

Corrib Gas Development

Report for PMC Meeting Dated 9th February 2005

Prepared by : P. Mahon Senior Engineer, Project Manager for Mayo County Council

Roads and Transportation

Roads

To date the following progress has been made;

100% of the widening has been carried out,
Glenturkbeg Bridge has been replaced,
Bellanaboy Bridge has being strengthened
Glenturkmore Bridge has been strengthened
4.5km of pavement strengthening has been carried out.

An outline of progress to date is shown on the attached drawing.

In the coming month the following works are proposed;

Replace Cloontakilla Bridge,
3km of pavement strengthening,

Transportation

Material being brought to the sites or the road widening at the site entrance adjacent to the site is being transported in accordance with the Traffic Management Plan prepared by the developer as part of the planning process. The transportation is being monitored by Mayo County Council daily.





The importation of material to the terminal site has been restricted to a maximum of 4 loads per hour until the realignment of the R314 at the terminal entrance has been carried out by the developer. The realignment is expected to be complete at the end of this week and as a result the restriction of 4 loads per hour will be lifted from week commencing Feb 14th 2004. A significant increase in the number of loads of stone, concrete etc. servicing the site is anticipated from that date.

The developer has advertised the projected volume of traffic expected to service the development of the terminal for the months of February and March in last weeks local newspapers. A copy of the advertisement is attached.

Weekly review meetings of the Traffic Management Plan are held every Friday morning and are attended by staff from Mayo County Council, Shell E&P Ireland, Bord na Mona and Transportation Personnel from the main contractors. These meetings help ensure that the Traffic Management Plan and any modifications to same are implemented to the satisfaction of the planning authority.

NOTES

LEGEND

-  Carriageway realignment by developer
-  Road Work Completed todate (4.5 km)
-  Bridge Work Completed todate
-  Carrowmore Lake Complex Special Area of Conservation (SAC) Ref No. 476



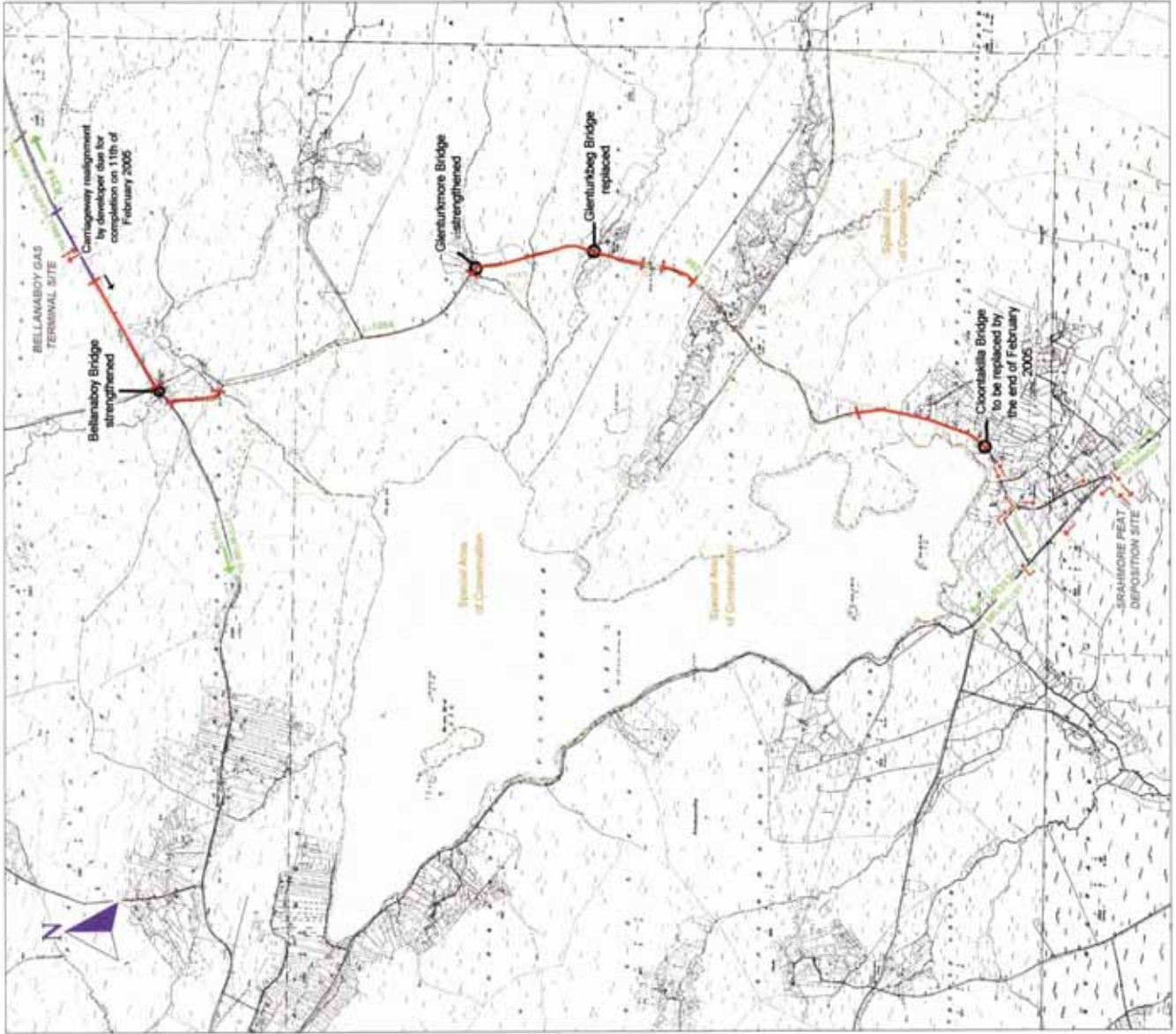
**Road Design Section,
Mayo County Council,
Aras An Chontae,
Castlebar,
County Mayo.**

