

# **CORRIB GAS DEVELOPMENT**

## **Report for PMC (Terminal) Meeting on 2<sup>nd</sup> December 2015.**

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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 substantially complete.
- Gas from the Bord Gais main has now been introduced to the site and a programme of testing is underway.
- Final landscaping works on site are ongoing. Consolidation of temporary construction facilities in advance of landscaping is ongoing.
- Surface water runoff from all areas outside the terminal footprint is treated by the axonics unit on site prior to discharge to the site drainage system.

### **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 survey is in progress and this will enable a final haul road reinstatement programme to be prepared. It is intended to have this programme developed by the end of 2015.

**CARROWMORE LAKE**  
**Results from 28/08/2015 to 4/11/2015 (9 Samples)**  
**Analysis by Environmental Laboratory Services, Cork**

Parameter	Units	Average	Max	Min
Suspended Solids	mg/l	6.22	11	5
Turbidity	N.T.U	2.35	5.32	1.1
pH	pH units	7.26	7.5	6.8
Conductivity	uS/cm	110	132	91
Phosphate	mg/l P	.01	.012	.009
Ammonia	mg/l NH <sub>3</sub> -N			
Nitrate	mg/l NO <sub>3</sub> -N	.128	.2	.12
Nitrite	mg/l NO <sub>2</sub> -N	.013	.013	.013
Total Aluminium	ug/l Al	73.3	160	32

**ERRIS REGIONAL WATERWORKS (Final Treated Water)**  
**Results from 01/09/2015 to 25/11/2015 (86 Samples)**  
**Analysis carried out at Erris Regional Waterworks**

Parameter	Units	Average	Max	Min	Drinking Water Limits
Colour	mg/l	0.465	3	0	<10 Haz
Turbidity	N.T.U	0.194	6.89	0.03	<2.0 NTU
pH	pH units	6.935	7.52	1.53	6.5 – 8.5
Free Chlo/Res	mg/l	1.453	1.68	1.2	>0.3
Total Chlo/Res	mg/l	1.542	1.8	0.12	>0.3
Flourine	ppm	0.686	0.8	0.6	0.6-0.8
Total Aluminium	ug/l	48.593	77	32	200

## **BELLANABOY TERMINAL DEVELOPMENT**

### **BELLANABOY RIVER**

**Upstream and Downstream of discharge from Terminal site – to be monitored on a weekly basis for 2015 Reinstatement Works. Results from 28/08/2015 to 4/11/2015 (9 samples)  
Analysis by Environmental Laboratory Services, Cork**

<b>Parameter</b>	<b>Units</b>	<b>BEL 1 (upstream)</b>			<b>BEL 2 (downstream)</b>		
		<b>Result</b>	<b>Max</b>	<b>Min</b>	<b>Result</b>	<b>Max</b>	<b>Min</b>
<b>Suspended Solids</b>	<b>mg/l</b>	5.33	8.00	5.00	5.000	5	5
<b>Turbidity</b>	<b>N.T.U</b>	2.39	3.95	1.58	2.469	3.9	1.62
<b>pH</b>	<b>pH units</b>	7.00	7.50	6.20	7.022	7.4	6.3
<b>Conductivity</b>	<b>uS/cm</b>	151.33	217.0	69.00	161.111	222	77
<b>Phosphate</b>	<b>mg/l P</b>	0.03	0.04	0.02	0.025	0.035	0.021
<b>Ammonia</b>	<b>NH<sub>3</sub>-N</b>	0.11	0.24	0.03	0.136	0.28	0.053
<b>Nitrate</b>	<b>mg/l NO<sub>3</sub>-N</b>	0.18	0.62	0.12	0.153	0.42	0.12
<b>Nitrite</b>	<b>mg/l NO<sub>2</sub>-N</b>	0.013	0.013	0.013	0.013	0.013	0.013
<b>Total Aluminium</b>	<b>ug/l Al</b>	73.11	160.0	27.00	72.222	140	36

## Srahmore Peat Repository WL 0199-02

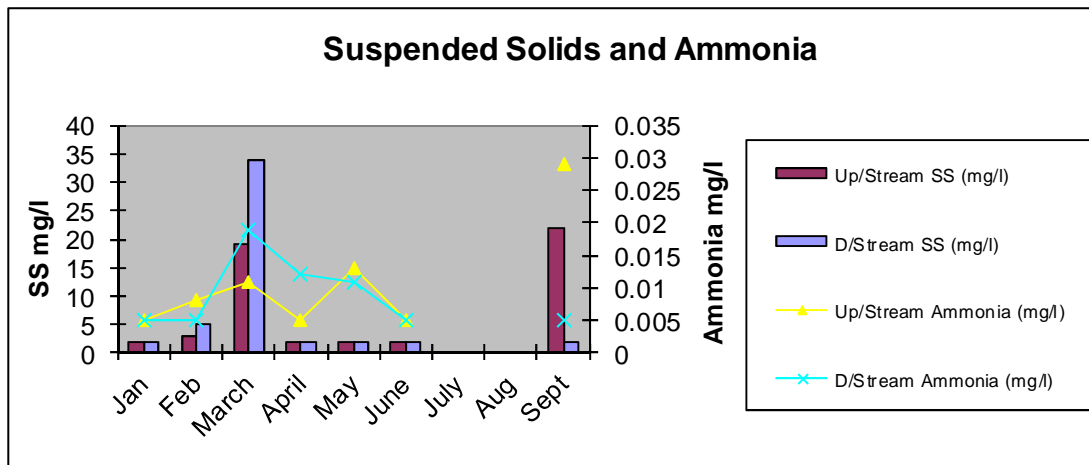
### Environmental Management System Up-Date No. 74 (02/12/15)

