

Sub (3)

Rec'd 11/2/13.

10th February 2010

Re: Waste Licence application
For: Clean (Ire) Refuse and Recycling Ltd at
Balinagun West, Cree, Co. Clare.

Ref: WO253-01

This report relates to additional information relevant to E.I.S., as previously submitted to the E.P.A. The additional information has been received by the Agency on 23rd December 2009. I completed an original report in February 2009 which is still of relevance to the planning application by Clean (Ire) Refuse and Recycling Ltd at Cree, Co. Clare.

However, I revisited the plant at Cree, Co Clare, on 5th February 2010 at which time I met with site manager, Mr Paddy Hedigan and with consultant Michael O'Gorman, (Celtic Bio Energy,) Ballinacurra, Middleton, Co.Cork.

The additional information reaffirms the proprietors' intention to apply for:

- (a) Construction of a biostabilisation plant with a C.H.P. engine,
- (b) Extension to existing processing buildings,
- (c) Relocation of the glass bunkers,
- (d) Installation of diesel storage bunded unit,
- (e) End of life vehicle unit.

An increase of 0.4 ha at the north of the site will be required. If the planning application is successful, it is envisaged that construction will take place at the site, in approximately five phases.

It is intended that the longevity of the facility is greater than 20 years. The development of the site will permit the continuation of existing waste processes which include:

- Dry recyclable processing,
- Wet waste processing,
- Bailing of material,
- Dropdown skip processing,
- Timber shredding processing,
- Construction and Demolition waste processing.

The introduction of new waste processed/activities will include:

- Biostabilisation (dry fermentation and in-vessel composting tunnels) of source segregated brown waste and organic fines from Municipal Solid Waste (MSW) using mechanical separation technique.
- Utilisation of Biogas from dry fermentation process in a CP Engine to providing heat and electricity

- End of Life vehicle processing,
- Hazardous waste acceptance and storage,
- Storage of Refuse Derived Fuel (RDF),
- Truck wash,
- Wheel wash,
- Skip storage.

Note:

The biostabilisation plant will house a CHP engine (Combined Heat and Power), which will utilise biogas to generate electricity with potential to feed into the national grid.

Further details of planned process are outlined in the non-technical summary, Volume II of the Environmental Impact Statement, (if you wish to peruse same).

As a matter of interest, public health nuisance complaints have not been made to the Environmental Health Service, regarding the existing facility since it's commencement. The role of this office relates to areas of environmental/public health concerns.

I have carried out a desk-study of the documentation submitted with this waste licence application with particular reference to areas of environmental/public health concerns. Impacts of the proposed development can also be further reviewed under the headings of:

- Noise
- Air Pollution and Dust
- Odour
- Water Contamination
- Accumulation of Waste
- Rodent Control

These categories with mitigation procedures are expansively covered in the submission.

The recommendations of this office are outlined as follows:

Noise:

- (i) A health nuisance shall not be caused by noise generated from this development due to operation of machinery, vehicular traffic or other disturbances.
- (ii) Initial noise-monitoring should be implemented on commencement of proposed development during operational hours to ensure that noise levels do not exceed the baseline of 65 dBA Leq, off-site or to the extent that a nuisance is caused to local residents.

Air Pollution and Dust

- (i) The development must comply with the Air Pollution act 1987.
- (ii) A Public Nuisance must not be caused by this development or associated vehicular traffic due to omission of dust, smoke, dirt, grit, fumes or other pollutants.

Odour:

- (i) All necessary precautions must be put in place to prevent emittance of malodour or gaseous odour from this development. Malodours (including methane gas) can occur from decomposition of refuse and waste. If such a problem occurs at this plant, mitigation measures must be put in place by the developers and monitored by the Local authority and E.P.A. An odour management plan should be put in place by the applicants.

Water Contamination:

- (i) Surface waters or ground waters in proximity to the development must not be polluted by surface run-off or leaching of effluents.
- (ii) Any local drinking water sources including domestic private well supplies must not be contaminated by any run off or effluent from the development.
- (iii) Is a monitoring programme required for local water quality?
- (iv) Any water serving drinking water points at this plant must comply with E.C. (Drinking Water) Regulations 2007.

Public Health Nuisance:

- (i) All necessary precautions must be put in place to prevent or avoid any nuisance or potential nuisance as defined by Section 107 of the Public Health (Ireland) Act 1878 especially Sub-Section (4) which refers to avoidance of any accumulation or deposit, which is a nuisance or injurious to health. This clause can be applied specifically or generally to prevent unwarranted or lengthy accumulation of storage of refuse or waste, within the site.

Rodent Control:

- (i) A detailed rodent control plan must be in place for this development. Ideally it should be formulated by a reputable pest control company. All internal and external bait points should be included on a layout drawing of the proposed development. A detailed contingency plan should also be in place in case of a major infestation by rodents.

Regards
Rory O'Dea-Senior EHO.

Ann Kehoe

W0253-01

From: O'Dea, Rory <rory.odea@hse.ie>
Sent: 11 February 2013 16:41
To: Licensing Staff
Subject: FW: Re: Clean Ire Recycling Plant
Attachments: 10.2 Waste Licence - Clean Ire Ltd.doc

FAO Anne.EPA

Rory O'Dea,
Senior Environmental Health Officer, HSE, Sandfield Centre, Ennis. Ph.065-6868052- Reception. Ph.6868016-Direct Line.
E.-mail: Rory.ODea@hse.ie

From: O'Dea, Rory
Sent: 15 February 2010 11:18
To: 'Mulcahy, Maurice - Galway P.C.C.C., E.H.O. Dept'
Subject: FW: Re: Clean Ire Recycling Plant

To Maurice
Please find report from this office relating to an EIS for site at Cree, Co Clare. Please forward it as appropriate. If you have any queries please get back to me..

Rgds

Rory O'Dea,
Senior Environmental Health Officer,
Health Service Executive,
Market Place, Ennis.
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