

**Sonja Smith**

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**From:** Ann Marie Donlon  
**Sent:** 03 March 2010 12:14  
**To:** Sonja Smith  
**Subject:** FW: Env. Licensing programme Midleton WWTP D0056-01 (1)  
**Attachments:** 091026 EPA WWDL.doc; Image0001.JPG; Image0002.JPG

**From:** David Hugh-Jones [mailto:david@oysters.co.uk]  
**Sent:** 27 October 2009 10:00  
**To:** Sonja Smith; Ann Marie Donlon  
**Cc:** tristan@oysters.co.uk  
**Subject:** Env. Licensing programme Midleton WWTP D0056-01 (1)

Dear Sonja,

I am hoping that you are still dealing with submissions re WWD Licensing. I would like to comment on the last two letters posted by you on the Midleton WWTP site and attach a letter and the start of copies of references, which I will send on further e-mails as they are 2MB each. I do hope that actually this will save you some scanning, but I apologise for the hassle, but we have the threat of a postal strike in the UK.

I am copying this to Ann Marie Donlon also.

With many thanks.

David Hugh-Jones

Atlantic Shellfish Ltd.  
c/o The Thatched Cottage  
Penberth  
St. Buryan  
Penzance  
Cornwall TR19 6HJ  
Tel. +44 1736 810659

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COPY FOR MR Hugh-Jones  
26/07/04



FOOD  
STANDARDS  
AGENCY  
SCOTLAND  
Buidheann  
Inbhe-Bidhe  
an Alba

Mr John Gorman  
Senior EPO  
SEPA  
Newton Stewart Office  
Penkiln Bridge Court  
Minnigaff  
Newton Stewart  
DG8 6AA

Our ref: 92/03/02

24th June 2004

Dear Mr Gorman,

**Proposed new Stranraer wastewater treatment works affecting Loch Ryan  
The Food Safety (Fishery Products and Live Shellfish) (Hygiene) Regulations 1998**

I write in relation to the above proposal about which you have sought our comments. The Food Standards Agency Scotland is the Central Competent Authority under Directive 91/492 and The Food Safety (Fishery Products and Live Shellfish) (Hygiene) Regulations 1998. The Agency is responsible under these Regulations for classifying shellfish harvesting production areas according to the degree of e.coli found within the shellfish flesh.

The area of Loch Ryan is a classified shellfish harvesting area for Native Oysters and has been a classified area for many years.

FSAS cannot speculate as to the impact this waste water treatment works may have on the area. However, filter feeding bivalve molluscan shellfish can accumulate human pathogenic micro organisms and may present a risk to health when consumed raw or lightly cooked. Such pathogens may be naturally occurring marine micro organisms or microbiological contaminants introduced via sources of pollution. It is also known from research in this area that the standard commercial depuration cycle which is applied to shellfish reduces bacterial load very effectively but demonstrates poor removal of viruses. It is also most likely that the shellfish harvested from the classified area i.e Oysters will be consumed raw or lightly cooked.

My opinion therefore is that any additional risk generated by this treatment works be quantified and ideally eliminated. Any managed risk level must be determined to be entirely effective at all times. This could be important to protect the public health interest and the current status of Loch Ryan which is currently classified as an 'A' January to April and a 'B' May to December.

I enclose a history of e.coli results from the Loch Ryan area for your interest and would be happy to provide you with any other information which may assist you in dealing with this application

