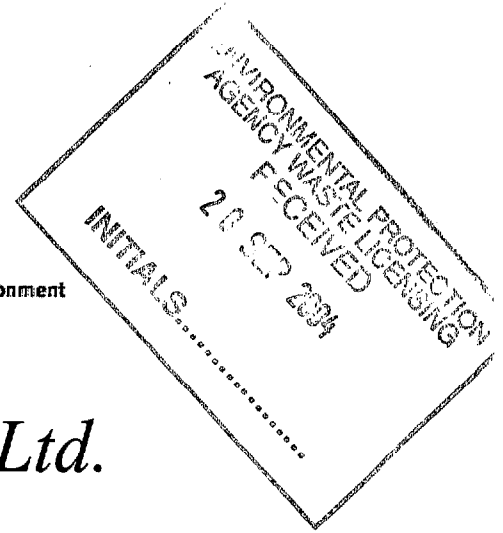




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Section F

Environmental Nuisances



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Section F1

Aerosol Control

F.1 AEROSOL CONTROL

Atmospheric aerosols originate from natural and man-made sources. Man-made aerosol particles are produced in industrial and urban areas of the northern hemisphere by conversion of gases (e.g. SO₂ and NO_x) into liquids in chemical reactions, and through emissions of graphitic carbon. This type of pollution takes part in the acidification of rain and reduction of visibility. Such emissions may be expected from burning of waste. No such activities will be carried out on-site.

The proposed operations on-site will not give rise to any aerosols, and liquid waste will not be accepted on site, therefore it is considered that aerosol control measures will be not required.

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Section F2


Bird Control

F.2 BIRD CONTROL

As part of the Waste Licence (Register No. 152-1), Oxygen Environmental Ltd. was requested to implement an Environmental Management System (EMS) for the facility. As part of this EMS, a bird control procedure has been developed and implemented at the site. Under this procedure all waste that is accepted on site will be covered, or held within contained vehicles. Any waste that is temporarily stored outside will be held within covered or self contained units. This method shall ensure that there is no 'food' source available for birds. As a result it is considered that bird control is not necessary at this facility. However, as per the procedure, this situation will be monitored on a weekly basis by the Facility Manager (or his/her deputy). A copy of this procedure is attached.

The Bird Control procedure shall be amended, as part of the review of the entire Environmental Management System, should the waste licence for the facility be reviewed.

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	Oxygen Environmental Ltd. Environmental Management System Operational, Control and Monitoring Procedures	11
Title	Bird Control	Page 1 of 1

1.0 Purpose

The purpose of this document is to outline the procedure required for the control and monitoring of birds at the facility.

2.0 Responsibility

Facility Management are responsible for the implementation of procedures to control processes with potential environmental impacts, including the control of birds.

3.0 Procedure

Birds are not currently a nuisance problem on site as putrescible waste is not accepted at the facility. The facility is inspected regularly to ensure that this continues to be the case.

All waste with the exception of C&D waste is processed indoors to minimise access to waste by birds. Waste entering the site is in covered or netted containers to prevent bird access.

Any waste falling on the ground is cleaned up immediately to prevent birds being attracted onto the site. If birds start to cause a nuisance on the site, the following procedures will be implemented.

A bird scarer which emits bird distress calls will be operated at the site to scare off seagulls and other birds. The distress calls are operated on a half-hour basis to deter birds from accessing the site.

If birds start landing at the site then the alarm will be operated at intervals of 5 minutes to scare the birds away from the site. A yard operative will be instructed to keep a watch at the entrance to the sheds and to deter any birds trying to access the sheds.

On a weekly basis, the facility and surrounding area will be monitored by the Facility Manager or Yard Supervisor or other such person as may be nominated by him/her, for bird nuisance and a weekly nuisance inspection report filled in. If a bird nuisance is detected during this monitoring, it will be dealt with immediately as per the above procedure.

4.0 Related Documents

Nuisance monitoring reports.
Waste Acceptance Procedures.
Complaints handling procedure.



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Section F3

Dust Control

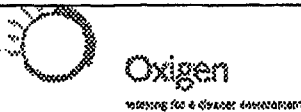
F.3 DUST CONTROL

Oxigen Environmental Ltd. has developed a procedure for dust and mud control at the site, as part of the Environmental Management System. This procedure outlines methods of reducing dust on site, such as spraying the concrete areas during dry weather periods etc. and is attached here. All waste operations on site are undertaken within the waste processing building, with the shutters closed at all times except when a lorry is unloading. These methods, as well as the strict practise of ensuring that all waste is covered prior to entering the site, will ensure that dust levels are minimised on site.

A weekly dust inspection is undertaken by the Facility Manager (or his/her deputy), from which a report is logged. The site is currently monitored three times a year for dust deposition at the boundaries of the site, in accordance with the Waste Licence (Register No. 152-1).

It is therefore deemed that other additional dust control measures are not required for this site. Should the facility obtain a review of licence, and change the process on site, all operational procedures shall be amended to reflect this change.

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	Oxygen Environmental Ltd. Environmental Management System Operational, Control and Monitoring Procedures	9
Title	Dust and Mud Control	Page 1 of 2

1.0 Purpose

The purpose of this document is to outline the procedure for the control and monitoring of dust and mud at the facility.

