums. Solid waste classified as flammable (contaminated rags etc) are stored in FIBC and UN approved pallet boxes. The warehouse is bunded and has no interceptors or drains. There is no dispensing or mixing of flammable substances on site.

All waste is segregated and stored in the warehouse prior either disposal within Ireland or abroad. Liquid solvent waste is disposed of through a local waste disposal company; Rialta (<10C flash point) or is exported to Belgium (>10C flash point).

The maximum amount of flammable substance (liquid and solids) within the facility on a daily basis is 25 tonnes (7 tonnes of liquid and 18 tonnes of solids). Flammable solvents for disposal at Rialta are collected on a regular basis with daily collections, with solvents being exported to Belgium every 2 weeks when enough solvent is accumulated.

Flammable waste is mainly in the form of solvents (480 t per annum), paints/inks (500 t per annum), and waste materials from garages which includes oil, oil filters, rags (240 t per annum). All waste materials irrespective of the percentage of flammable substance present are classified as flammable from an ADR waste handling perspective.

Flammable wastes (liquids and solids) handled on site include mainly;

- Isopropanol
- Methoxypropanol
- Propanol
- White Spirit 100
- XETAC6 Ethyl Acetate
- IMS/ Ethyl Acetate blends <80/20
- Rollotherm Inks

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- Acrylac Dispersion Varnish
- GK 60 Wash
- Blast

Please see Table 1 for the flammable properties of these products.

3.0 The Substances and Their Properties That Present an Explosion Hazard:

Materials with the potential to form explosive mixtures with air include:

Flammable gases & vapours

**Table 1: The substance and their properties that present an explosion hazard;
Flammable liquids/gases**

Description of Material	Properties of flammable materials – Gas / Vapour / Liquid							
	Flash Point °C	Auto-ignition Temp °C	LEL %Vol	UEL %Vol	Gas / Vapour Density Air = 1	Gas Group	MIE mJ	T Class
Isopropanol	12	399	2	12.7	2.1			T2
Methoxypropanol	33	286		>1	>1			T3
Propanol	12	399	2	12	2.1			T2
White Spirit 100	39	230	0.6	8	<1			T3
XETAC6 Ethyl Acetate	-3	425	2.2	11	3.04			T2
IMS/ Ethyl Acetate blends <80/20	<23	>350	1.5	20	0.8			T2
Rollotherm Inks	>100	N/A	0.5	6.5	N/A			
Acrylac Dispersion Varnish	>100	651	N/A	N/A	N/A			T1
GK 60 Wash	40	>230	0.6	8	N/A			T3
Blast	46	N/A	N/A	N/A	N/A			

Data obtained from relevant MSDS sheets supplied by client

N/A denotes information not available

N/B denotes not applicable

4.0 Warehouse Review 19th August 2010.

Access to Unit 61 warehouse is through a 4.5m in width, approximate height of 6m forklift goods entrance. The door is left in the full open position during normal business hours, giving good natural ventilation in the warehouse.

On the day of the visit it was observed that the warehouse was quiet full of waste products; IBC, FIBC, drums and EU approved pallet boxes. Management advised that this was due to the fact that the waste disposal company in Belgium was in the process of moving premises and there was a back-log in deliveries to them.

All flammable waste was stored in sealed IBC's or drums. Flammable material was stored in various locations within the warehouse, in the racks and on the ground. Management advised that waste stock on site is carefully managed to minimise the storage of waste.

All waste is collected by trained HAZCHEM Guardian personnel using company licensed vehicles. Guardian has a policy of not accepting any waste from its customers unless it is clearly labelled and contained in sealed undamaged container.

The racking was observed in good condition and was labelled with the safe working load (SWL). Management advised that the racking was subject to routine inspection by staff and independent inspection by a competent person on an annual basis.

The racking was three levels high, management has a rack stacking policy whereby heavy IBC's pallets are stored at low level and light pallets, drums are stored at high level. All drums and containers stored at high level are pallet wrapped to secure the load from falling.

Two spill kits including portable bunds are available within the warehouse in the event of a leakage or spillage and staff are all trained in chemical spill safety and control. In the event of a spill occurring due for example; drum leak or IBC damage, management keep spare empty containers available for such emergency situations and the product would be transferred to the new container.

The warehouse has adequate fire fighting equipment and all staff has received fire extinguisher training. Fire equipment is on an annual service contract. The warehouse and offices is fitted with an automatic monitored fire detection system which is on a quarterly maintenance contract. The warehouse is secure when not in use and is fitted with a monitored security alarm system.

