

# **CORRIB GAS DEVELOPMENT**

## **Report for PMC (Terminal) Meeting on 23rd September 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 An Bord Gais 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.

**CARROWMORE LAKE****Results from 22/04/2015 to 27/08/2015 (18 Samples)****Analysis by Environmental Laboratory Services, Cork**

<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Max</b>	<b>Min</b>
<b>Suspended Solids</b>	<b>mg/l</b>	6	10	<5
<b>Turbidity</b>	<b>N.T.U</b>	2.5	10.2	0.8
<b>pH</b>	<b>pH units</b>	7.5	7.7	7.3
<b>Conductivity</b>	<b>uS/cm</b>	155	178	130
<b>Phosphate</b>	<b>mg/l P</b>	0.01	0.034	<0.009
<b>Ammonia</b>	<b>mg/l NH<sub>3</sub>-N</b>	0.08	0.18	0.033
<b>Nitrate</b>	<b>mg/l NO<sub>3</sub>-N</b>	0.135	0.34	<0.12
<b>Nitrite</b>	<b>mg/l NO<sub>2</sub>-N</b>	<0.013	<0.013	<0.013
<b>Total Aluminium</b>	<b>ug/l Al</b>	38	130	18

**ERRIS REGIONAL WATERWORKS (Final Treated Water)****Results from 01/05/2015 to 31/08/2015 (123 Samples)****Analysis carried out at Erris Regional Waterworks**

<b>Parameter</b>	<b>Units</b>	<b>Average</b>	<b>Max</b>	<b>Min</b>	<b>Drinking Water Limits</b>
<b>Colour</b>	<b>mg/l</b>	1.3	5	0	<10 Haz
<b>Turbidity</b>	<b>N.T.U</b>	0.12	0.33	0.01	<2.0 NTU
<b>pH</b>	<b>pH units</b>	7.2	8.5	6.7	6.5 – 8.5
<b>Free Chlo/Res</b>	<b>mg/l</b>	1.34	1.68	0.98	>0.3
<b>Total Chlo/Res</b>	<b>mg/l</b>	1.44	1.81	1.15	>0.3
<b>Flourine</b>	<b>ppm</b>	0.7	0.8	0.6	0.6-0.8
<b>Total Aluminium</b>	<b>ug/l</b>	50	100	20	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 22/04/2015 to 27/08/2015 (18 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	7	<5	5	6	<5
<b>Turbidity</b>	<b>N.T.U</b>	2.4	3.9	1.6	2.5	4	1.2
<b>pH</b>	<b>pH units</b>	7.1	7.5	6.2	7.1	7.4	6.4
<b>Conductivity</b>	<b>uS/cm</b>	158	222	81	170	226	90
<b>Phosphate</b>	<b>mg/l P</b>	0.02	0.09	<0.009	0.019	0.07	<0.009
<b>Ammonia</b>	<b>NH<sub>3</sub>-N</b>	0.102	0.25	0.05	0.104	0.28	0.053
<b>Nitrate</b>	<b>mg/l NO<sub>3</sub>-N</b>	0.12	0.15	<0.12	0.12	0.14	<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>	67	130	24	67	130	25

## Srahmore Peat Repository WL 0199-02

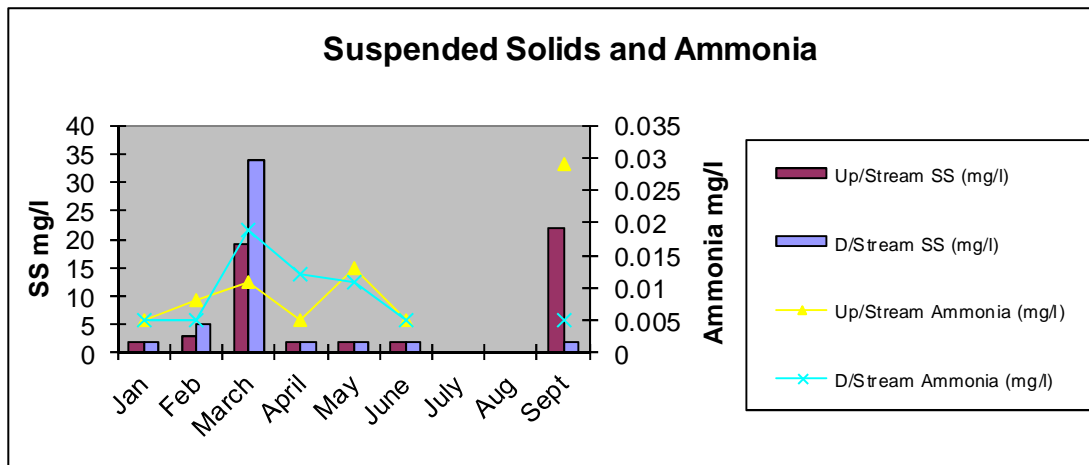
**Environmental Management System Up-Date No. 73 (15/09/15)**