2.0 Responsibility

Facility Management are responsible for the implementation of this procedure in order to control processes with potential environmental impacts, including the control of dust and mud.

3.0 Procedure

All waste, with the exception of C&D waste, is processed indoors to minimise dust generated by the waste.

C&D waste is kept at a level so as not to cause a dust and mud nuisance.

If dust levels start to build around the yard on a dry day, the yard will be sprayed and swept regularly by a sweeping machine to suppress dust generation.

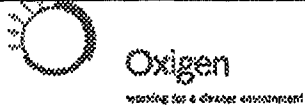
The yard will if necessary, be sprayed and swept and on a daily basis (particularly during summer months) to ensure that dirt does not give rise to a dust nuisance.

Wheels of lorries will be inspected regularly by both drivers and the Yard Supervisor, for mud being carried either into or out of the site. If there is any mud seen on the wheels, then the lorry will be directed to the power washer where the wheels will be cleaned.

On a weekly basis the facility and surrounding area will be monitored for dust nuisance by the Facility Manager or Yard Supervisor or other such person as may be nominated by him/her and a dust control report completed. If a dust nuisance is detected during this inspection, it will be dealt with immediately as per the above procedure.

If a complaint is received regarding dust off the site, it will be investigated immediately by the Facility Manager and dealt with as above. A complaints handling / corrective action form will be filled in.

Dust monitoring takes place three times a year, and this is carried out by an external consultant. Two of these sampling events are scheduled to take place between the months of May and September as per waste license 152-1. Should any of the results breach the emission limit value set for dust an incident report form will be lodged with the EPA and the reasons which may have caused such elevated dust levels investigated immediately.

	Oxygen Environmental Ltd. Environmental Management System Operational, Control and Monitoring Procedures	9
Title	Dust and Mud Control	Page 2 of 2

4.0 Related Documents

TMS Dust sampling procedure.
 Dust sampling results
 Weekly Nuisance Inspections Sheets
 Complaints handling procedure.
 Complaints handling form.
 Incident Report Form

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Section F4

Fire Control

F.4 FIRE CONTROL

As part of the Environmental Management System, Oxigen Environmental Ltd. has implemented an emergency response procedure (Procedure No. 17, attached). As part of this procedure, fire control has been addressed. In line with this procedure, the following measures have been implemented to deal with any fires at the facility: -

- There are two fire hydrants currently located on-site, which are supplied from the mains water supply.
- Fire extinguishers and hose reels are strategically located on-site.
- It is proposed to install a fire alarm within the waste processing and maintenance shed.
- All Oxigen Environmental Ltd. trucks and/or plant equipment entering or operating on-site carry fire extinguishers.
- Training of employees in fire prevention and control is carried out.
- Prominent posting of emergency response contact numbers (fire, gardai, ambulance and other agencies).
- No smoking signs will be displayed in all relevant (namely areas of high risk) on site.
- All waste stored at the facility is stored within the waste processing building or stored in covered/sealed containers.

Oxigen Environmental Ltd. currently complies with all fire control conditions required for the site. The Emergency Response Procedure will be amended to reflect any changes that may occur on site due to this review of waste licence.

Emergency Response Procedure



Revision: 0.0

17

Date: 01/08/03

Preamble:

This document has been prepared by Oxygen Environmental (hereafter called 'the Company') to ensure safe and efficient handling of any and all emergency situations which may arise @;

*Robinhood Road
Clondalkin
D22.
(hereafter called 'the Facility').*

It is to be used in conjunction with the current revision of the Safety Statement. A pre-fire plan governing the current activities in the above referenced Facility is being implemented in conjunction with the local fire authority .

Should the substantive operation or purpose of the above mentioned this Facility alter in the future the Company shall revise this procedure and the pre-fire plan accordingly. The local fire authority shall be kept advised of such changes.

1 Purpose / Scope

The purpose of this document is to describe the methods employed by the Company in the event of an emergency arising at the Facility .

This method shall ensure;

- All emergencies are reported to the Company
- All emergencies are investigated
- All appropriate corrective action is implemented by the Company to prevent reoccurrence of the Emergency.
- All actions and outputs from emergencies are reviewed at appropriate intervals to ensure their effectiveness

2 Definitions

For the purpose of this document an 'emergency' shall be defined as;

Issued on: 01/08/03	Approved by: Health & Safety Manager	Doc. No 88 Page 1 of 6
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Proprietary material of Oxygen Environmental Ltd

- Complete breakdown of equipment or any other occurrence which results, or could result in the closure of the Facility.
- Any significant spillage occurring on site.
- Any fire at the Facility.

For the purposes of this document 'The Agency' shall refer to the Environmental Protection Agency.

3 Records

Fire drill procedure

Hot-works procedure

Waste Transfer Docket (material being transported off-site)

Material Safety Data Sheets of all materials knowingly retained at the Facility

4 Procedure

4.1 Notification

All staff members are obliged to report every emergency situation to the Facility Manager or his/her deputy.

