

EPA Application Form

9.1 - Environmental Management Techniques - Attachment

Organisation Name: *

GLV Bay Lane Limited

Application I.D.: *

Application ID: LA004303

Authorisation Application Form

Amendments to this Application Form Attachment

Version No.	Date	Amendment since previous version	Reason
V.1.0	July 2017	N/A	Online application form attachment
As above	Mar 2018	Identification of required fields	Assist correct completion of attachment

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9 Environmental Management Techniques ¹

9.1. Accident Prevention Measures

Measures to prevent accidental emissions and liabilities

Incidents and accidents are unplanned events. Emissions from incidents and (major) accidents usually occur within a relatively short time frame but with greater intensity than under normal operating conditions. Incidents such as fire or fuel spillages can result in liabilities such as contaminated soil and groundwater. Proactive risk management reduces the potential for an incident.

Abnormal operating conditions must be managed without endangering human health and harming the environment, and in particular without risk to water, air, soil, plants or animals, without causing a nuisance through noise or odours, and without adversely affecting the countryside or places of special interest.

The applicant must firstly undertake a risk assessment in accordance with EPA guidance on assessing and costing environmental liabilities. Having identified the key risks, the applicant should populate the following table with the measures to be taken to treat the key risks, e.g., bunding, integrity testing, fire prevention, etc.

The range of measures is dependent on the complexity of the site. Pollution prevention measures may, inter alia, include the following information:

- Conclusions on BAT set out in the EU Reference document on BAT on emissions from storage such as a safety management system; corrosion prevention measures on tanks, etc.
- Details of storage of all raw materials, products and wastes such as segregation, labelling, designation and impervious surface;
- Details of spill or emergency containment measures and structures such as bunds, high level alarms, absorbent materials;
- Details of fire detection and fire-water retention facilities in the event of emergencies or other measures to contain fire-water;
- Details of transport of material within the site, solid, liquid or sludge transported by pipe, vehicle or conveyor; etc.,
- The Agency has published a guidance document on Fire-Water Retention Facilities and on the Storage and transfer of materials.

¹ This part of the form collects information on environmental management at the installation/ facility. It seeks to understand the maturity of the management system in terms of knowledge of abnormal operating conditions, prevention and early detection measures and emergency response procedures. The level of detail required in this part of form relates to the environmental risk posed.

Authorisation Application Form

Describe in the table below existing and/or proposed measures, including emergency procedures, to minimise the impact on the environment of an accidental emission or spillage. (This table should include the measures to be taken under abnormal operating conditions, including start-up, shutdown, leaks, malfunctions, breakdowns and momentary stoppages that will demonstrate that any emission arising will not cause significant environmental pollution)².

Measure *	Surveillance Measures		
	Description *	Frequency of Surveillance *	Method / Standard *
Management of hydrocarbons at refuelling points	<p>Risks to groundwater on site relate primarily to the use of hydrocarbon liquids. Proposed mitigation measures are:</p> <ul style="list-style-type: none"> No fuel or oil will be stored on site. Appropriate mobile fuel bowzers will be mobilised to site as required for use on designated refuelling points. A hard-stand with drainage to oil interceptor will be provided as a designated refuelling area. All plant and machinery will be serviced before being mobilised to site, and regular leak inspections will be completed during the backfilling works; Plant/machinery will be inspected regularly to ensure that there are no leakages of fuel or hydraulic fluid and all plant/machinery will be serviced regularly. Minimal plant maintenance will be conducted on site. Broken-down plant will be removed offsite for repair; Waste oils will be removed from the site for authorised disposal by licenced waste contractors. A record of all waste removal will be kept in the site office. GLV Bay Lane Limited will put in place an emergency response procedure for hydrocarbon spills and appropriate training of site staff in its implementation. Supervision of all refuelling by the Facility Manager or other authorised member of staff; 	Monthly visual checks.	<p>Visual checks on designated refuelling points oil interceptors will be carried out and recorded and reported in EMS.</p> <p>Visual checks will also be conducted on any standing water sitewide for evidence of oil.</p> <p>Spill kits will be inspected quarterly.</p>

² Information relating to the integrity, impermeability and recent testing of pipes, tanks and bund areas should be included.