### Environmental Monitoring:

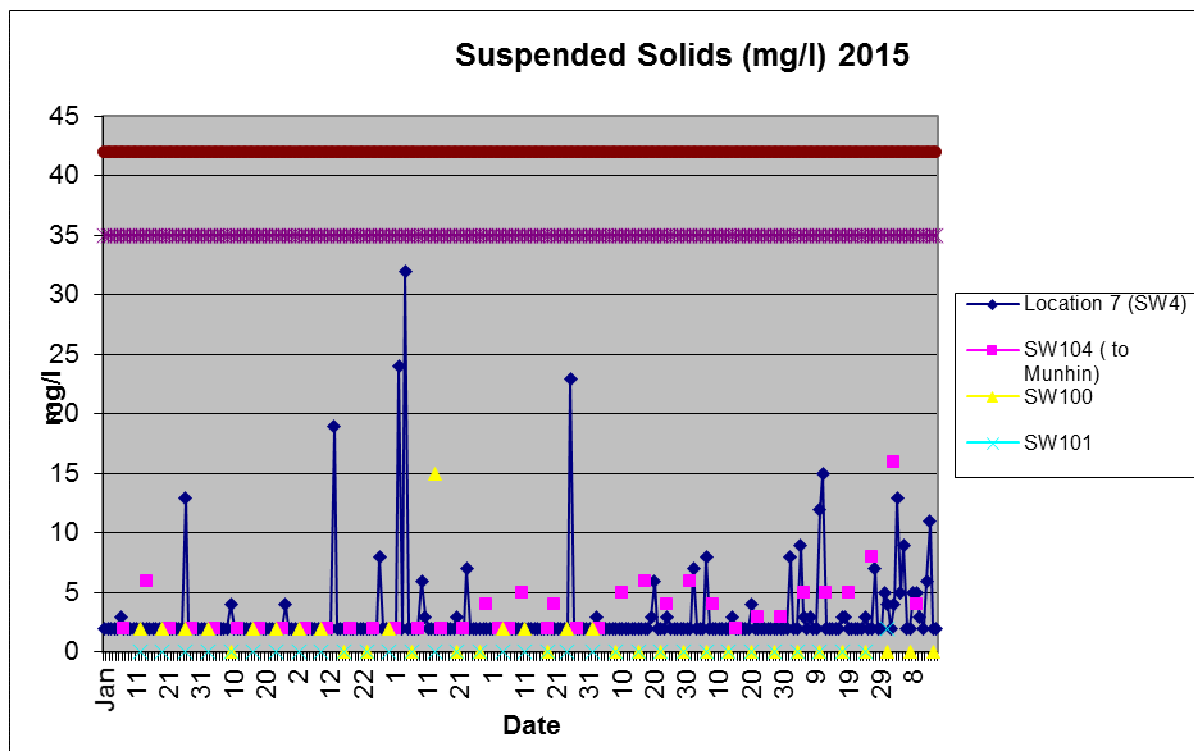
- There were no non-compliances since the last meeting in May 2015
- There were no complaints since the last meeting in May 2015.
- There were no incidents since the last meeting in May 2015.

### 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 4 mg/l at the discharge from the site to the Munhin at SW104, and 1 and 0 mg/l at SW100 and 101 (No discharges from SW101).

### 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.

The Annual Environmental Report for 2014 was submitted to the EPA on the 31<sup>st</sup> March 2015 and is available at <http://www.epa.ie/terminalfour/waste/index.jsp>,

**As of the 15th of September 2015 the Srahmore site is compliant with Waste Licence W0199-02.**

## Bellanaboy Bridge Terminal Site

### Report to the Project Monitoring Committee

23<sup>rd</sup> September 2015

#### Works Undertaken

The following reinstatement related activities are ongoing:  
Consolidation of temporary construction facilities which includes contractor laydown areas, welfare facilities, parking areas and offices.

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

<b>Traffic Movements</b>
<b>May 2015</b>
1,786
<b>June 2015</b>
2,421
<b>July 2015</b>
1,928
<b>August 2015</b>
1,230

#### Outlook September 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.