Depending on the nature of the emergency the Facility Manager or his/ her deputy shall implement the appropriate corrective action as per section 4.3.

4.2 Incident investigation

Once the appropriate corrective action has been implemented, the Facility Manager shall carry out an incident investigation. To carry out this investigation the Facility Manager may enlist the assistance of any other staff member or external agent /consultant.

At a minimum this investigation shall include, and record;

- The time, date and exact location of the incident
- The nature, source and cause of the incident (where this cannot be determined immediately the steps taken to perform a more detailed analysis shall be detailed)
- Any potential emissions arising (where appropriate)
- Steps taken to isolate such emissions (where appropriate)
- Steps taken to minimise the effects of these emissions (where appropriate)

Once the investigation has been completed the Facility Manager shall present his/her findings to the Management of the Company. Based on the investigations findings measures shall be devised and implemented to prevent recurrence of the emergency. At this juncture any other corrective measures deemed appropriate shall also be devised and implemented.

All measures taken and the nature of the incident itself shall be reported to The Agency by the Facility Manager as per Condition 11.2 of Waste License 152-1.

4.3 Emergency type specific corrective action

4.3.1 Spillages

All spillages, however minor, must be reported to the Facility Manager, who will assess the situation and decide on a course of action. The main spillage risks come from:

Vehicles being repaired on the site
Storage tank leaking
Skips that contain oil products being tipped

The Facility Manager may delegate yard personnel to deal with the spillage, referring to the MSDS where appropriate. For spillages involving materials hazardous to health and the environment, the area is to be isolated with barrier tape to keep out unauthorised personnel.

The extent of the incident is quickly assessed and the fire alarm is sounded if deemed necessary.

The spilled chemical is identified and its associated hazards established. (This information is generally available from the MSDS or the container). The Facility Manager is consulted for specific hazard and clean-up information and any particular precautions, such as personal protective equipment.

Fire fighting equipment shall be retained on site for use in the event of a spillage of flammable chemical. All staff on site shall be trained in effective use of this equipment by an approved supplier. In the event of an evacuation the wind direction and speed to be assessed by the Facility Manager personnel and where possible personnel evacuated upwind of the spillage.

If there is a risk of the spillage spreading and entering storm drains or the soil environment, it is contained using 'Oil dri' or any other suitable absorbent / containment material.

Spillage are prevented from entering a storm drain by using *Drizit* spill-stopper mats or any other suitable absorbent / containment material. If the spillage originates from a drum, it is positioned so that the ruptured section is at the top, thereby preventing further leakage. The ruptured drum is deposited into a salvage drum container, labelled and stored in the drum store.

The Facility Manager or his/her deputy shall ensure adequate quantities of 'Oil-Dri' and *Drizit* mats or any other suitable absorbent / containment material are retained on site . During normal operating circumstances adequate quantities shall be defined as 10 No. 5kg bags of *Oil Dry* and 6 No. *Drizit* spill –stopper mats.

Using a shovel and brush, absorbent chemical is transferred into a polyethylene lined drum or other suitable container and labelled correctly. This will be disposed of by an agency approved contractor.

The quantity of material spilled is estimated and the agency and Local Authority informed, if necessary, by the Facility Manager. An investigation report should be prepared on the spillage by the Facility Manager as per Section 4.2.

4.3.2 Breakdown / Restricted Access

The principal plant retained on site includes skips, skip collection vehicles, ejection trailers, telescopic handlers, track machines, one waste compactor, open top trailers and ancillary vehicles. Should any of these components of the operation be damaged or written off, operations would not be hampered to the extent that the facility would have to be closed.

In the unlikely event that the facility had to be closed for any other reason all operations would be run from the Oxigen Environmental North Eastern depot located at Coes Road Dundalk, Co. Louth.

4.3.3 Fire

4.3.3.1 Facility Fire prevention

Fire Safety Audits shall be conducted at the facility on a half yearly basis.

A fire drill procedure shall be implemented at the facility.

A hot-work permit procedure shall be implemented at the facility

Smoking shall be prohibited in the yard and sorting areas.

4.3.3.2 Staff Training & Fire fighting equipment

All staff and personnel at the facility shall be trained in general fire awareness and use of fire fighting equipment provided by an approved supplier.

For the purposes of fighting fires at the Facility the following shall be provided;

1 No. Bull-dog break glass alarm
1 No. 2kg CO ₂ extinguisher
1 No. 6 foam extinguisher
1 No. 50 L foam extinguisher (mobile)
4 No. 75m hose lengths
1 No. Bagnett key and bar set

All fire fighting equipment shall be serviced and maintained by an approved supplier on a six monthly basis.

4.3.3.3 The 'Fire team'

A 5 member 'fire team' shall be trained to deploy the fire hose from the hydrant located outside the main gate to the site of the fire within the facility. The purpose of this training is to assist the fire brigade on their arrival, facilitate the evacuation of the facility and minimise the need for fire water retention on site.

No staff member is obliged to fight a fire in the Facility.

4.3.3.4 On discovery of a fire

On discovery of a fire by any staff member the fire alarm must immediately sound the alarm.

All fires at the Facility must be immediately notified to the facility manager or his/her deputy.