County Engineer/D.O.S.
Mr. J. Beirne B.E., M.I.E., Eur. Ing.,
C. Eng., F.I.E.I., M.C.I.W.E.M.

S.E.E. Road Design Office
Mr. M. Lyons
B.E., M.Sc., C. Eng., M.I.E.I.

**Project : WORK COMPLETED TODATE ALONG
THE R314, R313, L-1204 & L-12044**

Location :	ERRIS, CO. MAYO	Scale :	
Date :	February 2005	Based on OS Maps	
Designed :	C.S.	11, 18, 26	
Surveyed :	S.V.	Scaled to 1:40,000	
Drawing No :	4050/05/01	Drawn :	C.S.
		Checked :	P.M.



Bellanaboy Bridge Site

Report to the Project Monitoring Committee

09th February 2005

WORK CARRIED OUT PREVIOUS MONTH

- R314 realignment works.
- Scrub/tree clearance on the terminal footprint.
- Tree protection fencing.
- Offices and cabins constructed.
- Installation of geotechnical monitoring equipment.
- Preparation of piling platform.
- Piling along main NS access road
- Installation of environmental monitoring equipment

2 MONTH LOOK AHEAD

- Construction of NS main access road.
- Construction of settlement ponds.
- Construction of temporary construction facility.
- Construction of carrier drain.
- Perimeter sheet piling.
- EW access road.
- Administration area.
- Peat haulage currently planned to commence late April.

ENVIRONMENTAL REPORT

Dust - Dust monitoring equipment was erected on site on the 31st January. Dust monitoring equipment is due for sampling on 02nd March and results will be available for the March meeting of the PMC.

Fuel - Approximately 20,000 litres of fuel (figure to be confirmed with supplier) have been delivered to site during this period

Noise - Noise monitoring is currently underway on site. Due to the inclement weather over the last month continuous noise monitoring was not possible. Preliminary spot noise monitoring records are in the region of 45dBA to 50dBA. These measurements were taken in the vicinity of the settlement ponds and are averaged over measurement periods of varying durations.

Traffic - There were approximately 1450 traffic movements over the last reporting period. This equates to approximately 90 No. HGV traffic movements per day. Traffic into site was limited to 4 movements per hour.

Waste - There was 28m³ of non-hazardous waste generated on site. No hazardous waste has been generated to date. Approx 100 m³ of liquid waste from portable toilets was removed off-site during the last 4 weeks.

Water quality - Groundwater and surface water quality monitoring commenced in January.

A summary of main surface water parameters measured (range of lowest to highest):

pH

5.27 - 6.57

Temperature (°C)

4.6 - 10.2

Suspended solids (mg/l)

No measurements

Phosphate (µg/l P)

<10 - 40

Conductivity (mS/cm)

219 - 284

Dissolved Oxygen (% Sat O₂)

No measurements.