Yours sincerely

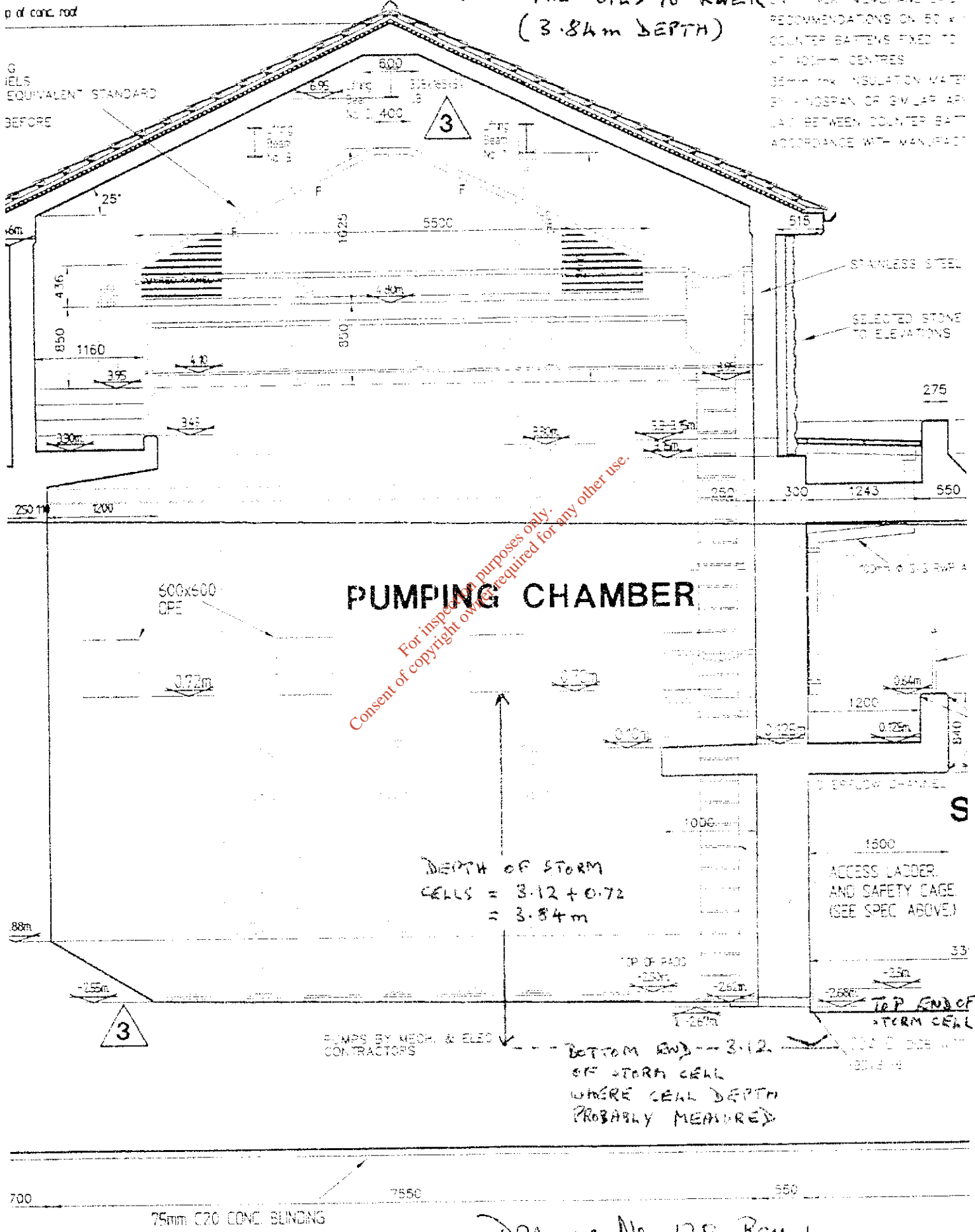


**Lorna Murray**  
**Senior Executive Officer**  
**Food Law Enforcement Branch**

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BALHICK 1 PUMPING CHAMBER SHOWING AT WHAT DEPTH IN THE STORM CELLS EFFLUENT WILL REACH THE INVERT LEVEL OF THE OPES TO RIVER (3.84m DEPTH)

(2)  
 RECOMMENDATIONS ON BRICK  
 COUNTER BATTENS FIXED TO  
 AT 400mm CENTRES  
 BETWEEN INSULATION WATER  
 BY SPAN OF SIMILAR  
 BETWEEN COUNTER BATT  
 ACCORDANCE WITH MANUFACT