The facility manager must immediately notify Dublin Fire Brigade and the Ambulance service should any personnel be injured on site. A list of emergency phone numbers shall be retained on site in a clear location.

All personnel (with the exception of the 'fire team') must immediately vacate the Facility as per the fire drill procedure, and in accordance with the fire action signs on the facility. All personnel must gather at the fire point located outside the Facility.

Once gathered at the fire point the Facility manager shall take a roll-call and await further instructions from the Fire Brigade.

No person (other than the 'Fire team') must re-enter the Facility unless the all-clear has been given by the Fire Brigade.

4.4 Review

On an annual basis, the Facility Manager shall convene a meeting with the Management of the Company. The agenda for this meeting, shall include, as a minimum;

- Details of all emergencies arising in the last twelve months
- Details of all corrective action implemented during the last twelve months
- A review of the effectiveness of all corrective actions implemented in the last twelve months
- Details of any further or amended corrective actions required

Outputs/directives from this meeting shall be made known to all relevant personnel by the Facility Manager

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APPENDIX I:

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HOT WORK PROCEDURE- All Facilities- Oxigen Environmental Ltd.

“Hot Work”;

Hot work is a phrase used to describe all operations using flame, hot air or arc welding and cutting equipment, blowlamps, bitumen boilers, grinding wheels cutting discs and other equipment that produces heat or has a naked flame.

The essential features of this, and any hot work procedure should ensure;

- . Authorised only where safer methods of work are not available.
- . Hot work only carried out by trained personnel.
- . Continuous fire watch by trained person during & after hot work.
- . Hot work permit check-list.

THE WORKPLACE IN GENERAL

Where hot work is unavoidable, it is essential that the following precautions are taken :

- . A formal Hot Work permit should be issued.
- . Items to be the subject of Hot Work should be removed to a safe designated area.
- . Cutting and welding equipment should be in good repair and adequately secured.
- . There should be no combustible liquids, vapours, dust or gases present.
- . Work should be carried out by and under the supervision of a trained individual.

THE HOT WORK AREA

The facility manager must ensure that the area in the immediate vicinity of the hot work is fully secure. In particular :

An area within at least 10m of the Hot Work process is cleared of all loose combustible material. If it is to take place on one side of the wall, the other side should be examined for material that may ignite by conducted heat.

Hot work should only be carried out, in an area that will be occupied three hours after the work is completed.

Where combustible materials cannot be removed from the area, they are completely protected by non-combustible screens or blankets. Flammable liquids must always be removed from the area.

Combustible floors are covered with overlapping sheets of non-combustible material.

That the floor is swept clean of combustible materials.

That all wall and floor openings, and all gaps in the walls and floors, through which sparks could pass, are covered with sheets of non-combustible material.

Where work is above floor level, that no combustible material is suspended beneath the work to collect sparks.

WORK ON WALLS OR CEILINGS

Where work is being carried out on walls on ceilings, the Facility Manager must ensure that;

constructions are protected by non-combustible curtains or sheets.

Combustibles should always be moved away from the opposite side of the wall or ceiling and cleared of any metal likely to conduct heat.

Where beams or pipes are being worked on, and they extend through walls or partitions, precautions must be taken on the far side of the walls or partitions.

WORK ON ENCLOSED EQUIPMENT

Where Hot Work is being carried out on an enclosed area i.e. tanks, containers, ducts etc. the containers need to be checked to ensure they are free of flammable vapours.

SETTING UP A FIREWATCH

Trained employees should be in attendance during and for one hour after the completion of the work. Both the firewatch employee and the operatives carrying out the hot work should know where the nearest fire alarm and where the telephone is located and must know what action to take in the event of a fire.

Other things to note :

- Escape Routes – Fire Points – Location of Fire Extinguishers – Alarm Call Points
- Telephones from which the Fire Brigade can be summoned
- Means of raising the alarm
- First Aid facilities

Upon completion of Hot Work, items such as paint stripping, hot stub ends of welding rods and other waste materials must be removed and disposed safely. All equipment, including gas cylinders, should be removed to a secure area.

HOT WORK PERMIT

Before beginning hot work, a hot work permit should be obtained from the facility manager.

This should be done on every occasion that hot work of any type is undertaken.

A permit should not be issued without considering the significance of any other permits to work in the vicinity, or adjacent manufacturing processes which may involve the use of flammable liquids or gas.

A hot work permit should be issued for a specific task that is to be undertaken in clearly identified area. It should not be issued for a protracted period. Separate permits should be issued for hot work, which extends from morning to afternoon periods.

HOT WORK PERMIT

Before issuing the permit : Can the work be done any other way or in the workshop?

IMPORTANT: Precautions Checklist must be followed

(1) Person doing the work:

Date:

Start time :

Finish time:

(2) Firewatch:

When the operation is complete, stay at location for 1 hour.

After 1 hour, notify facility manager of satisfactory completion of operation.

(3) Facility Manager:

Initially inspect work area and complete precaution checklist. Keep copy and issue original to person doing work. Make final inspection after hot work and fire watch completed.