#### Environmental Monitoring:

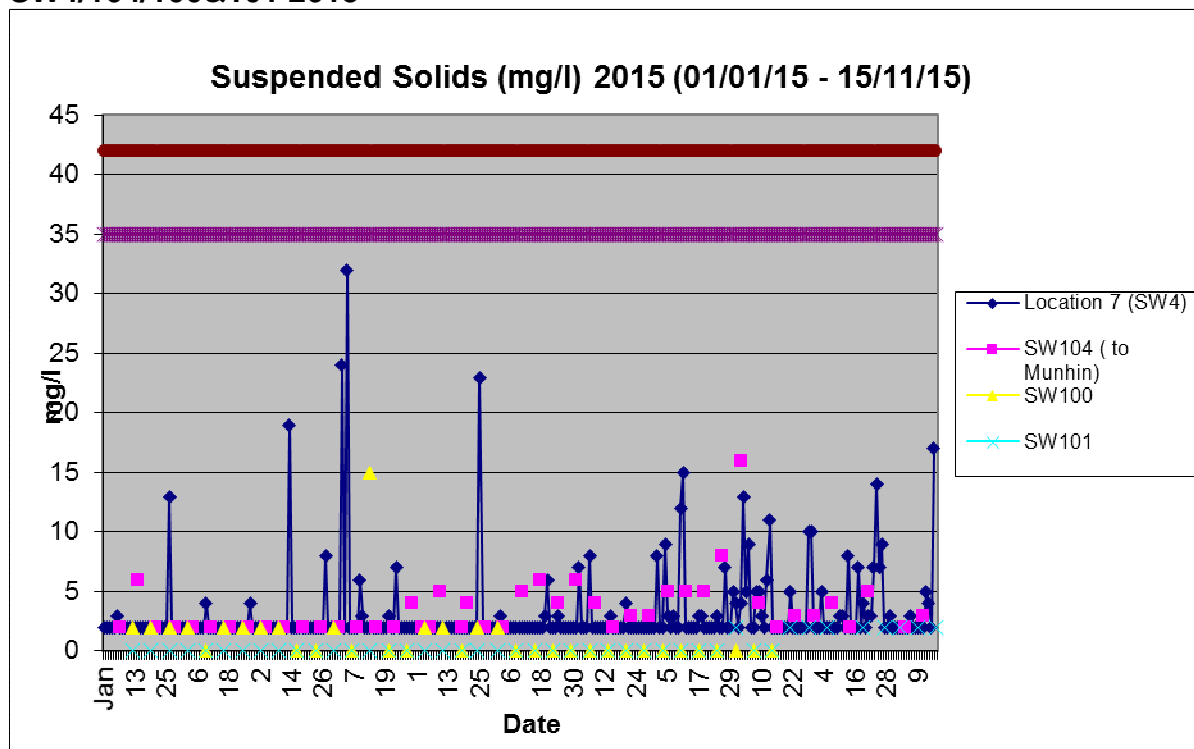
- There were no non-compliances since the last meeting in September 2015
- There were no complaints since the last meeting in September 2015.
- There were no incidents since the last meeting in September 2015.

#### Monitoring Results:

##### Munhin 2015 (todate)



##### SW4/104/100&101 2015



The average Suspended Solids to date for 2015 is 3mg/l at SW 4 and at the discharge from the site to the Munhin at SW104, and 0.41mg/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 2015. 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 15th of November 2015 the Srahmore site is compliant with Waste Licence W0199-02.**

**Bellanaboy Bridge Terminal Site**  
**Report to the Project Monitoring Committee**

**2<sup>nd</sup> December 2015**

**Works Undertaken**

The following reinstatement related activities are ongoing:  
Consolidation of temporary construction facilities (TCF) which includes contractor laydown areas, welfare facilities, parking areas and offices. Temporary power cables and associated services removed. Final reinstatement activities at the northern end of TCF and at main entrance Gate 1.

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

<b>Traffic Movements</b>
<b>September 2015</b>
1,065
<b>October 2015</b>
878

**Outlook December 2015 Onwards:**

Continuation of consolidation of temporary construction facilities and final landscaping activities of temporary construction facility at the northern area and at main entrance Gate 1.