* indicates required field

Authorisation Application Form

Measure *	Surveillance Measures		
	Description *	Frequency of Surveillance *	Method / Standard *
	<ul style="list-style-type: none"> • Placement of a clean drum/bucket under the refuelling point, during refuelling operation, to collect any spillages that may occur; • Spill kits with a supply of materials with oil boom, absorbers etc. suitable for absorbing and containing any minor spillage will always be available on site. Staff will be appropriately trained in their use. • All solid wastes arising on site and other solid potentially polluting materials will be segregated according to category, stored within containers which are designed to ensure the contents do not spill or escape and covered as necessary. • Materials suitable for containing spills including sealing devices and substances for damaged containers, drain seals and booms, and overdrums will be maintained at the site. Staff will be appropriately trained in their use. • All plant and equipment will be subject to maintenance in accordance with the suppliers / manufacturer's recommendations to avoid the failure of items of plant and equipment giving rise to potential emissions to the environment. • Surface water channels and drains will be subject to visual inspection by the Facility Manager. Action will be taken to remove any obstructions to flow. • In the event of spillage of polluting materials, immediate action will be taken to contain the spillage. The spillage will be reported to the Facility Manager, who will assess the situation and decide on the most appropriate course of action. The action taken will 		

* indicates required field

Authorisation Application Form

Measure *	Surveillance Measures		
	Description *	Frequency of Surveillance *	Method / Standard *
	<p>depend upon the size of the spillage, the location of the spillage in relation to sensitive receptors and the chemical and physical nature of the spilled material.</p> <p>Action taken on spills will include:</p> <ul style="list-style-type: none"> • if possible, the leak will be stopped; • if it safe to do so, the cause of the spill or leak will be isolated; • if the spillage is small, spill granules will be used immediately if necessary to prevent the spill spreading. The area will be cleared and all contaminated material will be sent offsite for appropriate management; • for large spills, clay or sand will be used to make a containment and specialist help will be sought to clean up; • in the event of a potentially serious spillage, immediate action will be taken to prevent the spread of the spill. The Environment Protection Agency will be informed immediately, and remedial action agreed; if the spillage cannot be contained using approved materials, the Environment Protection Agency and senior management will be contacted immediately, and specialist help obtained; • if a vehicle is found to be leaking, it will be moved to a position where the spillage can be contained i.e. quarantine facility, or other hard surfaced area, if it is safe to do so; and • all personnel will follow instructions provided by managers or other competent persons. 		

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Measure *	Surveillance Measures		
	Description *	Frequency of Surveillance *	Method / Standard *
	<ul style="list-style-type: none"> • Appropriate precautions will be taken depending upon the nature of the spilled material to • prevent any harm to human health, and all personnel involved in clean-up will wear protective clothing appropriate for the nature of the spilled material. • All spillage incidents, site inspections, and remedial actions will be recorded in the site records 		
Accident and Emergency Response Procedure	<p>A documented accident prevention procedure and Accident and emergency response procedures which addresses all hazards on-site will be maintained, delivering procedures for response to Fire, Emergency Spill Response, Road Vehicle Breakdown, Overturn, Spillage, fire and Emergency Telephone Numbers</p> <p>The Emergency Response Procedure will help to control any impacts which could occur should any mitigation measures fail and will ensure any effects of an emergency onsite are minimised.</p> <p>These procedures will be aligned to the GLV Bay Lane Limited HSQE Management System.</p>	Continuous	Refer to EIAR
Dust suppression	<p>The principal measures employed to control fugitive dust emissions from arising during general site activity, haulage and soil recovery operations are:</p> <ul style="list-style-type: none"> • A water bowser will be available on site for the duration of operations and will be employed to minimise dust during dry and windy conditions. A wheel wash will clean wheels and will stop soil being carried onto paved areas and roads. • During dry weather the haul roads and tipping area will be sprayed with water from a mobile water browser to dampen dust. 	Continuous	Continuous visual assessments will be carried out determine requirement for dust suppression.