Company :

Date :

Building :

Floor :

Work to be done :

Is Fire Watch required:

Yes

No

See below *

Work to be done by whom :

The location where this work is to be done has been examined, necessary precautions taken and permission is granted for this work. Permit expires (No more than one shift) :

Signed :

Job Title :

(individual responsible for authorising hot work)

Time Started :

Time Completed :

FINAL CHECK

The work area and adjacent areas to which sparks and heat may have spread (including floors above and below and on opposite sides of walls) have been inspected for 3 hours after the work was completed and were found fire safe.

Signed :
(Facility Manager or Fire Watcher)

Job Title :

*Fire Watchers shall be required by the individual responsible for authorising hot work wherever cutting or welding is performed in locations where other than a minor fire might develop, or where :

- a) Combustible material in building construction or contents is closer than 10m to operation.
- b) Appreciable combustibles are more than 10m away but are easily ignited by sparks.
- c) Wall or floor openings within 10m radius expose combustible material in adjacent areas, including concealed spaces in walls and floors.
- d) Combustible materials are adjacent to the opposite side of metal partitions, Walls, ceilings or roofs and are likely to be ignited by conduction or radiation.

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PRECAUTIONS CHECKLIST

General

- Cutting and welding equipment in good repair
- Area smoke detection isolated where appropriate
- Inspect contractors' equipment to certify it is in proper working order and in a fire safe condition prior to authorisation of permit.
- If work conducted on enclosed equipment, confined space entry permit issued.

Within 10m of work area

- Floors swept clean of all combustibles
- Combustible floors wet down or covered with damp sand, metal or other non-combustible shields.
- All ordinary combustibles and flammable/combustible liquids removed
- Covers suspended beneath elevated work to collect sparks
- All hazardous operations discontinued

Work on Walls or Ceilings

- Construction non-combustible and without combustible covering
- Exposed combustible ceiling and wall insulation covered or removed
- Combustibles moved away from opposite side of wall

Work on enclosed equipment (Tanks, containers, ducts, dust collectors)


- Equipment cleaned of all combustibles
- Containers purged of flammable vapours

Fire Watch

- Is fire watch needed ?
- Suitable fire extinguisher or hose steam available
- Trained in use of equipment and in raising/sounding the alarm
- Area smoke detection re-instated where appropriate after work completed

Final Check – ensure Hot Work Permit completed

Checklist completed. Signed :

	Oxygen Environmental Ltd. Environmental Management System Operational Monitoring and Control Procedures	17
Title	Emergency Response Procedures	Page 1 of 3

1 Purpose / Scope

The purpose of this document is to describe the methods employed by Oxygen Environmental Limited (hereafter called the Company), in the event of an emergency arising at the Robinhood Road depot.

This method shall ensure;

- All emergencies are reported to the Company
- All emergencies are investigated
- All appropriate corrective action is implemented by the Company to prevent reoccurrence of the Emergency.
- All actions and outputs from emergencies are reviewed at appropriate intervals to ensure their effectiveness

2 Definitions

For the purpose of this document an 'emergency' shall be defined as;

- Complete breakdown of equipment or any other occurrence which results, or could result in the closure of the Robinhood depot .
- Any significant spillage occurring on site.
- Any fire at the facility.

For the purposes of this document 'The Agency' shall refer to the Environmental Protection Agency.

3 Records

Waste Transfer Docket (material being transported off-site)

4 Procedure

4.1 Notification

All staff members are obliged to report every emergency situation to the Facility Manager or his/her deputy.

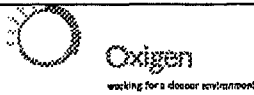
Depending on the nature of the emergency the Facility Manager or his/ her deputy shall implement the appropriate corrective action as per section 4.3.

4.2 Incident investigation

Once the appropriate corrective action has been implemented, the Facility Manager shall carry out an incident investigation. To carry out this investigation the Facility Manager may enlist the assistance of any other staff member or external agent /consultant.

At a minimum this investigation shall include, and record;

- The time, date and exact location of the incident
- The nature, source and cause of the incident (where this cannot be determined immediately the steps taken to perform a more detailed analysis shall be detailed)

	Oxygen Environmental Ltd. Environmental Management System Operational Monitoring and Control Procedures	17
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- Any potential emissions arising (where appropriate)
- Steps taken to isolate such emissions (where appropriate)
- Steps taken to minimise the effects of these emissions (where appropriate)

Once the investigation has been completed the Facility Manager shall present his/her findings to the Management of the Company. Based on the investigations findings measures shall be devised and implemented to prevent recurrence of the emergency. At this juncture any other corrective measures deemed appropriate shall also be devised and implemented.

All measures taken and the nature of the incident itself shall be reported to The Agency by the Facility Manager as per Condition 11.2 of Waste License 152-1.

4.3 Emergency type specific corrective action

4.3.1 Spillages

All spillages, however minor, must be reported to the Facility Manager, who will assess the situation and decide on a course of action. The main spillage risks come from:

- Vehicles being repaired on the site
- Storage tank leaking
- Skips that contain oil products being tipped

The Facility Manager may delegate yard personnel to deal with the spillage. For spillages involving materials hazardous to health and the environment, the area is to be isolated with barrier tape to keep out unauthorised personnel.

