

 <p>Environmental Protection Agency An Ghníomhaireacht um Chaomhnú Comhshaoil</p>	OFFICE OF ENVIRONMENTAL SUSTAINABILITY
ENVIRONMENTAL LICENSING PROGRAMME	
TO:	Dara Lynott, Director
FROM:	Caitríona Collins, Inspector, Environmental Licensing Programme
DATE:	4 January 2017
RE:	Technical Amendment to Industrial Emissions Licence Register Number: W0113-04, held by KMK Metals Recycling Limited, Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly.

The Agency received a request on 15 February 2016 from KMK Metals Recycling Limited, Licence Reg. No. W0113-04 to technically amend their Licence. The request relates to a proposed change to the parameters and the emission limit values set out in Schedule B.2 for Emission Point Reference No: F (treated sanitary waste water).

This memo recommends that the change should not be accommodated by a Technical Amendment, for the reasons set out in the Assessment below.

1. Background

KMK Metals Recycling Limited was granted a waste licence, Reg No W0113-01, on 20 December 2001 for an installation located at Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly. The licence was revised in 2005 and 2008, with the most recent licence, Reg No W0113-04, being issued on 20 December 2013.

The installation is licenced under Classes 11.2 (b, c, d, f, h and i), 11.4(b)(iii and iv) and 11.6 of the First Schedule to the 1992 EPA Act as amended.

The licence (Reg No W0113-04) was amended for the purposes of Section 82A (11) of the EPA Acts 1992, as amended, on 23 December 2013. This amendment gives effect to the requirements of Directive 2010/75/EU (Industrial Emissions Directive).

The licence for KMK Metals Recycling Limited is for the operation of a waste transfer station for hazardous and non-hazardous waste, including a recycling facility for waste electrical and electronic equipment.

2. Technical Amendment request

On the 15 February 2016, the Agency received a request for a Technical Amendment of IE licence W0113-04, in order to allow for a change to the parameters and the emission limit values set out in Schedule B.2 for Emission Point Reference No: F (treated sanitary waste

water). The licensee describes that the sanitary wastewater treatment system has not performed to the standards specified by the manufacturer and as a result, there has been a continual breach of emission limit values in relation to total phosphorous and ammonia. The licensee has been informed by the manufacturer that the emission limit values are not achievable. Therefore the licensee is seeking the following change:

Emission point reference No: F (treated sanitary waste water)			
Receiving water: land drain adjacent to facility			
Current		Proposed	
BOD	5 mg/l	<i>BOD</i>	<i>10 mg/l</i>
Ammonia	1 mg/l	<i>Ammonia</i>	<i>3.2 mg/l</i>
Total phosphorous	1 mg/l	<i>Orthophosphate (as P)</i>	<i>2 mg/l</i>

The inspector's report for licence review W0113-04 notes that the licensee stated at that time that the manufacturer had specified a treatment standard of 5/1/1 mg/l for BOD, ammonia and phosphorus respectively and these values were accordingly included in the revised licence.

3. Consultation with the Office of Environmental Enforcement (OEE)

I have consulted with the OEE inspector, Dermot Burke, in relation to this technical amendment request. The OEE confirmed that the proposed change to the parameters and the emission limit values set out in Schedule B.2 cannot be accommodated under the existing licence.

4. Assessment

The proposed change relates to increased emission limit values for three parameters, with a proposed alteration from total phosphorous to orthophosphate. The treated effluent from the sanitary waste water treatment system discharges to land drain. The licensee refers to the EIS that was presented with the last licence review application, with respect to the general drainage network between the installation and the Tullamore River, less than 500m to the south. The licensee presented mass balance calculations for the proposed increase in emission limit values, the subject of the technical amendment request, based on the flow rate of the land drain set out in the EIS in 2013. The mass balance calculations illustrate that the surface water EQSs in the land drain will not be exceeded for the relevant parameters. However, the assessment presented in the 2013 EIS outlined that there would be a negligible reduction in water quality of the land drain downstream of the discharge. There remains some uncertainty around the actual flow of water between the land drain and the entry point to the Tullamore River. In addition, according to the inspector's report for licence review W0113-04, the water in the land drain was eutrophic in 2010 and was of minimal significance. Being a land drain, the potential effect on groundwater must also be considered. The land drain is also open to the adjacent fields and is accessible by animals and people. The discharge of treated sanitary effluent was authorised by the Agency in the absence of alternative options open to the licensee given the indefinite postponement (by Offaly County Council at the time) of the installation of foul sewer in the industrial estate. It

was also authorised based on the high level of treatment stated to be available by the licensee. Therefore it is not appropriate to authorise an increase in emission limit values from the sanitary waste water treatment system to the adjacent land drain.

The request for technical amendment should be refused.

5. Recommendation

I recommend that the Agency refuse the requested technical amendment of licence register number W0113-04.

Signed,

Cartrone Collis

Inspector
Environmental Licensing Programme