* indicates required field

Authorisation Application Form

Measure *	Surveillance Measures		
	Description *	Frequency of Surveillance *	Method / Standard *
	<ul style="list-style-type: none"> • Consideration will be given to location of mobile plant to ensure that any principle dust sources cannot adversely affect sensitive off-site locations. • A wheel wash facility will be installed on site and all haulage vehicles exiting the site required to pass through the wheel wash. • The site haulage road within the site will be maintained with a good temporary surface. • All roadways and working surfaces will be adequately drained, to prevent ponding. • A road sweeper will be used on site and on adjacent sections of the road at the required frequency to control dust nuisance and if a spillage occurs onto the public roadway. • Reclaimed areas will be seeded at the earliest appropriate time. • Dust emissions from the facility will be controlled and monitored. Dust emissions and their management will be addressed in the facility 'Environmental Management System' (EMS). 		
Dust Monitoring	Two Dust monitoring locations have been identified – one near the entrance and one near the settlement tank.	As required	Bergerhoff method
Surface Water Monitoring	Surface water sampling and testing will be carried out as per the requirements of any waste licence issued by the EPA.	As required	Surface water samples will be tested for a range of physical and chemical parameters to assess water quality and detect possible contamination.
Integrity of settling tank	Integrity of settling tank to be assessed and maintenance carried out as required	Annual	Structural survey
EMS	The quarry will have an Environmental Management System (EMS). The EMS will include an 'Environmental Monitoring Programme' for the monitoring of water,	Continuous	

* indicates required field



Authorisation Application Form

Measure *	Surveillance Measures		
	Description *	Frequency of Surveillance *	Method / Standard *
	dust and noise aligned with any conditions attached to any decision to grant planning permission and a Waste Management Licence for the proposed SRF.		
Waste Quarantine Area	Material not suitable for recovery at the facility will be rejected either at the preapproval stage, the onsite verification stage, or before recovery stage. If reloading cannot occur immediately, it will be separated and moved to the quarantine area. The Facility Manager will be informed immediately. A waste acceptance/rejection procedure will be put in place.	Continuous	Refer to EIAR

*add rows to the table as necessary

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Outline what provisions have been made to ensure an adequate response to emergency situations outside of normal working hours, i.e., during night-time, weekends and holiday periods (attach additional pages to this document if required): *

Due to the low-risk nature of proposed activities and of the proposed intake materials, the risk of emergency situations is considered low. The risk of fire is low due to the absence of flammable waste at the facility.

An emergency contact mobile phone number for the Facility Manager (suitably qualified and experienced) will be provided on signage at the Site entrance to facilitate contact to enable the implementation of the appropriate procedure. All staff members will have this number.

Soil Monitoring Points

Periodic monitoring of soil and groundwater is required having regard to the possibility of soil and groundwater contamination of the site³.

Complete the table below with details of soil monitoring locations and in particular where a baseline report has been/is required in accordance with Section 86B of the EPA Act 1992 as amended.

Is periodic soil monitoring proposed at the installation/facility? (Yes/No): *

no

Soil Monitoring Point Code	Monitoring Point Grid Ref.	
	Easting ⁴	Northing ⁵

*add rows to the table as necessary

Soil Parameters

- 3 Inherent in the monitoring of soil and groundwater is accepting the possible necessity for remediation of the soil / groundwater. Regular monitoring of soil and groundwater provides an early detection of any contaminations.
- 4 Six Digit GPS Irish National Grid Reference
- 5 Six Digit GPS Irish National Grid Reference

* indicates required field



Authorisation Application Form

Complete the table below with details of soil monitoring parameters (where a baseline report is required in accordance with Section 86B of the EPA Act 1992 as amended). (If different parameters are associated with different monitoring points this should also be identified in the table below.)

Parameter	Unit	Trigger Level	How was the trigger level determined?	Proposed Monitoring Frequency	Sample Method	Analysis Method / Technique

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*add rows to the table as necessary

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Authorisation Application Form

Groundwater Monitoring Points

Based on the assessment(s) carried out previously or as part of this licence application, complete the table below with summary details of the groundwater monitoring points.

Is groundwater monitoring proposed at the installation/facility? (Yes/No): *

no

Monitoring Point Code	Monitoring Point Grid Ref.	
	Easting ⁶	Northing ⁷

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*add rows to the table as necessary

⁶ Six Digit GPS Irish National Grid Reference

⁷ Six Digit GPS Irish National Grid Reference

* indicates required field



Authorisation Application Form

Groundwater Parameters

Complete the table below with summary details of the groundwater parameters. (If different parameters are associated with different monitoring points this should be identified in the table below.)