The extent of the incident is quickly assessed and the fire alarm is sounded if deemed necessary.

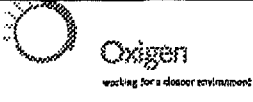
The spilled chemical is identified and its associated hazards established. (This information is generally available on the container). The Facility Manager is consulted for specific hazard and clean-up information and any particular precautions, such as personal protective equipment.

Fire fighting equipment shall be retained on site for use in the event of a spillage of flammable chemical. All staff on site shall be trained in effective use of this equipment by an approved supplier. In the event of an evacuation the wind direction and speed to be assessed by the Facility Manager personnel and where possible personnel evacuated upwind of the spillage.

If there is a risk of the spillage spreading and entering storm drains or the soil environment, it is contained using 'Oil dri' or any other suitable absorbent material.

Spillage are prevented from entering a storm drain by using *Drizit* spill-stopper mats. If the spillage originates from a drum, it is positioned so that the ruptured section is at the top, thereby preventing further leakage. The ruptured drum is deposited into a salvage drum container, labelled and stored in the drum store.

The Facility Manager or his/her deputy shall ensure adequate quantities of 'Oil-Dri' and *Drizit* mats are retained on site. During normal operating circumstances adequate quantities shall be defined as 10 No. 5kg bags of *Oil Dry* and 6 No. *Drizit* spill-stopper mats.

	Oxygen Environmental Ltd. Environmental Management System Operational Monitoring and Control Procedures	17
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Using a shovel and brush, absorbent chemical is transferred into a polyethylene lined drum or other suitable container and labelled correctly. This will be disposed of by an agency approved contractor.

The quantity of material spilled is estimated and the agency and Local Authority informed, if necessary, by the Facility Manager. An investigation report should be prepared on the spillage by the Facility Manager as per Section 4.2.

4.3.2 Breakdown / Restricted Access

The principal plant retained on site includes skips, skip collection vehicles, ejection trailers, telescopic handlers, track machines, one waste compactor, open top trailers and ancillary vehicles. Should any of these components of the operation be damaged or written off, operations would not be hampered to the extent that the facility would have to be closed.

In the unlikely event that the facility had to be closed for any other reason, all operations would be run from the Oxygen Environmental North Eastern depot located at Coes Road, Dundalk, County Louth.

4.3.3 Fire

At the time of composition of the Audit an approved Contractor has been employed by the Company to perform a fire safety audit and risk assessment at the Robinhood depot. Once completed an appropriate emergency response procedure shall be generated and copied to the fire authority for approval.

4.4 Review

On an annual basis, the Facility Manager shall convene a meeting with the Management of the Company. The agenda for this meeting, shall include, as a minimum;

- Details of all emergencies arising in the last twelve months
- Details of all corrective action implemented during the last twelve months
- A review of the effectiveness of all corrective actions implemented in the last twelve months
- Details of any further or amended corrective actions required

Outputs/directives from this meeting shall be made known to all relevant personnel by the facility manager



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Section F5

Litter Control

F.5 LITTER CONTROL

As part of the Environmental Management System designed for the facility, a litter control procedure (Procedure No. 13, attached) has been implemented. This procedure requires a daily visual inspection of the yard area and the completion of a daily report. On a weekly basis, an inspection of the surrounding areas shall be undertaken. If litter is found during these inspections, it will be collected and returned to the facility for processing, subject to landowners consent if the litter is discovered off-site.

The litter control procedure shall be amended to reflect any changes to the operations should the review of waste licence be successful.

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Section F6

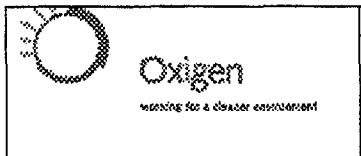
Odour Control

F.6 ODOUR CONTROL

As part of the Environmental Management System designed for the facility, an odour control procedure (Procedure No. 10, attached) has been implemented at the facility. All wastes that are processed on site will be treated within the waste processing building. The shutters shall be closed at all times, except when lorries/trucks are unloading. While the vehicles are unloading the rotary atomisers shall be activated. In the event that odour is identified on the site, the vaporisers will be activated within the buildings. It is considered that with the implementation of the above procedures, there will be no impact of odour on the surrounding environment.

The odour control procedure shall be amended to reflect any changes in on-site operations should the review of waste licence be successful.

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Title	Odour Control	Page 1 of 2

1.0 Purpose

The purpose of this document is to outline the procedure required for the control and monitoring of odour on and off site

2.0 Responsibility

Facility Management are responsible for the implementation of procedures to control processes with potential environmental impacts, including the control of odour generation at the facility.

3.0 Procedure

All waste with the exception of C&D waste is processed indoors to minimise odour nuisance.

The floors of the processing sheds are cleared and cleaned down on a daily basis.

All waste for disposal stored overnight at the facility is stored in suitably covered and enclosed containers, and removed within 48 hours after arrival at the facility except at bank holiday weekends when the waste is removed within 72 hours of its arrival on -site

Odours are currently not a problem at the facility because household municipal solid waste (MSW) is accepted at the facility. However, if MSW is accepted in the future, the following control measures will be implemented.