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The warehouse has two battery operated forklift and chargers, operated by a trained and licensed forklift driver. The forklifts are maintained and serviced by a competent contractor.

5.0 Warehouse ATEX Classification

Currently the warehouse is classified as an ATEX Zone 2; abnormal/emergency explosion risk scenario (see table 2 for exact definitions) due to the haphazard storage of flammable materials (liquids and solids) in various locations within the warehouse. Within the waste solvent IBC's, drums and containers are classified as ATEX Zone 0; continuous explosion risk.

The main explosion risk associated with this waste activity would be due to a leakage of a 600- 1000lt solvent IBC or 200lt drums within the warehouse, the spill spreading uncontrolled within the warehouse and ignition of the flammable vapours within the explosive range due to an electrical spark etc.

Flammable solid waste poses a negligible explosion risk within the warehouse due to its containment in sealed containers, size and type of containers, relatively high flash point of oil wastes (various) and physical composition. Flammable solid waste (rags etc) poses more of a fire risk in the warehouse.

See ATEX Risk Assessment in Appendix 1.

If the recommendations of this Risk Assessment report as highlighted in Section 6.0 of this report are implemented as outlined, the area of risk (zone 2) could be limited to the bulk liquid solvent two bays inside the main entrance door. Any solvent spillages in this area would be contained within the bund and the ramp. Due to its location, close proximity to the goods opening; the ventilation would be considered to be Natural, High and availability is good. The removal of electrical ignition sources from this area and the implementation of the organisational controls as indicated will adequately control this explosion risk.

5.1 Hazardous Area Classification

Hazardous areas are classified into zones based upon the frequency of the occurrence and duration of an explosive gas atmosphere, as follows:

Table 2: Zone Classification

Zone	Description
Zone 0	A place in which an explosive atmosphere consisting of a mixture with air of flammable substances in the form of gas, vapour or mist is present continuously or for long periods or frequently
Zone 1	A place in which an explosive atmosphere consisting of a mixture with air of flammable substances in the form of gas, vapour or mist is likely to occur in normal operation occasionally.
Zone 2	A place in which an explosive atmosphere consisting of a mixture with air of flammable substances in the form of gas, vapour or mist is not likely to occur in normal operation but, if it does occur, will persist for a short period only.

6.0 Recommendations for ATEX Compliance

1. Segregate flammable solvent IBC's to a designated rack area, the first two bays inside the main goods entrance door. This area is well ventilated due to goods entrance door. Any flammable spills will be contained between the entrance bund and speed ramp area, just inside the goods entrance door. Confirm that spills in this area are contained.
2. Waste solvent IBC should be stored on the first rack level only.
3. Solid flammable waste should be stored in designated racking area only, preferable in the bays adjacent to flammable liquids..
4. Pallets of products must not be stored in the entrance area of the warehouse and restrict access/egress for the forklift. This needs to be enforced by site management. Erect warning sign or cross-hatch ground.
5. Relocate battery charging to rear of the warehouse. Battery charging would be considered an ignition source for fires, so no combustibles should be stored in battery charging area.
6. Remove the sockets in the existing battery charging area.
7. Relocate the electrical services (light switch, fire alarm call point, fire sounder, door controls) on the wall apposite the new designated solvent store area.
8. Replace high level light fitting in the first bay with an Ex rated type E Ex II G3 T3 or equivalent.
9. IBC's should be secured to forklift prior to transportation within yard and warehouse.
10. Door to the office off warehouse should be fitted with a self closing mechanism.
11. Update the facility emergency plan to include in the event of a flammable spillage; Isolation of the forklifts or restrict forklift access to warehouse in the event of a spillage.
12. Repair the door motor at high level- casing does not look secure.
13. Issue all staff with anti-static footwear.
14. Erect warning signage restricting the use of mobile phones in warehouse.
15. Erect "flammable storage area" signage in designated waste area for liquid and solids.
16. Erect warning ATEX signage at entrance to warehouse.
17. Ensure leg guards are fitted to racking system used to store waste solvent IBC's.
18. Purchase a calibrated LEL gas meter to use in the event of an flammable spillage emergency.
19. Hot work (welding, cutting, burning, brazing etc) should be strictly managed and should only be carried out in the warehouse once all flammable liquids and solids are removed.

