

# **CORRIB GAS DEVELOPMENT**

## **Report for PMC (Terminal) Meeting on 13<sup>th</sup> April 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 due to be completed this spring.
- 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**

There are no roadworks underway at present and there have been no transportation issues since the last meeting. The final haul road condition surveys have been completed and work is underway on the preparation of a final haul road reinstatement programme.

**CARROWMORE LAKE**  
**Results from 12/11/2015 to 14/3/2016 (14 Samples)**  
**Analysis by Environmental Laboratory Services, Cork**

Parameter	Units	Average	Max	Min
Suspended Solids	mg/l	8.79	33	5
Turbidity	N.T.U	4.17	8.08	1.19
pH	pH units	7.09	7.5	6.9
Conductivity	uS/cm	116.50	144	99
Phosphate	mg/l P	0.011	0.034	0.009
Ammonia	mg/l NH <sub>3</sub> -N	0.05	0.18	0.015
Nitrate	mg/l NO <sub>3</sub> -N	0.14	0.23	0.12
Nitrite	mg/l NO <sub>2</sub> -N	0.01	0.013	0.013
Total Aluminium	ug/l Al	71.79	99	51

**ERRIS REGIONAL WATERWORKS (Final Treated Water)**  
**Results from 26/11/2015 to 31/03/2016 (127 Samples)**  
**Analysis carried out at Erris Regional Waterworks**

Parameter	Units	Average	Max	Min	Drinking Water Limits
Colour	mg/l	0.83	5	0	<10 Haz
Turbidity	N.T.U	0.07	0.25	0.01	<2.0 NTU
pH	pH units	7.01	7.93	6.46	6.5 – 8.5
Free Chlo/Res	mg/l	1.36	1.68	0.92	>0.3
Total Chlo/Res	mg/l	1.46	1.76	1.01	>0.3
Flourine	ppm	0.68	0.8	0.60	0.6-0.8
Total Aluminium	ug/l	52.08	132	10	200

## **BELLANABOY TERMINAL DEVELOPMENT**

### **BELLANABOY RIVER**

**Upstream and Downstream of discharge from Terminal site – to be monitored on a weekly basis for 2015 and 2016 Reinstatement Works. Results from 12/11/2015 to 14/3/2016 (14 samples)**

**Analysis by Environmental Laboratory Services, Cork**

<b>Parameter</b>	<b>Units</b>	<b>BEL 1 (upstream)</b>			<b>BEL 2 (downstream)</b>		
		<b>Average</b>	<b>Max</b>	<b>Min</b>	<b>Average</b>	<b>Max</b>	<b>Min</b>
<b>Suspended Solids</b>	<b>mg/l</b>	10.79	48	5	10.29	42	5
<b>Turbidity</b>	<b>N.T.U</b>	3.30	13.2	1.31	3.43	10	1.3
<b>pH</b>	<b>pH units</b>	6.59	7	6	6.64	7	6.1
<b>Conductivity</b>	<b>uS/cm</b>	120.79	244	56	129.50	250	61
<b>Phosphate</b>	<b>mg/l P</b>	0.02	0.054	0.012	0.02	0.059	0.013
<b>Ammonia</b>	<b>NH<sub>3</sub>-N</b>	0.10	0.59	0.036	0.15	0.841	0.057
<b>Nitrate</b>	<b>mg/l NO<sub>3</sub>-N</b>	0.13	0.16	0.12	0.13	0.18	0.12
<b>Nitrite</b>	<b>mg/l NO<sub>2</sub>-N</b>	0.02	0.038	0.013	0.01	0.013	0.013
<b>Total Aluminium</b>	<b>ug/l Al</b>	77.29	140	45	82.36	160	46



## Srahmore Peat Repository WL 0199-02

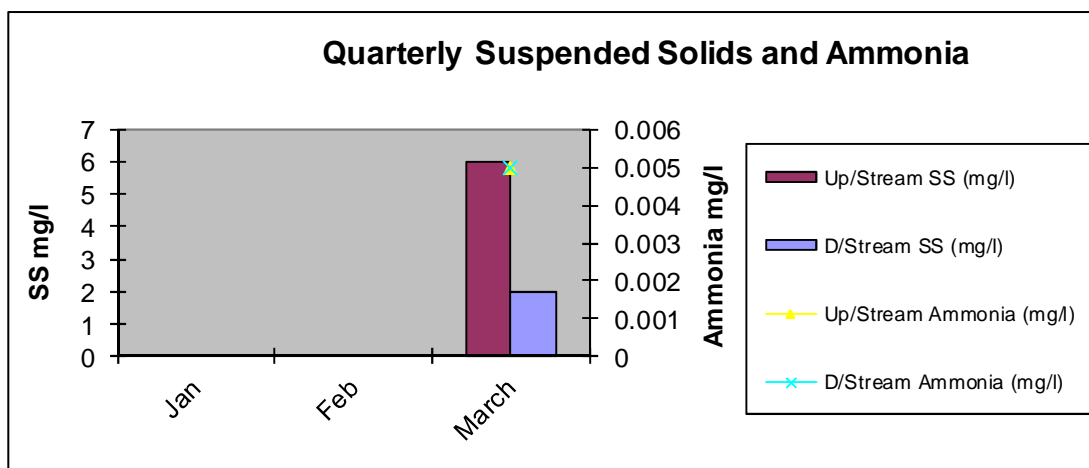
**Environmental Management System Up-Date No. 75 (13/04/16)**