Parameter	Unit	Trigger Level	How was the trigger level determined?	Proposed Monitoring Frequency	Sample Method	Analysis Method / Technique

*add rows to the table as necessary

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Costed Environmental Liabilities Risk Assessment (ELRA)

Indicate if the activity, through pre-application meeting with the Agency or other means, is required to submit a costed ELRA⁸ as part of the licence, or licence review application.

Costed Environmental Liabilities Risk Assessment (ELRA) required to be submitted? (Yes/No): *

If 'Yes', upload a costed Environmental Liabilities Risk Assessment (ELRA), prepared in accordance with the *Environmental Protection Agency's Guidance on Assessing and Costing Environmental Liabilities* (2014) (select Document Type: 'ELRA' in the application form).

Costed **ELRA** document filename:

Indicate your preferred form of financial provision instrument to meet ELRA costings have regard to the Environmental Protection Agency's Guidance on Financial Provision (2015), e.g., Environmental Liability Insurance:

Upload a financial provision proposal have regard to the Environmental Protection Agency's Guidance on Financial Provision (2015) (where required at application /review application stage) (select Document Type: 'Financial Provision Proposal' in the application form)

Financial Provision Proposal filename:

⁸ There is an explicit requirement in EU and Irish law for financial provision for certain activities. The following categories of activities have an ELRA/CRAMP/FP requirement:

1. Landfills (excl. closed L.A. Landfills closed before 16th July 2009)
2. CAT A Extractive Waste Facilities
3. High Risk Contaminated Land Facilities
4. All Haz-Waste Transfer Stations
5. Non-Haz WTS (Accepting >50,000 tons/annum)
6. Incineration (incl. co-incineration of hazardous waste)
7. Upper & Lower Tier Seveso Sites
8. Exceptional circumstances associated with the site, e.g., significant ground/groundwater contamination.

Regard should be had by applicants to relevant Agency guidance on these matters.

Authorisation Application Form

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Closure, Restoration and Aftercare Management Plan (CRAMP)

A restoration/aftercare period will be required where there are on-going environmental liabilities following closure. Applicants are required to describe the existing or proposed measures to avoid any risk of environmental pollution and to return the site to a satisfactory state or the state established in the baseline report where applicable, after the activity or part of the activity ceases operation.

A key measure is the preparation of a Closure, Restoration and Aftercare Management Plan (CRAMP) by the operator, for certain activities⁹. Notwithstanding the requirements of the EC Environmental Objectives (Groundwater) Regulations 2010, S.I. No. 9 of 2010, the closure and restoration/ aftercare target is the site condition at the time of the original application or the baseline report. The applicant shall have regard to the Environmental Protection Agency's Guidance on Assessing and Costing Environmental Liabilities (2014) in the preparation of the CRAMP.

Upload a CRAMP, where applicable (select Document Type: 'Site Closure' in the application form).

CRAMP filename:

n/a

Costed CRAMP

Indicate if the activity, through pre-application meeting with the Agency or other means, is required to have a CRAMP⁹ submitted as part of the licence, or licence review application.

CRAMP required to be submitted at application/licence review application stage? (Yes/No): *

No

⁹ There is an explicit requirement in EU and Irish law for financial provision for certain activities. The applicant shall have regard to the Environmental Protection Agency's Guidance in determining CRAMP requirements and on Financial Provision (2015) in making financial provision to cover any liabilities.

The following categories of activities have an ELRA/CRAMP/FP requirement:

1. Landfills (excl. closed L.A. Landfills closed before 16th July 2009)
2. CAT A Extractive Waste Facilities
3. High Risk Contaminated Land Facilities
4. All Haz-Waste Transfer Stations
5. Non-Haz WTS (Accepting >50,000 tons/annum)
6. Incineration (incl. co-incineration of hazardous waste)
7. Upper & Lower Tier Seveso Sites
8. Exceptional circumstances associated with the site e.g. significant ground/groundwater contamination.