Appendix 1

Guardian Silver Lining					
Hazardous Area Classification & ATEX Risk Assessment					
Date; August 2010	Completed by; Gary Horgan (CMSE)				Sheet No.: 1/2
Location: Flammable waste handling warehouse Unit 61 Cookstown, Tallagh	Equipment Used: Flammable containers Racking system Forklift operation Electrical lighting & power	Ventilation: Type – Natural Degree – Low Availability - Poor	Type of Zone & Extent Surround Area (Zone): Zone 0 within waste solvent (liquid and solids) IBC's, drums, pallet boxes		
Explosive Atmosphere Present/ Source of Release	Release: Continuous Primary Secondary	Potential Ignition Sources	Potential Consequence	Basis of Safety	Additional Control Measures/Comments
Continuous explosion risk within the; Waste flammable solvent IBC's Waste flammable drums Waste flammable boxes	Continuous	None	None	Flammable solvents stored in sealed, IBC's, drums.	All containers are clearly labelled Emergency Procedures in place in the event of a spillage All staff trained in HAZCHEM and emergency procedures Management staff safety competency: Dangerous Good Safety Advisors (DGSA) and to Diploma in Health & Safety level.

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Guardian Silver Lining					
Hazardous Area Classification & ATEX Risk Assessment					
Date: August 2010			Completed by: Gary Horgan (CMSE)		
Location:			Sheet No.: 2/2		
Flammable waste handling warehouse Unit 61 Cookstown, Tallagh	Equipment Used: Flammable containers Racking system Forklift operation Electrical lighting & power	Ventilation: Type – Natural Degree – Medium Availability - Good	Type of Zone & Extent Surround Area (Zone): Zone 2 within the warehouse- ground floor		
Explosive Atmosphere Present/ Source of Release	Release: Continuous Primary Secondary	Potential Ignition Sources	Potential Consequence	Basis of Safety	Additional Control Measures/Comments
Secondary explosion risk within warehouse- ground floor area Waste solvent Container failure/leak	Electrical spark for misc electrical equipment; battery chargers, sockets, controls, pumps etc Spark from forklift Static Impact spark	Explosion	See control measures/comments	Facility does not take in damaged containers Emergency Procedures in place in the event of a spillage All staff trained in HAZCHEM and emergency procedures Management staff safety competency; Dangerous Good Safety Advisors (DGSA) and to Diploma in Health & Safety level. Restricted access area Trained forklift driver No smoking policy in place Hot work is not allowed under any circumstances in the warehouse See recommendation in report	



Environmental Protection Agency

| PRTR# : W0122 | Facility Name : Guardian Environmental Services Ltd |
 Filename : W0122_2010.xlsm | Return Year : 2010 |

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.12

REFERENCE YEAR	2010
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1. FACILITY IDENTIFICATION

Parent Company Name	Guardian Environmental Services Limited
Facility Name	Guardian Environmental Services Ltd
PRTR Identification Number	W0122
Licence Number	W0122-01

Waste or IPPC Classes of Activity

No.	class name
4.3	Recycling or reclamation of metals and metal compounds. Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
4.13	

Address 1	Unit 61, Cookstown Industrial Estate
Address 2	Belgard Road
Address 3	Tallaght
Address 4	Dublin 24
	Dublin
Country	Ireland
Coordinates of Location	-6.37534 53.2913
River Basin District	IEEA
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Lee Douglas
AER Returns Contact Email Address	joanleedouglas_1@hotmail.com
AER Returns Contact Position	Managing Director
AER Returns Contact Telephone Number	01-4587270 / 086-2604437
AER Returns Contact Mobile Phone Number	086-2604437
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	1
Number of Operating Hours in Year	2080
Number of Employees	10
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
50.1	General