A vaporiser odour control system will be installed in the processing shed. The water vapor generated by such a system adheres to any airborne odour particles and grounds them. It also contains a masking agent to control any potential nuisance odours.

The vaporiser is timed to operate at half hour intervals through-out the working day.

If the day is warm and the odours get stronger then the vaporiser is timed to operate at more regular intervals. It may be operated constantly if necessary.

If a complaint is received regarding odour then the vaporiser is switched on immediately. The Facility Manager or other person nominated by him visits the site from which the complaint is received to determine the extent of the odour. They then returns to the yard to determine the source of the odour.

If it is from the general processing of the waste then the vaporising unit is switched on, on a constant basis until the odour nuisance has abated.

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<p align="right">Title</p>	<p>Odour Control</p>	<p align="right">Page 2 of 2</p>

If the odour is specifically from a particular load then the vaporiser will be kept on until the load has been re-loaded into a trailer and sent for immediate landfilling.

If an odorous load is identified by an operative then the vaporising unit will be switched on immediately and the load processed immediately or reloaded for direct landfilling.

On a weekly basis the facility and surrounding area will be monitored for odour nuisance and odour control report filled in. If an odour nuisance is detected during this monitoring, it will be dealt with immediately as per the above procedure.

4.0 Related Documents

- Weekly nuisance reports.
- Complaints handling procedure.
- Complaints handling and corrective action form.

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Section F7


Roads Cleansing

F.7 ROAD CLEANSING

As part of the Environmental Management System designed for the facility, a dust and mud control procedure (Procedure No. 9, as included in Attachment F.3) and a yard sweeping procedure (Procedure No. 16, attached) have been developed, both of which deal with road cleansing. The site surfacing consists entirely of hardstand, and therefore mud would not be an issue at this site. The access road and the wheels of the trucks will be inspected on a weekly basis. In the event that mud was present on the road or the yard area, the area would be cleaned within twenty-four hours on weekday and forty-eight hours at weekends. Oxygen Environmental Ltd. have road sweepers within their fleet, which are stored at the adjacent Ballymount Industrial Estate facility. These road sweepers would be used in the event of mud build up on the access road.

The Dust and Mud Control Procedure and the Yard Sweeping Procedure shall be amended to reflect any changes in on-site operations in the event that the review of waste licence is successful.

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<p align="right">Title</p>	<p>Yard Sweeping</p>	<p>Page 1 of 1</p>

1 Purpose / Scope

The purpose of this document is to describe the methods involved in sweeping the yard at Robinhood Waste Transfer Facility.

2 Records

Yard Sweeping Record Chart

3 Procedure

The yard is to be swept on average twice a week and more often during dry weather when there is increased dust generation. Sweeping schedules are to be arranged in advance with the Contracts Manager.

Before the sweeping machine arrives all large vehicles which may be on site i.e. skip trucks and/or trailers are to be parked to one side so that the main yard area is kept clear. Any large debris e.g. pieces of wood, stones, plastic, and litter should be removed from the ground to avoid damaging the machine.

When the machine arrives on site operatives are to remain in the vicinity of the shed to avoid straying into the path of the sweeper. Once the yard has been swept the Yard Sweeping Record Chart is to be completed either by the Cleansing Operative Supervisor or the Yard Supervisor.

3.1 Personal Protective Equipment

All operatives are issued with personal protective equipment (overalls, high visibility vest, safety boots and gloves) and this is **to be worn at all times** when working in the shed and around the yard. Should operatives require replacement items or if they require additional equipment e.g. dust masks they are to notify the Supervisor or Facility Manager.

<p>Issued on:</p>	<p>Approved by: Operations Manager</p>	
<p>11/02/03</p>		<p>Page 1 of 1</p>



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Section F8

Traffic Control

F.8 TRAFFIC CONTROL

Access to and from the site is controlled by security barriers operated by the weighbridge operator or the facility manager. Vehicles will enter the site via the north western entrance, where the weighbridge officer will record the necessary details, prior to allowing access onto the site. The weighbridge operator will direct the vehicle operator to the appropriate loading/waste inspection bay using a green light traffic system. When the vehicle operator has unloaded the waste, he/she will progress to the exit, where the weighbridge operator will record the necessary details prior to lifting the security barrier.

On average a vehicle will arrive on-site every seven minutes between the hours of 06:00 and 20:00. The staff car park is accessed through the same traffic system.

The site access gate is located approximately 14 m off the access road which enables any vehicle entering the site to drive completely off the public road thereby ensuring that there is no obstruction to the free flow of traffic on the access road.

The existing road network is of good design and state of repair, and has sufficient capacity. The road has been listed in the draft Development Plan for South Dublin County Council to be upgraded. Traffic management at the site is satisfactory; the previous volumes of site traffic that serviced this site presented no problems.

The projected traffic volumes are relatively low, particularly when compared to existing flows in the vicinity of the site, and are not expected to give rise to any problems in the area.