Authorisation Application Form

Indicate your preferred form of financial provision instrument to meet CRAMP costings (where appropriate), e.g., Secured fund, On-demand performance Bond, Parent Company Guarantee, Charge on Property (have regard to the Environmental Protection Agency's Guidance on Financial Provision (2015) on the Agency's website):

State preferred form of financial provision instrument?	n/a
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Upload a financial provision proposal (where required) having regard to the Environmental Protection Agency's Guidance on Financial Provision (2015) in making financial provision to cover any liabilities (select Document Type: **Financial Provision Proposal** in the application form)

Financial Provision Proposal filename:

n/a

Cessation of Activity

Where a CRAMP is not required, describe the measures to be taken on and following the permanent cessation of the activity or part of the activity to avoid any risk of environmental pollution and to return the site of the activity to a satisfactory state. (Input your response in the text box below or attach the information in to this attachment).

The principal activity at the facility will be the backfilling with soil and stone and restoration of lands to original ground level.

The restoration of the quarry void to original levels will leave the landform in a condition integrated into and in keeping with the surrounding landscape.

Topsoil will be imported to the site during operational phase and stored onsite, separately from the active backfilling area and in a manner that will not create adverse visual impact or dust nuisance.

Storage will be required pending phased demand. This demand will arise when the surface of the backfilled ground approaches the proposed final ground levels.

The site will be restored to a form close to the existing surrounding, and previous land surface. The final surface will be slightly domed to with a gradient of approximately 1 in 50 or steeper to facilitate drainage.

* indicates required field

Authorisation Application Form

The proposed contours of the final landform are shown in Drawing 7 - Landscaping Restoration Plan showing the proposed final ground level contours. The fill will be adequately compacted to minimise settlement. Hence all fill material will be tipped for grading and compaction by in layers of approximately 300mm thick.

At the completion of backfilling, all fixed and mobile plant will be dismantled and removed from the site and all foundations and hardstanding's removed.

The method of controlled placement is shown schematically in

- Drawing 6A - Phasing plan Phases 1 & 2
- Drawing 6B - Phasing plan Phase 3
- Drawing 6C - Phasing plan Phase 4

The capacity calculations and import rates of imported soil and stone and topsoil requirements are described in section 4.3 of this waste licence application.

A cover layer comprising topsoil and subsoil will be placed over the inert backfilled materials on completion of the backfilling activities.

Prior to spreading of subsoil, formation levels will be graded to smooth running contours. Subsoil will be spread and graded in layers not >250mm consolidated depth. On completion of the grading operations, the subsoil surface will be ripped to a depth of 300mm using a subsoiler or ripper with tines at 500mm centres. The ripping will be carried out in opposite directions at right angles. On completion of the ripping, all stones >50mm in any direction will be removed. The surface will be lightly graded to remove surface irregularities and to tie in with existing levels.

Topsoil will be spread during dry weather. Final grading will be carried out to ensure smooth running profiles and to avoid dishing or other depressions where water may collect.

Ground contours will be adjusted to ensure that surface water run-off is intercepted and diverted / channelled (via unlined channels excavated in natural soils) to the existing discharge point and/or modified natural drainage network which runs along the site perimeter.

Decommissioning

At the completion of backfilling, all fixed and mobile plant will be dismantled and removed from the site. All office, weighbridge, foundations and hardstanding's will be excavated and removed from site for appropriate management.

Aftercare

Following completion of backfilling and restoration works and decommissioning, the restored lands will have been revegetated. An aftercare period of 12 to 24 months will be implemented to ensure that vegetation becomes established and that bare or exposed soils are re-seeded.

Provision will be made for any required appropriate environmental monitoring of air, surface water and groundwater.

Authorisation Application Form

Emergency Response Procedure

Do you have an emergency response procedure (ERP)? (Yes/No) *

Is the ERP compliant with the EPA guidance? (Yes/No) *

9.2. Nuisance

Complete the table below in relation to each potential nuisance. Identify if the activity may cause or contribute to the type of nuisance in the area of the installation/facility and, where applicable, identify the techniques used to prevent/minimise the nuisance.