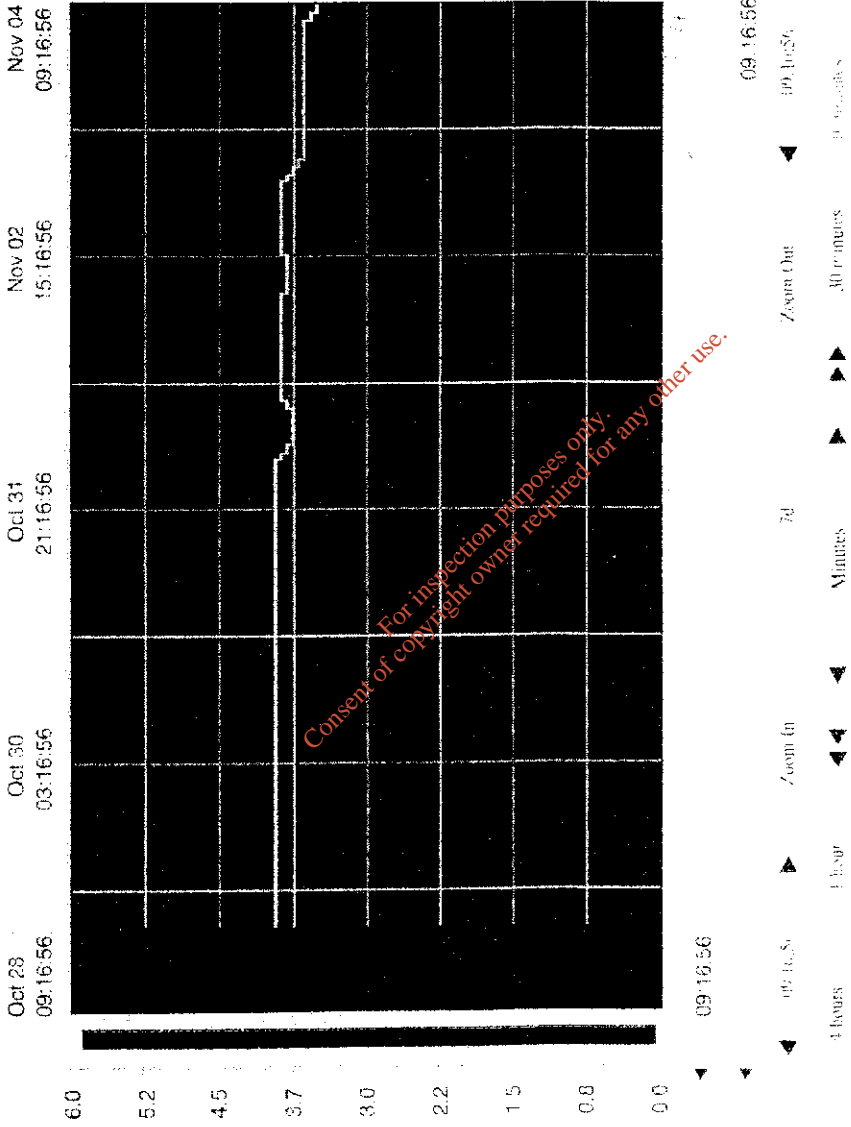


DRAWING No. 128 REV. 4

(3)(a)

(3)

### Baillick 1 Storm Level 3



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09:16:56 09:16:56  
4 hours 1 hour 7d 30 minutes 60 seconds  
Zoom In Zoom Out  
Print

Print

BTSS/31  
Unavail 3.5

(3)(2)