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Section F9

Vermin Control

F.9 VERMIN CONTROL

As part of the Environmental Management System designed for the facility, a vermin control procedure (Procedure No. 15) and a fly control procedure (Procedure No. 12) have been implemented at the facility. These procedures are attached. Pest control measures that will be undertaken at the facility consist of tamper resistant monitors provided by Irish Pest Management. Fly nuisance will be minimised by the rapid removal of degradable waste off-site, the washing of the floor within the buildings with disinfectant, the covering of all compacted waste and ensuring all skips are kept empty. All procedures, including the vermin control and the fly control, shall be amended to reflect any changes that may occur due to this review of licence.

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<p align="right">Title</p>	<p>Fly Control</p>	<p>Page 1 of 1</p>

1.0 Purpose

The purpose of this document is to outline the procedure required for the control and monitoring of flies on site.

2.0 Responsibility

Facility Management are responsible for the implementation of procedures to control processes with potential environmental impacts, including the control of vermin.

3.0 Procedure

All waste with the exception of C&D waste to be processed indoors.

The floors of the sheds will be cleaned on a daily basis.


All waste for disposal stored overnight at the facility is stored in suitably covered and enclosed containers, and removed within 48 hours after arrival at the facility, except at bank holiday weekends when the waste will be removed within 72 hours of its arrival on -site

If flies give rise to nuisance on the site an environmentally friendly insecticide will be sprayed in accordance with manufacturers guidelines. Flies do not pose a problem at the facility presently as putrescible waste is not accepted at the facility.

On a weekly basis the facility and surrounding area will be monitored for fly nuisance and a weekly nuisance inspection report filled in. If a fly nuisance is detected during this monitoring, insecticide will be sprayed by the Facility Manager or appointed yard operative in accordance with the above procedure.

4.0 Related Documents

Weekly nuisance inspection reports.
Complaints handling procedure.
Complaints Handling Sheets.

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Title	Litter Control	Page 1 of 1

1.0 Purpose

The purpose of this document is to outline the procedure required for the control and monitoring of litter on and off site

2.0 Responsibility

Facility Management are responsible for the implementation of procedures to control processes with potential environmental impacts, including the control of litter.

3.0 Procedure


On a daily basis a yard operative will inspect the yard and collect any litter that is visible. A daily litter inspection report will be completed.

If litter accidentally escapes from a skip or a bin lorry it will be cleared up immediately.

On a weekly basis a thorough inspection of the site and surrounding areas will be carried out by the Facility Manager or Yard Supervisor or other person nominated by them. A litter monitoring report will be filled out. Any litter on the site or at the entrance to the facility will be cleared up immediately. Any litter on adjoining property will be removed subject to the landowners consent immediately and in any event by 10.00am of the next working day after such waste is discovered.

4.0 Related Documents

Nuisance Inspection Reports.
Daily Litter Inspection Sheets.
Complaints Handling Sheets.
Complaints Handling Procedure.

	Oxygen Environmental Ltd. Environmental Management System Operational, Control and Monitoring Procedures	15
Title	Irish Pest Management Vermin Control	Page 1 of 2
Document: Section No: Title: Contractor:	Operating Procedures Manual OP30 Installation, Inspection and Reporting of Control Stations Irish Pest Management	

1. Purpose:

So that Inspection, Baiting and Reporting at rodent monitoring stations is done in a safe and effective manner.

2. Scope:

All customers' premises containing rodent monitors.

3. Responsibility:

Service Technicians

4. Records:

Service Report/ Checklist/Maps/Location Checklist

5. Procedure:

5.1 Installation.

Tamper resistant monitors are installed at all identified Critical Control Points. These stations are then mapped on a site plan and each one is assigned a unique number. Each monitor will contain a single block bait of registered rodenticide.

All monitors are fixed in position (where feasible) by a holding bracket which is in turn fixed to the floor by a suitable adhesive or fixing. External monitors will be fixed by wire, stake or nail.


5.2 Inspection

At each service inspection, the monitor is opened and bait examined. Spoiled baits are replaced. Unspoiled baits, which have rodent incisor marks, are rotated in order to expose an intact edge for further monitoring.

The monitor is dated, closed, dusted and all droppings in and around it are removed. It is then replaced in position.

5.3 Reporting

Stations which have no evidence of rodent activity and which remain in good condition are marked with ✓ on the checklist, they are not recorded on the service report.

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<p align="center">Title</p>	<p>Irish Pest Management Vermin Control</p>	<p>Page 2 of 2</p>
<p>Document: Section No: Title: Contractor:</p>	<p>Operating Procedures Manual OP30 Installation, Inspection and Reporting of Control Stations Irish Pest Management</p>	

Stations which have evidence of rodent activity are marked with X on the checklist , and are recorded on the service report under the following headings:
Station I.D., Status, Evidence, Action Taken.

The service report and checklist are returned to the customer's supervisor / manager for inclusion in the Service Folder and an oral report is made.

5.4 Temporary Stations

When rodent monitors indicate local infestation, which is considered to likely to put greater demand on these monitors vis-à-vis mass of rodenticide present / number of monitors etc.), the number of stations will be augmented on a temporary basis. The addition and removal of extra monitors is controlled by entries in the "additional corrective action" section of the service report.

5.5 Rodent Remains

Carcasses of dead rodents are removed for burial or incineration.

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