

Permit Reference Number: YP3339EC

Operator: Dragon Recycling Solutions Limited Installation:

Unit 4 Heads of the Valley Industrial Estate

Form Number: L1

Reporting of Compliance with Low Impact Installation criteria for 2020

Criteria	Description	Demonstration of Compliance
Management techniques:	All of the criteria described below must be met without having to rely on significant management effort. In other words, the installation intrinsically must have only a low environmental impact, including under start up, shut down, or abnormal operating conditions.	
Aqueous Waste:	The installation must not release more than 50 ms per day of water from process activities conducted at the installation giving rise to effluent. No account need be taken of the volume of water exported from the installation as product. Characterise and quantify any aqueous effluents released from the installation on a daily basis and provide justification that the installation releases no more than 50 ms per day of water from process activities.	There is an occasional use of water via a jet washer for the use of washing plastic bins prior to them being granulated, this is an infrequent activity and a maximum of 1 cubic meter of water per day used during process. No other process activities involving water are currently undertaken.

Techniques to prevent and reduce waste arising and emissions:	Abatement systems/releases to air: The installation must comply with the criteria in this guidance without having to rely on active abatement for releases to the environment outside of any buildings. Releases must not be dependent on continuing or correct operation of equipment, where failure of active pollution prevention systems could result in an unacceptable external release. For example, if the installation depends on active abatement in the form of scrubbers, filters, or electrostatic precipitators to achieve the releases to the environment set out in this guidance, it is unlikely that it can be treated as having only a low potential for impact. However, abatement systems installed solely for the protection of workers (where abatement is not to attenuate external environmental releases) need not be included in this assessment.	No active abatement used. The Process works under negative pressure, so that it cannot emit anything into the air.
Groundwater Regulations:	There must be no planned or fugitive emission from the permitted installation into the ground, or any soakaway. This does not preclude the discharge of clean rainwater run-off into soakaways.	No planned or fugitive emissions. All water from the refuse bin cleaning area (under 3 ton in 12 months) is drained through fat traps, then through a settlement drain, then onto fowl

Waste Production:	The installation must not give rise to more than one tonne of Directive waste or 10 kg of hazardous waste per day, averaged over a year, with not more than 20 tonnes of Directive waste or 200 kg of hazardous waste being released in any one day. For the purpose of this application, no information is required on the proposed recovery and disposal of waste streams arising from the installation.	The installation currently complies with the requirements relating to waste production. 33.64 tonnes of Directive waste.
Energy Consumption:	The installation must not consume energy at a rate greater than 3 MW or, if the installation uses a combined heat and power installation to supply any internal process heat, 10 MW. These limits apply to the sum of energy imported as electricity and produced on site through the combustion of fuels.	The Installation currently complies with requirements relating to Energy Consumption. Energy Consumption 1.58 MW per year
Accident Prevention:	You must have in place satisfactory containment measures to prevent fugitive emissions to surface water, sewer, or land and ensure that these are adequately maintained at all times. This requirement applies to all substances present on site and in any quantity.	Process is within a bunded area, floor area of bund is coated with impermeable membrane in case of spillage.

Noise: There must be only a low potential for causing offence due to noise. An installation will not be considered as a low impact installation if it may give rise to noise noticeable outside the installation boundary. This requires the exercise of judgement, taking account of any history of noise complaint arising from the installation and consideration of the likely offsite noise levels and proximity of sensitive receptors. Describe the main sources of noise from the installation, the nearest noise sensitive locations and any relevant noise measurement surveys which have been undertaken, and the proposed techniques and measures for the control of noise. Provide justification that there is only a low potential for offence due to noise.

Based on industrial estate, nearest business/ neighbors within 100 meters. Nearest residential area approx. 1/2 mile. Main source of noise stems from granulators inside building. Noise readings periodically undertaken to establish that noise levels at the boundary of the premises remains low.

Emissions of polluting substances:	Justify that there will be no likelihood of a release to the environment of any particular substance from the whole installation at a rate greater than that determined as insignificant as set out in our guidance note 'How to comply' and 'H1 Environmental Assessment.' Describe the nature, quantities, and sources of foreseeable emissions from the installation.	Process is within a bunded area, floor area of bund is coated with impermeable membrane in case of spillage. Double charcoal filters used to filter air from process.
Odour:	There must be only a low potential for giving offence due to odour. An installation will not be considered as a low impact installation if it may give rise to an offensive smell noticeable outside the installation boundary. This requires the exercise of judgement, taking account of any history of odour complaint from the installation and whether this class of activity is known by experience to give rise to smells. A significant possibility or actual history of excursions or fugitive emissions, for example from stored materials, would suggest that the installation could not be treated as having a low impact. Provide details of potential sources of odour from the installation, for example from stored materials, and justify that there is only a low potential for offence due to odour.	No known sources of odour.

Compliance history	If any of the following enforcement actions have taken place at the same installation under the same management (and where appropriate, have not been overturned on appeal), then it will not normally be considered further as a low impact installation: prosecution;* formal caution;* Suspension notice;* Enforcement notice relating to an actual or potential environment incident.* * (All under EPR or the equivalent under previous environmental regimes)	No Enforcement action taken.
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"Environmental Assessment and Appraisal of BAT"

Signed : *Tracy Medlicott*

Date *13/01/2021*

(Authorised to sign as a representative of Operator)

Permit Number YP3339EC

Operator Dragon Recycling Solutions Ltd

Facility: Unit 4 Heads of the Valley Industrial Estate. Form Number Performance 1

Reporting of other performance indicators for the period 01/01/2020 to 31/12/2020

Parameter	Quantity	Units
Total mercury containing waste received	1950	KG
Total mercury recovered	9.15	G

Operator's Comments :

Signed *T. Medlicott*

Date *13/01/2021*

(Authorised to sign as representative of Operation)