**CORRIB GAS DEVELOPMENT**

**Report for PMC (Terminal) Meeting on 19th October 2016.**

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**Water Quality – Carrowmore Lake**

* Responsibility for environmental monitoring and enforcement at the Terminal site transferred to the EPA on 11/11/2014 as a result of the commencement of testing activities on site with backfeed gas from the Gas Networks Ireland main.
* Mayo County Council’s Project Team has therefore ceased all monitoring activities which now fall under the remit of the EPA.
* Monitoring of water quality within the Carrowmore Lake catchment by Mayo County Council continues to take place and the most recent monitoring results are attached.

**Environmental Issues at the Bellanaboy Site**

* Construction work at the terminal site is complete.
* Gas production commenced in late December 2015 and is ongoing.
* Final landscaping works on site are complete.
* The axonics water treatment unit has been decommissioned and surface water runoff is now being treated using siltbusters prior to discharge.

**Community Fund**

* Works have been completed on all projects for which funding was allocated.

**Transportation/Roads**

Movement of plant, materials and equipment associated with the gas terminal phase of the project has now ceased. All traffic movements to date have been carried out in compliance with the Traffic Management Plan. The final post works haul road condition surveys have been completed and a final haul road reinstatement programme has been prepared and agreed with the Developer. The programme provides for an investment of €2.284m for surface restoration works at sections identified on the following list of roads: R313(Bangor/Belmullet Road), L1204(Peat Haul Road), L1202(Glengad Road), L1206(Mt Jubilee Road), L1201(Ballyglass Road),N59(Bangor/Coolturk Road).

The works will be carried out in the 2017 road works season.

**CARROWMORE LAKE**

**Results from 22/03/2016 to 30/9/2016 (7 Samples)**

**Analysis by Environmental Laboratory Services, Cork**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Units** | **Average** | **Max** | **Min** |
| **Suspended Solids** | **mg/l** | 6 | 7 | 5 |
| **Turbidity** | **N.T.U** | 2.6 | 5.6 | 0.9 |
| **pH** | **pH units** | 7.5 | 7.7 | 7.2 |
| **Conductivity** | **uS/cm** | 129 | 140 | 115 |
| **Phosphate** | **mg/l P** | 0.015 | 0.062 | 0.005 |
| **Ammonia** | **mg/l NH3-N** | 0.077 | 0.277 | 0.017 |
| **Nitrate** | **mg/l NO3-N** | 0.13 | 0.15 | 0.12 |
| **Nitrite** | **mg/l NO2-N** | 0.011 | 0.013 | <0.005 |
| **Total Aluminium** | **ug/l Al** | 39 | 52 | 20 |

**ERRIS REGIONAL WATERWORKS (Final Treated Water)**

**Results from 01/04/2016 to 30/09/2016 (182 Samples)**

**Analysis carried out at Erris Regional Waterworks**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Parameter** | **Units** | **Average** | **Max** | **Min** | **Drinking Water Limits** |
| **Colour** | **mg/l** | 1.22 | 8 | 0 | <10 Haz |
| **Turbidity** | **N.T.U** | 0.09 | 0.25 | 0.03 | <2.0 NTU |
| **pH** | **pH units** | 7.1 | 8.1 | 6.7 | 6.5 – 8.5 |
| **Free Chlo/Res** | **mg/l** | 1.4 | 1.74 | 1 | >0.3 |
| **Total Chlo/Res** | **mg/l** | 1.51 | 1.94 | 1.16 | >0.3 |
| **Flourine** | **ppm** | 0.7 | 0.8 | 0.6 | 0.6-0.8 |
| **Total Aluminium** | **ug/l** | 42 | 113 | 7 | 200 |

## BELLANABOY TERMINAL DEVELOPMENT

## BELLANABOY RIVER

**Upstream and Downstream of discharge from Terminal site – to be monitored on a monthly basis from April 2016 during Reinstatement Works. Results from 22/03/2016 to 30/9/2016 (7 samples)**

**Analysis by Environmental Laboratory Services, Cork**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **BEL 1 (upstream)** | | |  | **BEL 2 (downstream)** | | |
| **Parameter** | **Units** | **Average** | **Max** | **Min** |  | **Average** | **Max** | **Min** |
| Suspended Solids | **mg/l** | 5.6 | 9 | <5 |  | 6.8 | 13 | <5 |
| **Turbidity** | **N.T.U** | 4.1 | 7.8 | 2 |  | 3.8 | 6 | 2.2 |
| **pH** | **pH units** | 7.3 | 7.8 | 6.9 |  | 7.3 | 7.6 | 6.9 |
| **Conductivity** | **uS/cm** | 162 | 236 | 116 |  | 172 | 242 | 126 |
|  |  |  |  |  |  |  |  |  |
| **Phosphate** | **mg/l P** | 0.03 | 0.05 | 0.01 |  | 0.03 | 0.04 | 0.02 |
| **Ammonia** | **NH3-N** | 0.063 | 0.12 | 0.01 |  | 0.13 | 0.48 | 0.005 |
| **Nitrate** | **mg/l NO3-N** | 0.16 | 0.36 | <0.12 |  | 0.13 | 0.15 | <0.12 |
| **Nitrite** | **mg/l NO2-N** | 0.01 | 0.013 | <0.005 |  | 0.01 | 0.013 | <0.005 |
| **Total Aluminium** | **ug/l Al** | 59 | 93 | 20 |  | 61 | 89 | 18 |