



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

OH Doc No. 14

Recd From: Cieran Irwin

Date Recd: 19/4/07

Environmental Health Service
Primary, Community & Continuing Care
HSE West
St. Mary's Headquarters
Castlebar
Co. Mayo

(094) 9042260 / 9042105
(094) 9027312

12th March 2007,

Mr. Paddy Mahon
Senior Executive Engineer,
Mayo County Council,
Belmullet,
Co. Mayo.

Re: Aluminium – Erris Regional Water Supply

Dear Mr. Mahon,

I refer to the attached results for the above from 27/02/06 to 19/02/07. I wish to draw your attention to the result of 1714 ppm taken on the 23/01/07. In view of the results prior to and subsequent to the result of 23/01/07. It must be concluded that some incident occurred. This could be due to one of the following:

- a. A plant malfunction with overdosage of alum.
- b. A sudden surge or rapid draw off.
- c. Agitation of sludge in a storage reservoir due to surges.

It is clear that the event was very short lived and fairly isolated as evidenced by the results of samples taken at other points on the scheme on the same day.

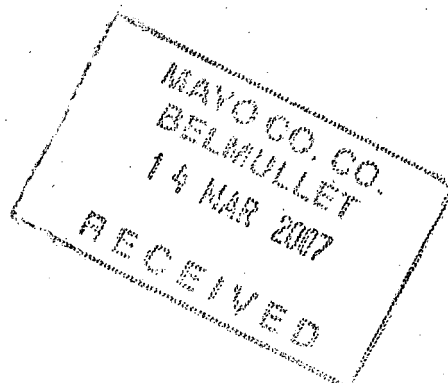
The question of alerts can only be taken into account on consideration of all factors. Accordingly the occurrence would not be considered to warrant an alert response.

Should you have any queries please do not hesitate to contact me on (094) 9042259.

Yours sincerely,

Noel Mahon,
Senior Environmental Health Officer

NMBF





COMHAIRLE CONTAE MHAIGH ÉO

Áras an Chontae
Caislean a'Bharraigh
Contae Mhaigh Éo

Teileafón (094) 9024444
Fax (094) 9027365
E-Mail: manager@mayococo.ie
www.mayococo.ie

OIFIG AN BHAINISTEORA CHONTAE

Your Ref.

Our Ref.

MR. CLEMENT IRWIN,
TALLAGH,
BELMULLET,
CO. MAYO.

28th March, 2007

Dear Mr Sweeney

I refer to your letter dated 17th March 2007 which outlines your concerns about the location of the Gas Processing Terminal at Bellanaboy and the runoff of surface water from the site.

Mayo County Council has monitored the runoff from the Bellanaboy site since construction work commenced in 2005. Most of the surface water from the site flows into a stream which flows into the Bellanaboy River which in turn flows into Carramore Lake. Mayo County Council also monitors the quality of these waters regularly. The results of the monitoring programme are available for public inspection at the Belmullet office of Mayo County Council or on our website (www.mayococo.ie).

In their Environmental Monitoring Programme (EMP) for the project, Shell E & P Ireland have committed to a series of action limits and target limits for surface water runoff for the site. Since work resumed on site last October there have been a number of exceedances for some of the parameters outlined in the EMP. Exceedances in Suspended Solids, Turbidity and Aluminium have occurred on a number of occasions. Mayo County Council has requested the developer to take necessary steps to deal with these exceedances and the situation is being monitored continually by the Council.

Mayo County Council's monitoring of the Bellanaboy River, which receives the surface water runoff from the Bellanaboy site, has shown that the runoff has had no significant impact on the Bellanaboy River or Carrowmore Lake.

Mayo County Council takes water from Carramore Lake and treats it to drinking water standards before distributing it throughout the Erris Region. The plant has the ability to remove colour, turbidity, coliforms, etc.

Mayo County Council, Áras an Chontae, Castlebar, Co. Mayo. Telephone: +(353)-94-9024444

COUNTY MANAGER'S OFFICE

The quality of the treated drinking water is monitored daily by Mayo County Council and fortnightly by the Health Services Executive (HSE). Results of this analysis are also available for public inspection at the Belmullet office of Mayo County Council or on our website (www.mayococo.ie).

The treatment process involves the addition of Aluminium Sulphate to the raw water as well as other chemicals such as Soda Ash, Chlorine and Fluoride. With regard to Aluminium in the treated drinking water the plant has an impressive record in complying with the maximum level of 200 microgrammes per litre which is stipulated in the Drinking Water Regulations. Exceedances of this level were recorded by the HSE on January 23rd of this year. Copies of these results as well as a letter from the HSE concerning these results are attached.

Mayo County Council is satisfied that the exceedances were related to a short lived incident relating to a plant malfunction on the day and/or a rapid draw off of treated drinking water in the distribution pipes. There is no link between natural aluminium levels in Carramore Lake and the treated drinking water.

I trust that this clarifies the situation as outlined in your letter of 17th March last.

