

This report has been cleared for submission to the Director by Senior Inspector T. McLoughlin
Signed McLoughlin Date 25/09/2013



OFFICE OF CLIMATE, LICENSING & RESOURCE USE

ENVIRONMENTAL LICENSING PROGRAMME MEMORANDUM

TO:	DARA LYNOTT, DIRECTOR
C.C:	Frank Clinton, Programme Manager
FROM:	Brian Meaney, Senior Inspector
DATE:	25 September 2013
RE:	Request for Technical Amendment to Waste Licence Register Number W0146-02 , held by Greenstar Holdings Limited in relation to a facility at Knockharley, Co. Meath.

Greenstar Holdings Limited operates a landfill at Knockharley, Co. Meath. It is authorised to accept up to 200,000 tonnes of non-hazardous waste per annum. A licence was originally granted in March 2003. A revised licence was granted in March 2010. The existing licence was technically amended in January 2013 for the purposes of the Waste Management (Groundwater) Regulations 2010.

Details of request for technical amendment under section 42B of the Waste Management Acts 1996 to 2013

The licensee has requested amendment of the licence to authorise the carrying out of a trial to recover metals from incinerator bottom ash. The trial is necessary to indicate the value of the process and inform the development, should it proceed, of a commercial scale plant. The licensee has stated that full scale development will require a licence review.

In June 2012, the OEE agreed under the existing licence that non-hazardous incinerator bottom ash (IBA) can be accepted at the facility for use as intermediate cover. A number of conditions were set out by OEE for the process.

Incinerator bottom ash typically contains up to 5% ferrous metals and 1-2% non-ferrous metals. Some metal is removed by Indaver Ireland at its Carranstown facility, however there is potential to recover a greater proportion from the ash. The treatment process involves:

- screening to remove oversize material;
- magnets to recover ferrous metals;
- sieving to recover two size fractions (6-12mm and 12-45mm) with rejection of undersize material; and
- eddy current separation for non-ferrous metal recovery.

The mobile treatment plant will be full scale in size. The mobile plant will be delivered in three containers and will be situated in landfill cells 10 and 12 – all material will be contained within the lined landfill footprint. The area currently has an intermediate cover of "clay and soil-like filter cake". A further layer of IBA will be applied to form a suitable platform for the mobile plant and a small amount has been applied already in anticipation of approval for the trial.

Processed IBA will remain at the facility for further use according to limitations already agreed by the Agency.

Some 4,000 tonnes of IBA are proposed for processing and the trial is expected to take a maximum of 8 weeks.

The landfill is currently receiving waste only for recovery. Capping preparatory works are progressing. A large area of the landfill is receiving its final cap. Waste acceptance for disposal has ceased although there is remaining capacity at the landfill.

The existing licence conditions will adequately control and monitor the risks of environmental pollution arising from the activity.

Recommendation

I recommend that the Agency make a technical amendment of licence register number W0146-02 under Section 42B(1)(c) of the Waste Management Acts 1996 to 2013 as proposed in the attached recommendation for a technical amendment.

Signed:



Brian Meaney