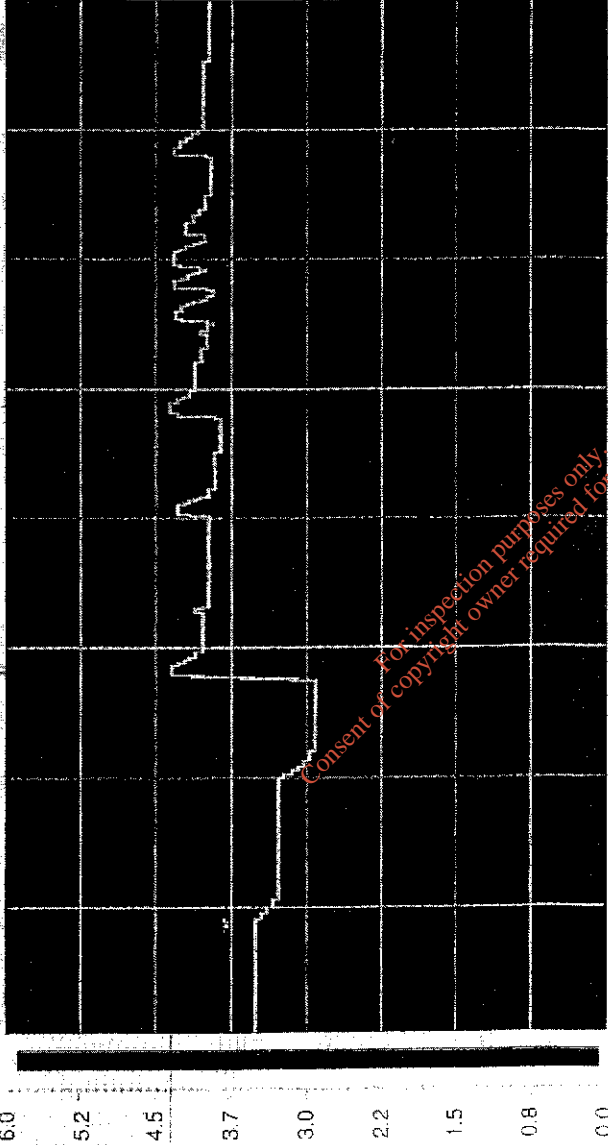
(3.2)

Rein  
11/4/06

Nov 8  
15:00

Baillick 1 Storm Level 3

Nov 04 09:16:56    Nov 06 03:16:56    Nov 07 21:16:56    Nov 09 15:16:56    Nov 11 09:16:56



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Print

4 hours    1 hour    30 minutes    15 minutes    5 minutes    1 minute    30 seconds

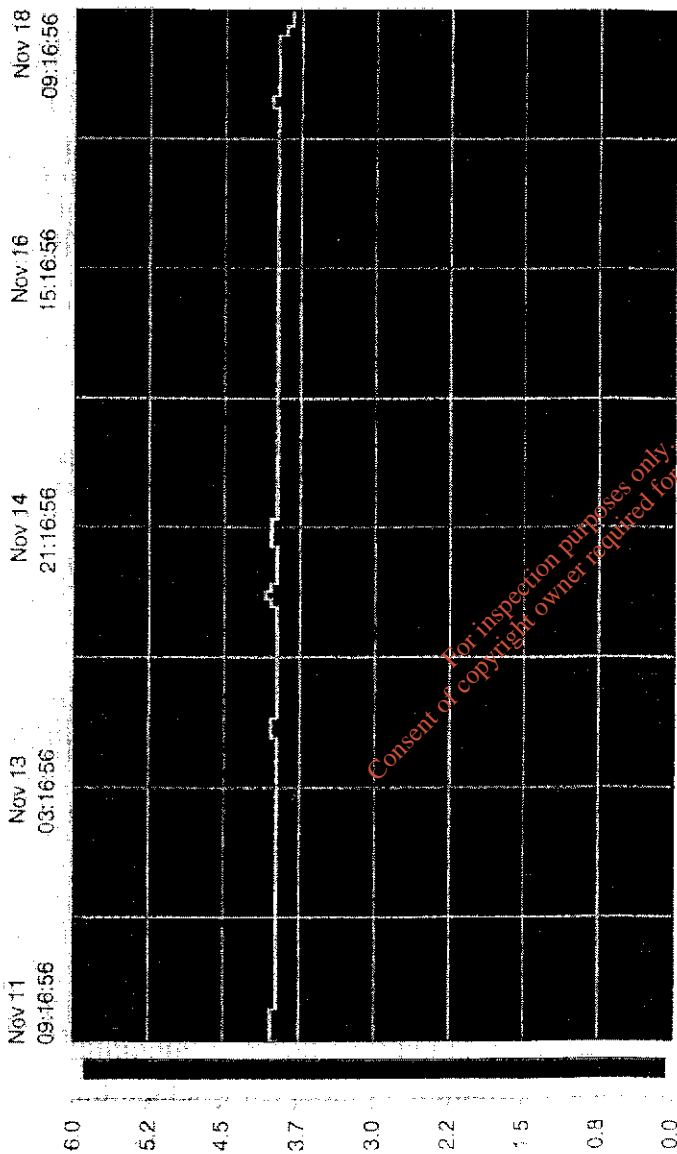
B1SSL3L

3.5    4.0

(3)(3)

