

Grainne Oglesby

From: Anne Pearson
Sent: 05 January 2011 15:12
To: Grainne Oglesby
Subject: FW: Castleblaney 2007 and 2009 effluent monitoring results

From: Johnston, Mark [mailto:mjohnston@monaghancoco.ie]
Sent: 11 November 2010 11:23
To: Anne Pearson
Subject: FW: Castleblaney 2007 and 2009 effluent monitoring results

Anne,
To clarify one point, ammonia results are NH3. Does this engender further questions or does that answer all?

Mark Johnston
SENIOR EXECUTIVE ENGINEER,
Water Services,
Monaghan County Council

From: Lambe, Matthew
Sent: 11 November 2010 10:51
To: Johnston, Mark
Subject: RE: Castleblaney 2007 and 2009 effluent monitoring results

Ammonia results are NH3

From: Johnston, Mark
Sent: 11 November 2010 10:15
To: Lambe, Matthew
Subject: FW: Castleblaney 2007 and 2009 effluent monitoring results

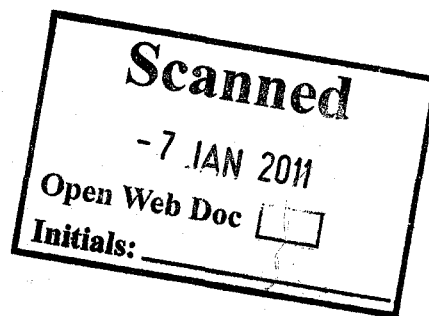
Matthew
Can you throw any light on this issue?

Mark Johnston
SENIOR EXECUTIVE ENGINEER,
Water Services,
Monaghan County Council

From: Anne Pearson [mailto:a.pearson@epa.ie]
Sent: 04 November 2010 12:03
To: Johnston, Mark
Subject: Castleblaney 2007 and 2009 effluent monitoring results

Dear Mark,
It was nice to meet you on Tuesday and put a face to the phone calls and emails.
Can you just clarify the ammonia and total nitrogen discharge effluent monitoring results submitted for 2007 and 2009 for Castleblaney WWTP. It appears that all the 2007 results for ammonia except one are greater than those for total nitrogen. Similarly for the 2009 results, many of the ammonia results are greater than the total nitrogen results. Can you also clarify if the 2009 ammonia results are as N or NH3.
Thanks very much. Kind Regards,
Anne

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EPA Climate Change on Twitter:

<http://twitter.com/EPAClimateNews>

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<http://twitter.com/EPAResearchNews>

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Grainne Oglesby

From: Anne Pearson
Sent: 05 January 2011 15:12
To: Grainne Oglesby
Subject: FW: castleblayne stw

From: Johnston, Mark [mailto:mjohnston@monaghancoco.ie]
Sent: 19 October 2010 17:56
To: Anne Pearson
Subject: castleblayne stw

Anne,

Further to your phone call earlier regarding CBY.

As you note in section 1.3, on p11 of 37 of the NTS, 35l/s flows thru the system to be treated without restriction. This equates up to 3 DWF.

The flow and load survey undertaken 12-18th Jan 2007 render an average PE=5692. (see P22 of 37).

If the average flow per person =175litres per person per day, then it follows $175 \times 5692 = 11.5L/s$, which times 3 dwf=35L/s or 6dwf would be 70L/s.

I consider these figures conservative as Jan unlikely to have 5 days of DWF, so possibly 4dwf would go through under the 35L/s figure.

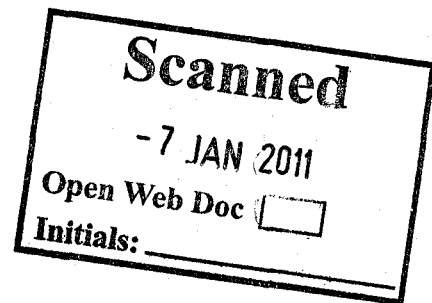
On page 12 of 37, it is noted flows between 35 and 70L/s go to storm O/f tank where they are stored until returned back via pumps at low flow period.

I trust this answers your question but if you have anything else please contact me.

Yours,

Mark

Mark Johnston CEng, MICE, CEnv. C.WEM, MCIWEM, MCIQB
 SENIOR EXECUTIVE ENGINEER,
 Water Services,
 Monaghan County Council
 047 30513



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