

Re: Technical Amendment Request – Additional Information required

Monaghan County Council submitted Technical amendment Request Ref. No CR007794 on 28th September 2020. The following additional information was requested by the Agency on 19th November 2020 as follows:

1. *Please provide a detailed up to date drawing of the vertical profile of the proposed licensed boundary clearly showing the vertical limits of the boundary in terms of depth below existing ground level. The drawing should include the slab or plinth, any aboveground structures, the subsurface landfilled waste and any other relevant infrastructure such as surface and waste water drainage and landfill gas collection.*
2. *Please clarify the nature of the wastewater discharge from the materials recovery building.*
3. *Please provide an up to date version of the following drawings indicating the proposed licence boundary:*
 - *Title: Electrical & Landfill Gas Collection Layout. Drawing No. D003 Rev A Date 23-10-17 (from Appendix 2 of the independent closure audit)*
 - *Title: Surface Water & Waste Water Layout. Drawing No. D002 Rev A Date 23-10-17 (from Appendix 2 of the independent closure audit)*
4. *Please provide an appropriate assessment (AA) screening report.*

Please find replies to each of the above requests as follows:

1. I refer to The Independent Closure Audit submitted to the Agency on 28th August 2020 Ref. LR052084. The new licenced boundary will be the ground level at the MRF and CA site and everything below the surface level will remain under W0020. A description of this new boundary is stated on numerous occasions in the Independent Closure Audit document as follows:

- (i) page 2 “the concession contract and waste permit will only include to the surface slab and the infrastructure over-ground.....”.
- (ii) page 22 “MCC will continue to retain responsibility and liability for sub-surface conditions as required under the current IE licence. The proposed licence surrender is limited to surface, above ground activity associated with the MRF and CA.”
- (iii) page 23 “As the subsurface waste is not being surrendered from the current IE licence MCC will continue to retain responsibility and liability for sub-surface and groundwater conditions and the management of the same as required under conditions of the existing IE licence”.

As the proposed boundary is the ground level, a vertical profile drawing is not required.

2. The waste water discharge from the Material Recovery building is effluent from the canteen and toilet area which discharges to the septic tank on site.

The waste water that discharges from the MRF rear yard to MH1 as per attached “Updated Surface Water & Waste Water Layout dated 8.12.2020” is surface water run-off which is contaminated from activities that take place in the rear yard of the MRF in particular the storage of green waste and the storage of glass bottles.

Analysis of this discharge is undertaken on a monthly with test results (from 2015 to 2020) as follows:

BOD	Range = 5 - 913mg/l O ₂	Average = 125mg/l O ₂
COD	Range = 36 - 2280mg/l O ₂	Average = 308mg/l O ₂
pH	Range = 6.4 – 7.8 pH U	Average = 6.9 pH
Conductivity	Range = 622 – 6910 µs/cm	Average = 1866 µs/cm
Chlorides	Range = 16 - 1500mg/l Cl	Average = 213mg/l Cl
Ammonia	Range = 1 - 185mg/l N	Average = 45mg/l N
TSS	Range = 8 - 2140mg/l SS	Average = 130mg/l SS.

The valve between MH1 and the leachate lagoon was shut earlier in 2020 thereby preventing contaminated surface water from the MRF entering the IE licenced site.

The contaminated surface water in MH1 is currently tankered by the operator of the MRF to Monaghan WWTP for treatment.

3. Drawings “Electrical & Landfill Gas Collection Layout. Drawing No. D003 Rev A Date 23-10-17” and “Surface Water & Waste Water Layout. Drawing No. D002 Rev A Date 23-10-17” are updated showing the proposed boundary change as a green line in drawings “Updated E and LG drawing MRF 8.12.2020” and “Updated SW and WW drawing MRF 8.12.2020” is included in this submission.
4. AA screening report by consultants Fehily Timoney is included in this submission.