Type of Nuisance	Applicable to the activity? * (Yes/No/ Not Applicable)	Techniques to prevent nuisances	Where nuisances cannot be prevented, techniques to be used to minimise and reduce nuisances
Dust and Mud	Yes	Use of wheel wash to ensure mud and dust is not trafficked onto paved areas and roads. As the level of the backfilled materials approaches final surface levels, the site will be seeded with grass on a phased basis, as soon as practicable after placement of cover soils (subsoil and topsoil). This will help minimise soil erosion, generation of mud, and potential for dust emissions. Areas of exposed soils will be kept to a minimum where practicable.	Dust blows will be partially screened by the pit side walls and screening berms as backfilling progresses; The amount of dust or fines carried onto the public road network will be further reduced by periodic sweeping of internal paved site areas/roads and the existing public roads, if required.
Noise	Yes	Mitigation measures will be put in place to reduce noise levels from site operations. HGVs will only access the site during the proposed operational hours. A booking and scheduling system will be implemented to avoid the scenario of the development related trucks meeting on the sections of Bay Lane with reduced road width. Vehicle engines will be switched off when not in use and no unnecessary revving of engines. Care will be taken when	

* indicates required field

Authorisation Application Form

Type of Nuisance	Applicable to the activity? * (Yes/No/ Not Applicable)	Techniques to prevent nuisances *	Where nuisances cannot be prevented, techniques to be used to minimise and reduce nuisances
		<p>unloading vehicles to reduce or minimise potential disturbance to local residents. All equipment will be regularly maintained to ensure that they are operating effectively and not producing additional noise emissions or potential tonal sources. Where practicable the number of machines in simultaneous operation will be minimised. Plant and machinery used on-site will comply with the EC (Construction Plant and Equipment) Permissible, Noise Levels Regulations, 1988 (S.I. No. 320 of 1988). All contractors will employ the best practicable means to minimise noise emissions and will be obliged to comply with the general recommendations of BS 5228-1:2009+A1:2014 and “<i>Environmental Good Practice Site Guide</i>” 2005 compiled by CIRIA and the UK Environmental Agency.</p>	
Odour	No	<p>The specification will require that soils and stones accepted at the facility be clean and therefore free of biodegradable waste and other materials with odour generating potential. The materials will be subject to a waste acceptance procedure that will inspect materials at three separate points to eliminate possibility of odour generation.</p>	<p>If biodegradable waste or other materials waste are identified in imported materials, it will be immediately segregated and removed to the waste quarantine area for storage pending removal off-site to a licenced facility for appropriate management.</p>
Fire Control	No	<p>The specification will require that soils and stones accepted at the facility be lean and therefore free of flammable materials and biodegradable waste which could create a fire risk. The risk of fire at the site is therefore low.</p>	<p>If flammable waste is identified or suspected in waste materials imported to the facility, these materials will be immediately segregated and removed to the designated waste quarantine area for storage pending removal off-site to a licenced facility for appropriate management.</p> <p>Plant and equipment will be regularly serviced to prevent overheating.</p> <p>No burning of waste will be permitted at the facility.</p> <p>Fire extinguishers will be available at the facility office and with site plant and machinery.</p>

* indicates required field

Authorisation Application Form

Type of Nuisance	Applicable to the activity? * (Yes/No/ Not Applicable)	Techniques to prevent nuisances *	Where nuisances cannot be prevented, techniques to be used to minimise and reduce nuisances
Litter	No	The materials being placed or recovered at this site will be free of litter.	If litter waste is identified among imported materials, it will be immediately segregated and removed to the waste quarantine area for storage pending removal off-site to a licenced facility for appropriate management.
Birds	No	The specification will require that soils and stones accepted at the facility be clean and therefore free of biodegradable waste and other materials with bird attracting potential.	If biodegradable waste or other materials waste are identified in imported materials, it will be immediately segregated and removed to the waste quarantine area for storage pending removal off-site to a licenced facility for appropriate management
Flies	No	The specification will require that soils and stones accepted at the facility be clean and therefore free of biodegradable waste and other materials with fly attracting potential	If any biodegradable waste is identified among imported materials, it will be immediately removed to the waste quarantine area pending removal off-site to a licenced waste disposal or recovery facility
Vermin	No	The specification will require that soils and stones accepted at the facility be clean and therefore free of biodegradable waste and other materials with vermin attracting potential	If biodegradable waste or other materials waste are identified in imported materials, it will be immediately segregated and removed to the waste quarantine area for storage pending removal off-site to a licenced facility for appropriate management. All canteen waste will be contained in an appropriate enclosed bin prior to disposal to an appropriate waste facility.