### Environmental Monitoring:

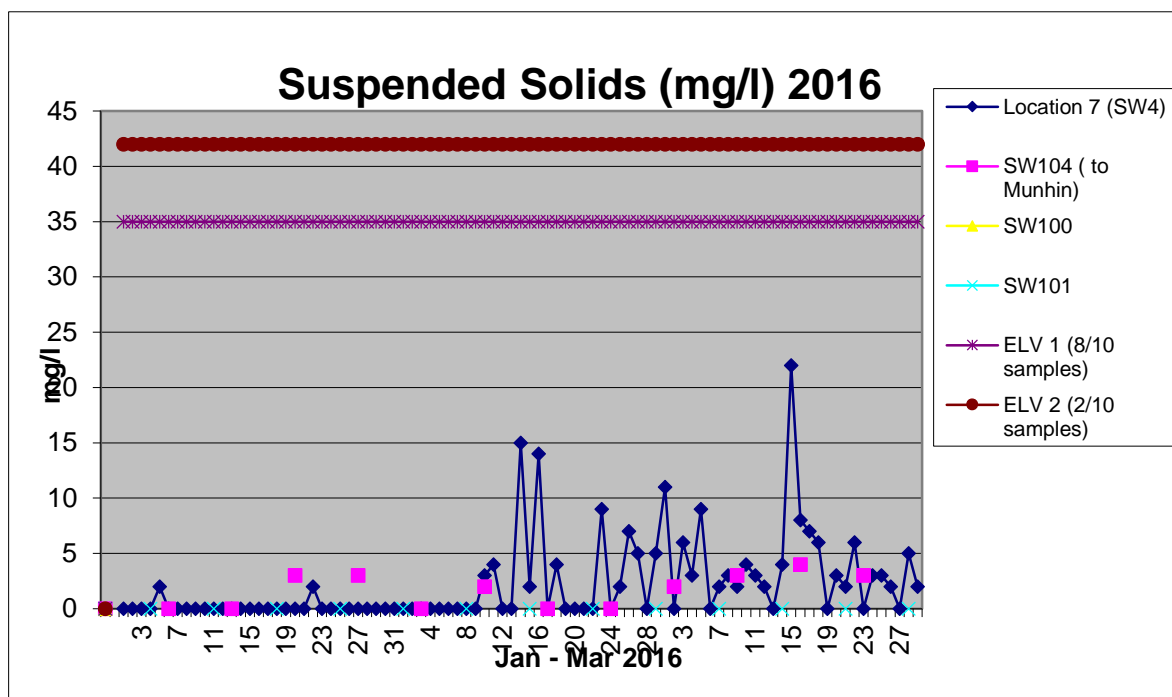
- There were no non-compliances since the last meeting in November 2015
- There were no complaints since the last meeting in November 2015.
- There were no incidents since the last meeting in November 2015.

### Monitoring Results:

#### Munhin 2016 (todate)



#### SW4/104/100&101 2016



The average Suspended Solids to date for 2016 is 3mg/l at SW 4 and at the discharge from the site to the Munhin at SW104, and 2mg/l at SW101.

SW100 has been removed from the monitoring system, as approved by the EPA as it is not treating any process water from the site operations.

### **Srahmore Site Update:**

#### **Personnel:**

##### **On Site**

		Tractor & General Oper.	0	Environmental	0
BnM (Engineering)	0	Fitters	0	Archaeological	0
Site Admin & Mgt.	1	Electricians	0		
		Site Supervisors	0		
		Excavator & Shovel	0		
				<b>TOTAL EMPLOYED</b>	<b>1</b>

##### **Contractors**

Security	0	Catering	0		
				<b>TOTAL EMPLOYED</b>	<b>0</b>

##### **Off Site**

Head Offices Staff	0			BnM (Support)	0
Environmental Officer	1				
				<b>TOTAL EMPLOYED</b>	<b>1</b>

				<b>OVERALL TOTAL EMPLOYED</b>	<b>2</b>
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### **Srahmore Site Operations:**

The site continuous to be stabilised and rehabilitated, with the site emissions well below the emission limit values to date in 2016. The water level in Bay 4 was raised to enable more stabilisation of the peat and to facilitate an increased retention time of surface water from the site. Upon verification of success following monitoring and assessment for stability and ecology, this will be extended to the remaining bays.

**As of the 29th of March 2016 the Srahmore site is compliant with Waste Licence W0199-02.**

**Bellanaboy Bridge Terminal Site**  
**Report to the Project Monitoring Committee**  
**13th of April 2016**

**Works Undertaken**

The following reinstatement related activities were undertaken:

- Consolidation of temporary construction facilities (TCF) which includes contractor laydown areas, welfare facilities, parking areas and offices.
- Removal of temporary power cables and associated services removed.
- Landscaping and planting continued over the reporting period.

**Traffic** – traffic movements are given in the below table.

<b>Traffic Movements</b>
<b>Jan- March</b>
2434

**Outlook April 2016 Onwards:**

Final landscaping activities to be undertaken of temporary construction facilities.