



Headquarters
P.O. Box 3000
Johnstown Castle Estate
County Wexford
Ireland

TECHNICAL AMENDMENT C
To
WASTE LICENCE

| | |
|---------------------------------------|---|
| Licence Register Number: | W0129-02 |
| Companies Registration Number: | 583070 |
| Licensee: | Integrated Materials Solutions Limited Partnership |
| Location of Facility: | Hollywood Great, Nags Head, The Naul, County Dublin |

Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of Licence Reg. No. **W0129-02 granted on 21st May 2008, (and amended on 23rd June 2011 and 28th November 2018)** as well as any amendments noted herein, any emissions from the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Act 1996 as amended.

A screening for Appropriate Assessment was undertaken to assess, in view of best scientific knowledge and the conservation objectives of the site, if the activity, individually or in combination with other plans or projects is likely to have a significant effect on any European Site. In this context, particular attention was paid to the European Site(s) at Rogerstown Estuary Special Area of Conservation and Rogerstown Estuary Special Protection Area.

The activity is not directly connected with or necessary to the management of any European Site and the Agency considered, for the reasons set out below, that it can be excluded, on the basis of objective information, that the activity, individually or in combination with other plans or projects, will have a significant effect on any European Site and accordingly determined that an Appropriate Assessment of the activity was not required.

This determination is based on the fact that the proposed amendments will not result in a material change to the nature of the discharges from the activity.

Technical Amendment

In pursuance of the powers conferred on it by **Section 42B(1)(b)** of the Waste Management Act 1996 as amended, the Agency amends Licence Reg. No. **W0129-02**, granted to **Integrated Materials Solutions Limited Partnership, Floor 7, College House, Townsend Street, D02 F990, Dublin City.**

Henceforth, the licence shall be read in conjunction with **Amendments A and B issued on 23rd June 2011 and 28th November 2018** and the amendments set out below.

This technical amendment is limited to the following Schedule:

Amendments

Schedules of Licence

Amend Table A.4.1. of Schedule A.4 Limit Values for Pollutant Content for Inert Waste Landfills, of the licence to include Note 8 and Note 9 as follows:

Table A.4.1: Limit Values for Pollutant Content for Inert Waste Landfills.

| Parameter | L/S = 2 l/kg | L/S = 10 l/kg | Co (percolation test) | Total Pollutant Content |
|--|---------------------|---------------------|-----------------------|-------------------------|
| | mg/kg dry substance | mg/kg dry substance | mg/l | mg/kg dry substance |
| Arsenic (as As) | 0.1 | 0.5 | 0.06 | |
| Barium (as Ba) | 7.0 | 20.0 | 4.0 | |
| Cadmium (as Cd) | 0.03 | 0.04 | 0.02 | |
| Total Chromium (as Cr) | 0.2 | 0.5 | 0.1 | |
| Copper (as Cu) | 0.9 | 2.0 | 0.6 | |
| Mercury (as Hg) | 0.003 | 0.01 | 0.002 | |
| Molybdenum (as Mo) | 0.3 | 0.5 | 0.2 | |
| Nickel (as Ni) | 0.2 | 0.4 | 0.12 | |
| Lead (as Pb) | 0.2 | 0.5 | 0.15 | |
| Antimony (as Sb) | 0.02 | 0.06 | 0.10 | |
| Selenium (as Se) | 0.06 | 0.1 | 0.04 | |
| Zinc (as Zn) | 2.0 | 4.0 | 1.2 | |
| Chloride | 550.0 | 800.0 | 460.0 | |
| Fluoride | 4.0 | 10.0 | 2.5 | |
| Sulphate ^{Note 1} | 560.0 | 1000.0 | 1500.0 | |
| Phenol index | 0.50 | 1.0 | 0.3 | |
| Dissolved Organic Carbon (DOC) ^{Note 2} | 240.0 | 500.0 | 160.0 | |
| Total Dissolved Solids (TDS) ^{Note 3} | 2500.0 | 4000.0 | | |
| Total Organic Carbon (TOC) ^{Note 4} | | | | 30,000.0 |
| BTEX ^{Note 5} | | | | 6.0 |
| PCB (7 congeners) | | | | 1.0 |
| Mineral Oil (C10 – C40) | | | | 500.0 |
| Total PAH ^{Note 6} | | | | 100.0 |

Note 1: If the waste does not meet these values for sulphate, it may still be considered as complying with the acceptance criteria if the leaching does not exceed either of the following values: 1500 mg/l as Co at L/S = 0.1 l/kg and 6000mg/kg at L/S = 10 l/kg. It will be necessary to use a percolation test to determine the limit value at L/S = 0.1 l/kg under initial equilibrium conditions, whereas the value at L/S = 10 l/kg may be determined either by a batch leaching test or by a percolation test under conditions approaching local equilibrium.

Note 2: If the waste does not meet these values for dissolved organic carbon (DOC) at its own pH value, it may alternatively be tested at L/S = 10 l/kg and a pH between 7.5 and 8.0. The waste may be considered as complying with the acceptance criteria for DOC, if the result of this determination does not exceed 500 mg/l. (A method based on CEN/TS 14429:2005 is available).

Note 3: The values for TDS (Total Dissolved Solids) can be used alternatively to the values for Sulphate and Chloride.

Note 4: The TOC limit value is complied with as long as the loss on ignition does not exceed 5% per weight. In the case of soils a higher limit value may be admitted by the Agency, provided the Dissolved Organic Carbon at pH 7 (DOC7) value of 500 mg/kg is achieved.

Note 5: Benzene, toluene, ethylbenzene, o-xylene, m-xylene and p-xylene.

Note 6: For determining the total of PAH, the following seventeen compounds must be added to a sum: Fluoranthene C16H10, Benzoic(a)pyrene C20H12, Benzoic(b)fluoranthene C20H12, Benzoic(k)fluoranthene C20H12, Benzoic(g,h,i)perylene C22H12, I, Indenoic(1,2,3-c,d)pyrene C22H1, Napthalene, Acenaphthylene, Acenaphthene, Anthracene, Benzo(a)anthracene, Chrysene, Coronene, Dibenzo(a,h)anthracene, Flourene, Phenanthrene, Pyrene.

- Note 7:** Any changes to limit values shall be by written agreement in advance with the Agency.
- Note 8:** In accordance with paragraph 2 of EC Council Decision 2003/33/EC for waste types soil and stone (17 05 04) and dredging spoil (17 05 06) the parametric limits for Sulphate, Chloride, Antimony, Selenium, Molybdenum, Arsenic and Total Dissolved Solids (TDS) may be increased to up to 3 times the limit.
- Note 9:** In accordance with paragraph 2 of EC Council Decision 2003/33/EC for waste types soil and stone (17 05 04) and dredging spoil (17 05 06) the parametric limit of total organic carbon (TOC) may increase to up to 2 times the limit.

This technical amendment shall be cited as Amendment C (in pursuance of Section 42B(1) of the Waste Management Act 1996 as amended) to Waste Licence Register No. **W0129-02**.

Sealed by the seal of the Agency on this the day of 2019

PRESENT when the seal of the Agency
was affixed hereto:

xxxxxxx, **Director/Authorised Person**