(3.3)

### Baillick 1 Storm Level 3



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4 hours    1 hour    Zoom In    7d    Minutes    30 minutes    30 minutes    30 minutes

▼ 09:16:56    ▲ 09:16:56    ▼ 09:16:56    ▲ 09:16:56

Print

B1SS13L 4.0 38

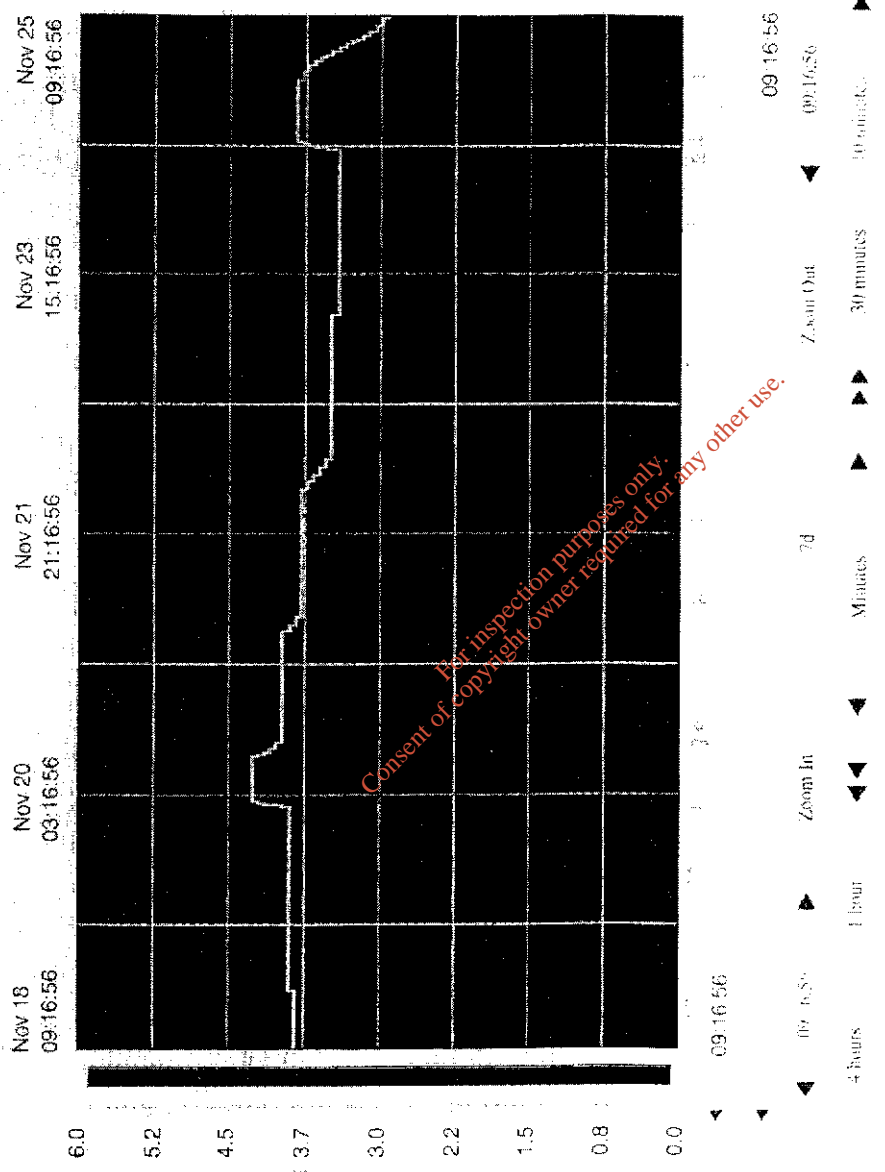
(3)(4)

(3.4)

4.5m  
0.1m  
6.2m

Open rain stream

### Bailick 1 Storm Level 3



Level high to point  
... ..