Yours sincerely,



D. Mahon,

COUNTY MANAGER.

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OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

Dr. A. Bruzzi, A/PUBLIC ANALYST
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University College Hospital,
Seamus Quirke Road,
Galway, Ireland

Date Printed: 19/02/2007

Seirbhís na Scríbhíse Sláinte
Health Service Executive

Ref Number: W307-2007

DRINKING WATER REGULATIONS S.I. No. 439 OF 2000:- CHECK MONITORING (Chemical Analysis)

Name of Supply: Erris R.W.S.

Sanitary Authority Mayo County Council

Sampling Point Bay Bistro Pub 1007 1009

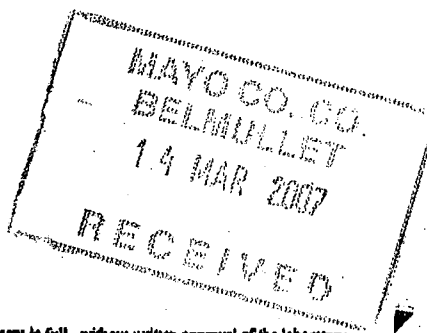
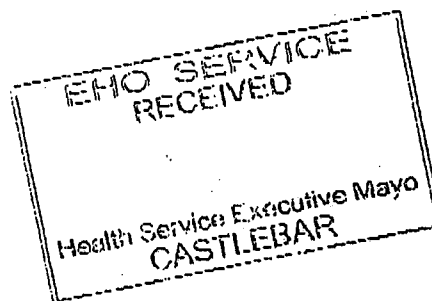
Requested by: Ms Noella Gilboy E.H.O.

Date & Time Sampled

Date Received: 24-January-2007

REPORT TO: Mr. Cathal Kearney P.E.H.O.
Mayo Environmental Health Department
Community Services, 3rd Floor
St. Mary's Hospital
Castlebar
Co. Mayo

Test No.	Parameter	Parametric Value	Method No.	Units	Result	Date Tested
38	*Odour	Acceptable to	2/3		None detected	26/01/2007
33	Colour Pt-Co	consumers and no	2/6	mg/L	<2.0	
46	Turbidity	abnormal change.	2/7	NTU	0.4	
35	Hydrogen Ion	6.5 - 9.5	2/9	pH Units	7.3	
34	Conductivity @ 20°C	2500	2/8	µS/cm	214	
29	*Aluminium as Al	200	2/46	µg/L	406	
20	*Nitrate as NO ₃	50.0	2/37	mg/L	<2.0	
21	*Nitrite as NO ₂	0.50	2/37	mg/L	<0.02	
30	*Ammonium as NH ₄	0.30	2/37	mg/L	<0.03	
36	Iron as Fe	200	2/4	µg/L	<50	
37	Manganese as Mn	50	2/5	µg/L	<20	



Dr. Catharine Coyle
Executive Analytical Chemist

Report Status

* Denotes a non-accredited Test.

Note 1: This report shall not be reproduced except in full, without written approval of the laboratory.

Note 2: This test report relates only to the sample tested.

Note 3: Any opinions and/or interpretations expressed above are outside the scope of accreditation.



OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

Seannacht na Seirbhíse Sláinte
Health Service Executive

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Public Analyst's Laboratory,
University College Hospital,
Seamus Quirke Road,
Galway, Ireland

Date Printed: 22/02/2007

Lab Ref Number: W309-2007

DRINKING WATER REGULATIONS S.I. No. 439 OF 2000:- CHECK MONITORING (Chemical Analysis)

Name of Supply: Erris R.W.S.

Sanitary Authority

Sampling Point: Healy's Pub 1007

Requested by: Ms Noella Gilboy F.H.O.

Date & Time Sampled: 23/01/2007 00:00:00

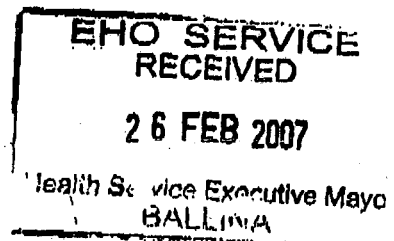
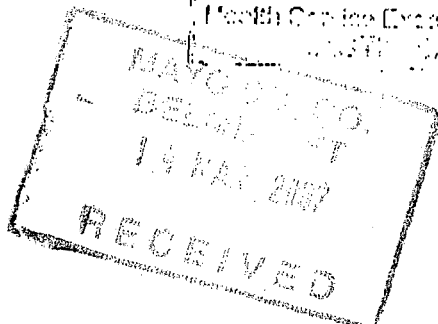
Date Received: 24-January-2007

REPORT TO: Mr. Cathal Kearney P.E.H.O.
Mayo Environmental Health Department
Community Services, 3rd Floor
St. Mary's Hospital
Castlebar
Co. Mayo

Test No.	Parameter	Parametric Value	Method No.	Units	Result
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29	Aluminium (mg/L)	0.00	2/46	mg/L	1710
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Mr. Rory Mannion
Executive Analytical Chemist