

CORRIB GAS DEVELOPMENT

Report for PMC (Terminal) Meeting on 13th May 2015.

**Prepared by Mr. Padraic Walsh, Senior Engineer,
Project Manager for Mayo County Council.**

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 will resume later this year. Consolidation of temporary construction facilities in advance of landscaping is underway.
- 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. Surface water runoff from within the terminal footprint is treated off site in a wastewater treatment facility.

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 05/03/2015 to 14/04/2015 (7 Samples)
Analysis by Environmental Laboratory Services, Cork

Parameter	Units	Average	Max	Min
Suspended Solids	mg/l	7	15	<5
Turbidity	N.T.U	3.4	5.8	2.0
pH	pH units	7.2	7.3	7.1
Conductivity	uS/cm	170	173	166
Phosphate	mg/l P	0.009	0.011	<0.009
Ammonia	mg/l NH ₃ -N	0.038	0.066	0.011
Nitrate	mg/l NO ₃ -N	0.12	0.13	<0.12
Nitrite	mg/l NO ₂ -N	<0.013	<0.013	<0.013
Total Aluminium	ug/l Al	45	56	34

ERRIS REGIONAL WATERWORKS (Final Treated Water)
Results from 01/03/2015 to 30/04/2015 (61 Samples)
Analysis carried out at Erris Regional Waterworks

Parameter	Units	Average	Max	Min	Drinking Water Limits
Colour	mg/l	2	6	0	<10 Haz
Turbidity	N.T.U	0.07	0.3	0.01	<2.0 NTU
pH	pH units	7.1	8.6	6.1	6.5 – 8.5
Free Chlo/Res	mg/l	1.3	1.6	0.9	>0.3
Total Chlo/Res	mg/l	1.4	1.6	1.0	>0.3
Flourine	ppm	0.7	0.8	0.6	0.6-0.8
Total Aluminium	ug/l	49	68	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 05/03/2015 to 14/04/2015 (7 samples)
Analysis by Environmental Laboratory Services, Cork

Parameter	Units	BEL 1 (upstream)			BEL 2 (downstream)		
		Result	Max	Min	Result	Max	Min
Suspended Solids	mg/l	<5	<5	<5	<5	<5	<5
Turbidity	N.T.U	3.2	4.7	1.5	3.4	4.6	2.3
pH	pH units	7.1	7.3	6.8	7.1	7.3	6.9
Conductivity	uS/cm	199	219	176	219	285	192
Phosphate	mg/l P	0.015	0.033	<0.009	0.016	0.041	<0.009
Ammonia	NH₃-N	0.086	0.18	0.044	0.086	0.14	0.04
Nitrate	mg/l NO₃-N	0.14	0.18	<0.12	0.14	0.19	<0.12
Nitrite	mg/l NO₂-N	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Total Aluminium	ug/l Al	37	46	21	40	57	21

Srahmore Peat Repository WL 0199-02

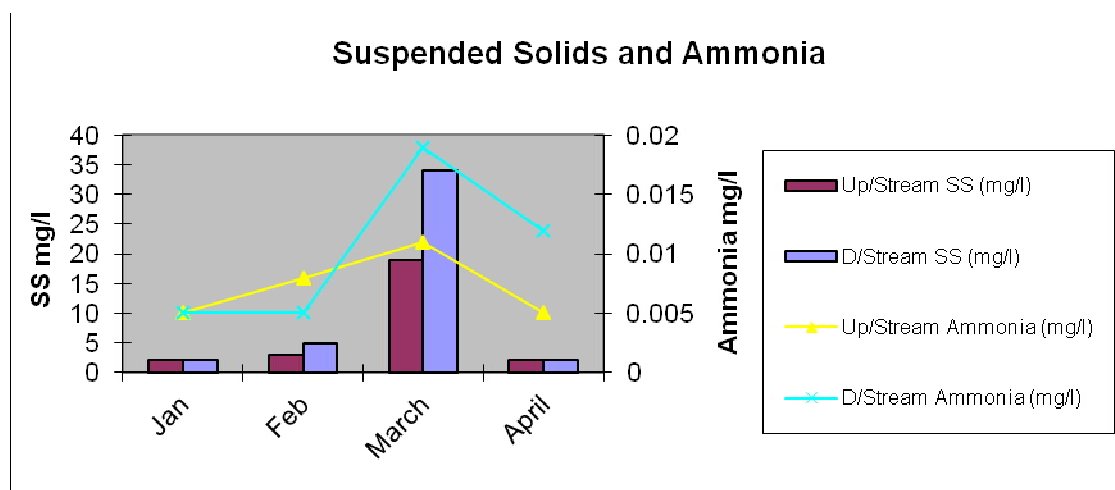
Environmental Management System Up-Date No. 72 (13/05/15)