If 'Other' is selected define the other nuisance(s):

Not applicable

Note: Odour must also be addressed in the fugitive emissions section of the '7.4 Emissions to Atmosphere – Main and Fugitive' template, where applicable.

* indicates required field



Authorisation Application Form

9.3. Environmental Management System (EMS)

Do you have an environmental management system? (Yes/No) *

No

If 'Yes', is the environmental management system accredited? (Yes/No) *

No

State the date accreditation was achieved or is expected to be achieved, where applicable:

State the standard of accreditation achieved:

--

Energy Efficiency

Outline the measures taken to ensure that energy is used efficiently having regard to the relevant decision on BAT conclusions and/or BAT guidance and where appropriate, an energy audit with reference to the EPA Guidance document on Energy Audit should be carried out. *

LV Bay Lane Limited will consider energy efficiency in the design the facility and any treatment processes it contains, including measures such as:

- the use of basic, low cost physical energy efficiency techniques, e.g., gravity feed systems;
- At the site design stage consideration could be given to choosing the most fuel efficient and low emission vehicles, e.g., considering alternative fuel technologies such as LPG or Fuel Cells: and
- the consideration of energy saving opportunities in buildings and offices required for the activity, e.g., insulation.

GLV Bay Lane Limited will use purchasing, operating and maintenance procedures to optimise the energy use in the facility by:

- ensuring energy efficient equipment is purchased, including lighting, pumps, etc.;
- ensuring equipment is serviced and maintained regularly;
- ensuring equipment is switched off, if safe to do so, when not in use;
- ensuring on-site vehicle movements are minimised and engines are switched off when not in use;
- considering using electric or liquid petroleum gas-powered vehicles;
- reviewing equipment requirements on a regular basis;

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- Vehicles operated (on-site and off-site) will be subject to regular maintenance and service programmes to ensure that vehicles are running as efficiently as possible.
- setting time of operation of high-energy equipment to off-peak periods, where possible; and
- setting key performance indicators on an annual basis.

GLV Bay Lane Limited will review energy consumption on an annual basis and examine options for:

- optimisation of energy supply; and
- optimising/reducing energy consumption.

Many of the aspects of energy efficiency are likely to be delivered through management techniques, operating and maintenance procedures, which overlap and form part of the site EMS

Has an energy audit been carried out? **(Yes/No) ***

No

Do you have an energy efficiency management system? **(Yes/No) ***

No

If **'Yes'**, is the energy efficiency management system accredited? **(Yes/No)**

not applicable

State the date accreditation was achieved or is expected to be achieved, where applicable:

not applicable

State the standard of accreditation achieved:

not applicable

* indicates required field

Authorisation Application Form

9.4. Hours of Operation

Provide details of the hours of operation for the installation/facility * (hours and days per week, etc.), including:

(a)	Proposed hours of operation.
The permitted hours of operation proposed by the Applicant are 08:00 hours to 18:00 hours Monday to Friday and 08:00 hours to 13:00 hours on Saturdays, with the facility being closed on Sundays and Public/Bank Holidays.	
(b)	Proposed hours of construction and development works and timeframes.
Not applicable	
(c)	For waste activities, the proposed hours of waste acceptance.
The hours of waste acceptance are the same as for operation	
(d)	Any other relevant hours of operation expected (e.g., waste handling, etc.).
Not applicable	

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9.5. Review of a Licence

Where the Office of Environmental Enforcement (OEE) has agreed any variations or adjustments to the conditions or schedules of the existing licence, the licensee must provide details of these agreed variations and adjustments to the existing licence conditions in the table that follows.

An updated, scaled drawing of the site layout (no larger than A3) providing visual information on such adjustments or variations where appropriate should be uploaded in the **site tab** – 'site plan(s)' upload.

In the case of once-off assessments/reports required under conditions/schedules of the existing licence the licensee must provide details of those assessments/reports that have been completed and agreed with the OEE or as otherwise agreed, in the table below.

Condition/ Schedule No.	Existing Condition	OEE Agreement Reference	Description
Not applicable	Not applicable	Not applicable	Not applicable

*add rows to the table as necessary

9.6 Environmental Management Techniques – Upload Files

State the number of 'upload files' referred to and named in this attachment document? *

* indicates required field