Print

BTSSU3L 3.8 2.9



(4)

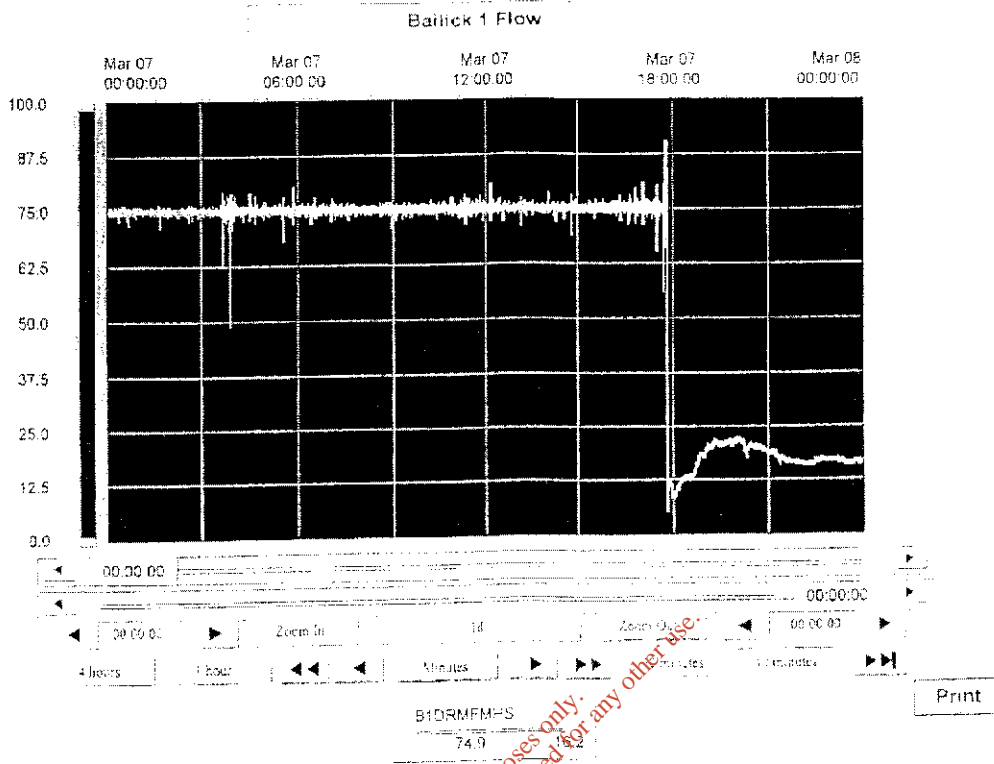
Storm overflows pumped to river from Bailieich 1 - November 2006.

Date	Volume received to Bailieich 1		Volume pumped to treatment plant		Storm discharge		Storm pump		Storm pump		Storm pump		Pump No. 2	Pump No. 2	Pump No. 2	Pump No. 2	Pump No. 2	Pump No. 2	Pump No. 2
	Vol. m <sup>3</sup>	Vol. m <sup>3</sup>	Vol. m <sup>3</sup>	Vol. m <sup>3</sup>	Vol. m <sup>3</sup>	Vol. m <sup>3</sup>	Vol. m <sup>3</sup>	Vol. m <sup>3</sup>	Vol. m <sup>3</sup>	Vol. m <sup>3</sup>	Vol. m <sup>3</sup>	Vol. m <sup>3</sup>							
01 Nov 06	290.00	0	6643.16	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02 Nov 06	278.00	0	6631.60	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03 Nov 06	318.00	0	6631.60	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04 Nov 06	1328.00	0	5792.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05 Nov 06	1248.00	0	7176.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06 Nov 06	628.00	0	7343.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07 Nov 06	668.00	0	7835.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08 Nov 06	668.00	0	8455.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09 Nov 06	668.00	0	8555.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Nov 06	670.00	0	8679.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Nov 06	670.00	0	8836.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 Nov 06	670.00	0	8999.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Nov 06	670.00	0	9167.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 Nov 06	670.00	0	9342.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15 Nov 06	670.00	0	9524.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 Nov 06	670.00	0	9713.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17 Nov 06	670.00	0	9909.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18 Nov 06	670.00	0	10112.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19 Nov 06	670.00	0	10222.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20 Nov 06	670.00	0	10338.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21 Nov 06	670.00	0	10460.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22 Nov 06	670.00	0	10588.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Nov 06	670.00	0	10722.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 Nov 06	670.00	0	10862.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Nov 06	670.00	0	11008.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26 Nov 06	670.00	0	11160.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27 Nov 06	670.00	0	11318.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Nov 06	670.00	0	11482.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29 Nov 06	670.00	0	11652.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30 Nov 06	670.00	0	11828.00	0	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Totals	51420.00	0.00	404018.00	0.00	25489.70	0.00	0.00	9.87	9.82	9.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Consent for Pumping Wastewater Pumped for any other use.