Environmental Monitoring:

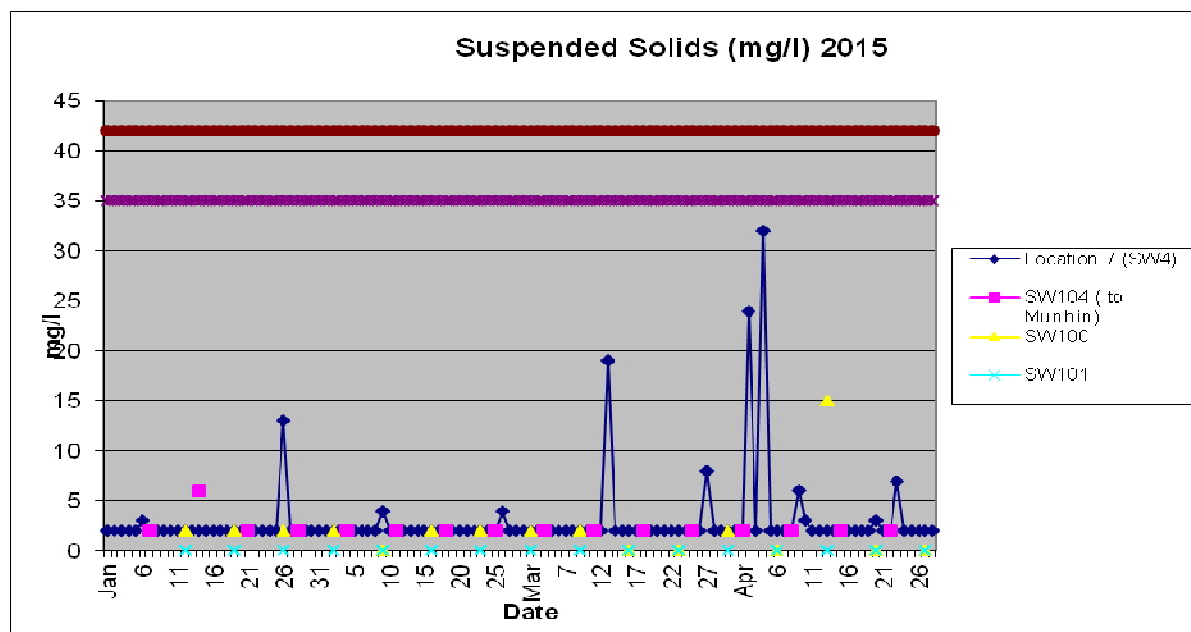
- There were no non-compliances since the last meeting in February 2015
- There were no complaints since the last meeting in February 2015.
- There were no incidents since the last meeting in February 2015.

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 2 mg/l at the discharge from the site to the Munhin at SW104, and 2 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		
				TOTAL EMPLOYED	1

Contractors

Security	0	Catering	0		
				TOTAL EMPLOYED	0

Off Site

Head Offices Staff	0			BnM (Support)	0
Environmental Officer	1				
				TOTAL EMPLOYED	1

OVERALL TOTAL EMPLOYED	2
-------------------------------	----------

Srahmore Site Operations:

Peat deposition is now completed. The site has been demobilised and is currently being monitored as per the licence requirements for stabilisation. An Environmental Liabilities Risk Assessment was carried out in October 2014, which has reduced the Financial Provision requirements for any known and unknown liabilities.

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

As of the 28th of April 2015 the Srahmore site is compliant with Waste Licence W0199-02.

Bellanaboy Bridge Terminal Site
Report to the Project Monitoring Committee

13th May 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.

Traffic Movements
February 2015
1,214
March 2015
1,482
April 2015
2,842

Outlook May 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.