Turbidity (mg/l)

<0.017 (on all sampling occasions)

Nitrate (mg/l NO₃)

0.93- 44.33

A summary of the main groundwater parameters measured (range of lowest to highest):

pH

5.62 - 6.31

Temperature (°C)

6.3 - 11.5

Conductivity (mS/cm)

261 - 523

Dissolved Oxygen (% Sat O₂)

No measurements

Total Dissolved Solids

250 - 485

with dedicated portable fuel bowsers.

Complaints – There were no written complaints logged in the last reporting period.

Incidents – There were 4 environmental incidents in the last month. Details of the incidents recorded are:

- Incident - A chemical toilet was knocked over during high winds. The toilets were righted and secured with anchors. The spill was absorbed and the waste material was removed off site by a specialised contractor.
- Incident - A chemical toilet was dropped when being lifted for relocation. The spill was absorbed and the waste material was removed off site for disposal. The toilets were relocated and anchored.
- Incident – A generator leaking fuel in to its drip tray. The faulty generator was decommissioned and replaced and the contaminated rainwater that was in the tray was pumped out for removal off site. The drip trays under all generators have now been skirted in order to prevent any rainwater from settling in the trays.
- Incident – the nozzles on the portable fuel tanks used to refuel onsite plant were dripping after use. The nozzles were tightly secured and wiped down. The tanks have now been replaced

SRAHMORE SITE
Report to Project Monitoring Committee
WEEK No. 8

From: 13th December 2004

To: 9th February 2005

1. KEY HIGHLIGHTS

The following construction operations are **ongoing**:

- Drainage & Haul Road Construction.
- Reception area & Access Road
- Transportation and procurement of plant, site services and equipment.
- Environmental Controls.

The following construction operations were **completed**:

- Link drain excavation.
- Area 5 Silt ponds.
- Flow Controls
- Area 6 Silt ponds.

2. PROJECT PROGRESS

Project approximately one week behind schedule due in most to inclement weather conditions. Approximately 400mm of rain on-site since work commenced. For project schedule see separate handout.

Srahmore Peat Repository
WL 199-1

Environmental Management System Up-Date No. 1 (08/02/05)

- All silt Ponds are now in-place i.e. Ponds SP1, SP2 & SP3 treating Area 5 and SP4 & 5 from Area 6. Adjustable weirs have been installed on the inlet and out of the ponds from Area 5 and will be installed in Area 6 ponds early this week. Weekly inspections have commenced on all ponds and are being recorded.
- The flow-proportional composite sampler, on-line temperature & conductivity and the weir have been installed at location 7, and are currently being calibrated. Automatic sampling has commenced, and the first samples were collected Monday last
- Complete Laboratory Services have been engaged to carry out all analysis as specified in the Waste Licence. Samples will be collected each Monday morning at the site office.
- The windsock has been installed in a prominent location at the site entrance.
- The site notice, as specified in the Waste Licence has been installed at the site entrance, and an emergency contact number will be posted on Monday 7th next.
- All procedures, records, inspections etc, associated with the environmental management system are in-place and are available at the site office.
- The entrance road to the site has been cleaned, with loose dirt and gravel bladed off. Fresh stone has been applied to the depressions and the entrance.
- All operators on-site have received training/induction on the operation of the Environmental Management System and controls.
- Development of the controlled overflow area (area 7) is in progress.
- Rehabilitation Plan has been submitted to the EPA.

Corrib Project Update

Construction is continuing at the Bellanaboy Bridge Terminal site. Cabins have been erected on site for project personnel and the road widening and upgrade at the entrance to the site continues. Piling activities will commence on site in February and this may give rise to an increase in noise levels on the site during working hours, however, as this activity will be taking place within the site, these noise levels will be considerably reduced around the site boundary and surrounding area.

The schedule of traffic movements for February and March are reproduced here.

INSERT HAUL ROUTES MAP AGAIN

Outline schedule of haulage traffic for February and March 2005.

Routes	Category of material	Projected average number of truck movements per day	
		Feb 05	Mar 05
N59 to R313 to L1204 to R314	Construction equipment, concrete and miscellaneous materials	50	40
R313 to L1204 to R314	Rock to terminal site	70	35
N59 to R313 to L1204 to R314	Tarmac to R314 upgrade	2	