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

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

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		Licence/Permit No of Next Destination Facility (EPA Licence No of Recipient/Disposer)	Haz Waste - Address of Next Destination Facility (Non Recipient/Disposer)	Name and License / Permit No. and Address of Final Receiver / Disposer (Hazardous Waste ONLY)	Actual Address of Final Destination (Hazardous Waste ONLY)
						MIC/E	Method Used				
Within the Country	09 01 01	Yes	55.0	water-based developer and activator solutions	R13	E	Volume Calculation	Enva Ireland,W0041	Smithstown Industrial Estate,Shannon,Co. Clare,,Ireland	Edelchemie Ltd,LP3637SP,Holland House Valley Way,The Welland Industrial Estate,Leicester,LE16 7PS,United Kingdom	Holland House Valley Way,The Welland Industrial Estate,Leicester,LE16 7PS,United Kingdom
Within the Country	09 01 02	Yes	223.0	water-based offset plate developer solutions	D9	E	Volume Calculation	Enva Ireland,W0041	Smithstown Industrial Estate,Shannon,Co. Clare,,Ireland	Edelchemie Ltd,LP3637SP,Holland House Valley Way,The Welland Industrial Estate,Leicester,LE16 7PS,United Kingdom	Holland House Valley Way,The Welland Industrial Estate,Leicester,LE16 7PS,United Kingdom
Within the Country	09 01 04	Yes	118.0	fixed solutions	R13	E	Volume Calculation	Enva Ireland,W0041	Smithstown Industrial Estate,Shannon,Co. Clare,,Ireland	Edelchemie Ltd,LP3637SP,Holland House Valley Way,The Welland Industrial Estate,Leicester,LE16 7PS,United Kingdom	Holland House Valley Way,The Welland Industrial Estate,Leicester,LE16 7PS,United Kingdom
Within the Country	14 06 03	Yes	286.0	other solvents and solvent mixtures	R13	E	Volume Calculation	Rilla Environmental,W0192-02	Greenogue Industrial Estate,Rathcoole,Co. Dublin,,Ireland	ATM,Licence 03-7623,Vlasweg 12,NL 4782,Moerdijk,,Netherlands	Vlasweg 12,NL 4782,Moerdijk,,Netherlands
Within the Country	14 06 02	Yes	52.0	other halogenated solvents and solvent	R13	E	Volume Calculation	Rilla Environmental,W0192-02	Greenogue Industrial Estate,Rathcoole,Co. Dublin,,Ireland	ATM,Licence 03-7623,Vlasweg 12,NL 4782,Moerdijk,,Netherlands	Vlasweg 12,NL 4782,Moerdijk,,Netherlands
To Other Countries	08 01 11	Yes	60.0	waste paint and varnish containing organic solvents or other dangerous substances	R1	E	Volume Calculation	Recyfuel SA,D3200/61080/RGPE/D2 009/2/AP-PU	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um	Recyfuel d'Ehein,B4480,Engis,,Belgi um	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um
To Other Countries	15 02 02	Yes	94.0	absorbents, filler materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	R1	E	Weighted	Recyfuel SA,D3200/61080/RGPE/D2 009/2/AP-PU	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um	Recyfuel d'Ehein,B4480,Engis,,Belgi um	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um
To Other Countries	08 03 12	Yes	81.0	waste ink containing dangerous substances	R1	E	Volume Calculation	Recyfuel SA,D3200/61080/RGPE/D2 009/2/AP-PU	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um	Recyfuel d'Ehein,B4480,Engis,,Belgi um	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um
To Other Countries	15 01 10	Yes	81.0	packaging containing residues of or contaminated by dangerous substances	R1	E	Weighted	Recyfuel SA,D3200/61080/RGPE/D2 009/2/AP-PU	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um	Recyfuel d'Ehein,B4480,Engis,,Belgi um	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um
To Other Countries	08 01 12	No	4.0	waste paint and varnish other than those mentioned in 08 01 11	R1	E	Volume Calculation	Recyfuel SA,D3200/61080/RGPE/D2 009/2/AP-PU	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um	Recyfuel d'Ehein,B4480,Engis,,Belgi um	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um
Within the Country	12 01 03	No	91.0	non-ferrous metal filings and turnings	R4	M	Weighted	Cummins Metal Recycling,WPR 045	Road,Clondalkin,Dublin,22,Ireland	Recyfuel SA,D3200/61080/RGPE/D2 008/2/AP-PU,Zoning Industriel d'Ehein,B4480,Engis,,Belgi um	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um
To Other Countries	08 04 09	Yes	10.0	waste adhesives and sealants containing organic solvents or other dangerous substances	R1	E	Volume Calculation	Recyfuel SA,D3200/61080/RGPE/D2 009/2/AP-PU	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um	Recyfuel d'Ehein,B4480,Engis,,Belgi um	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um
Within the Country	12 01 01	No	19.0	ferrous metal filings and turnings	R4	E	Weighted	Multimetals,WVW 09001401	Wicklow Town,,Wicklow Town,,Ireland	Recyfuel SA,D3200/61080/RGPE/D2 008/2/AP-PU,Zoning Industriel d'Ehein,B4480,Engis,,Belgi um	Zoning Industriel d'Ehein,B4480,Engis,,Belgi um

Transfer Destination	European Waste Code	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/ Name and Licence/Permit No of Recover/Disposer	Hazardous	Name and Licence/ Permit No. and Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination (ie Final Recovery /Disposal Site) (HAZARDOUS WASTE ONLY)
					M/C/E	Method Used					
To Other Countries	08 03 13	5.0	waste ink other than those mentioned in 08 03 12	R1	E	Volume Calculation	Abroad	Recycling SA.D3200/61080/RGPE/D2 0082/AP-PU	Zoning Industrial d'Ehein,B4480,Engis,.,Belgi um		
Within the Country	11 01 10	25.0	sludges and filter cakes other than those mentioned in 11 01 09	R13	E	Weighted	Offsite in Ireland	Riita Environmental,W0192-02	Greenogue Industrial Estate,Rathcoole Co. Dublin,.,Ireland		
Within the Country	18 01 09	22.0	medicines other than those mentioned in 18 01 08	D10	E	Weighted	Offsite in Ireland	Riita Environmental,W0192-02	Greenogue Industrial Estate,Rathcoole Co. Dublin,.,Ireland		
Within the Country	15 01 10	6.0	packaging containing residues of or contaminated by dangerous substances	D15	E	Weighted	Offsite in Ireland	Riita Environmental,W0192-02	Greenogue Industrial Estate,Rathcoole Co. Dublin,.,Ireland	KTK Landfill,W081-03 Kilcullen,.,Kildare,.,Ireland	
Within the Country	13 02 08	42.0	other engine, gear and lubricating oils	R13	E	Volume Calculation	Offsite in Ireland	Riita Environmental,W0192-02	Greenogue Industrial Estate,Rathcoole Co. Dublin,.,Ireland	Riita Environmental,W0192-02 Greenogue Industrial Estate,Rathcoole,Dublin,.,Ireland	
Within the Country	16 06 01	9.0	lead batteries	R13	E	Weighted	Offsite in Ireland	Riita Environmental,W0192-02	Greenogue Industrial Estate,Rathcoole Co. Dublin,.,Ireland	Greenogue Industrial Estate,Rathcoole,Dublin,.,Ireland	
Within the Country	08 01 11	5.0	waste paint and varnish containing organic solvents or other dangerous substances	R13	E	Volume Calculation	Offsite in Ireland	Allied Industrial Estate,Kylemore Road,Dublin,10,Ireland	Industrial d'Ehein,B4480,Engis,.,Belgi um	Zoning Industrial d'Ehein,B4480,Engis,.,Belgi um	
Within the Country	09 01 01	10.0	water-based developer and activator solutions	R13	E	Volume Calculation	Offsite in Ireland	Riita Environmental,W0192-02	Greenogue Industrial Estate,Rathcoole Co. Dublin,.,Ireland	Remondis UK,WML 0707,Blackrod,Bolton,Lancashire,BL6 5SL,United Kingdom	Blackrod,Bolton,Lancashire,BL6 5SL,United Kingdom
Within the Country	09 01 02	13.0	water-based offset plate developer solutions	R13	E	Volume Calculation	Offsite in Ireland	Riita Environmental,W0192-02	Greenogue Industrial Estate,Rathcoole Co. Dublin,.,Ireland	Remondis UK,WML 0707,Blackrod,Bolton,Lancashire,BL6 5SL,United Kingdom	Blackrod,Bolton,Lancashire,BL6 5SL,United Kingdom
Within the Country	09 01 04	10.0	fixed solutions	R13	E	Volume Calculation	Offsite in Ireland	Riita Environmental,W0192-02	Greenogue Industrial Estate,Rathcoole Co. Dublin,.,Ireland	Remondis UK,WML 0707,Blackrod,Bolton,Lancashire,BL6 5SL,United Kingdom	Blackrod,Bolton,Lancashire,BL6 5SL,United Kingdom
Within the Country	20 01 21	3.0	fluorescent tubes and other mercury-containing waste	R4	E	Weighted	Offsite in Ireland	Irish Lamp Recycling,KE-08-034801	Kilkenny Road,Atthy,Kildare,.,Ireland	Kilkenny Road,Atthy,Kildare,.,Ireland	
Within the Country	16 02 13	4.0	discarded equipment containing hazardous components (16 02 09 to 16 02 12 mentioned in 16 02 09 to 16 02 12)	R5	E	Weighted	Offsite in Ireland	Rehab Recycle,WFP-DS-10-0008-02	77 Broomhill Road,Tallaght,Dublin,24,Ireland	77 Broomhill Road,Tallaght,Dublin,24,Ireland	
Within the Country	16 02 14	7.0	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	R5	E	Weighted	Offsite in Ireland	Rehab Recycle,WFP-DS-10-0008-02	77 Broomhill Road,Tallaght,Dublin,24,Ireland	77 Broomhill Road,Tallaght,Dublin,24,Ireland	
Within the Country	09 01 07	15.0	photographic film and paper containing silver or silver compounds	R13	E	Weighted	Offsite in Ireland	Irish Metal Refiners,WCP-MH-10-0003-01	Unit 2,Duleek Business Park,Duleek,Meath,.,Ireland		