Investigation re March 7<sup>th</sup>/8<sup>th</sup> B.1 pump stoppage (S.1)  
2009

(1/7/09 JH)



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16 hours with very reduced flow

from 75 l/s to 16 l/s = drop of 59 l/s

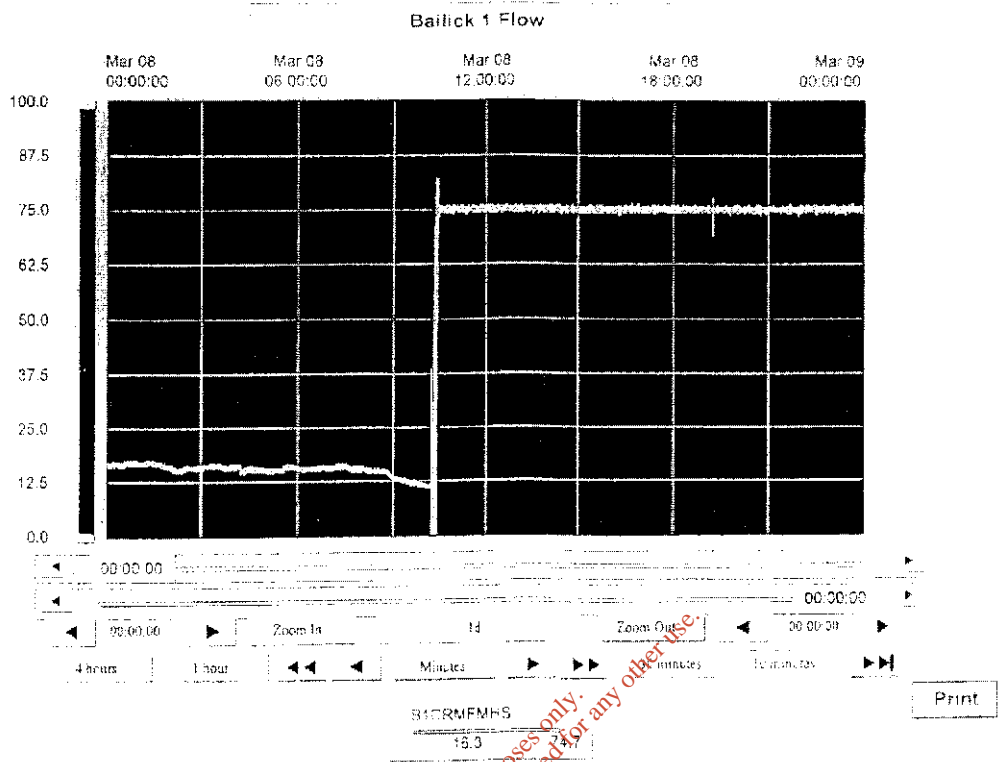
$$\frac{59 \times 3600}{1000} \text{ m}^3/\text{h} = 212 \text{ m}^3/\text{h}$$

$$\text{for 16 hours} = 16 \times 212 = 3,400 \text{ m}^3$$

Storm overflows recorded on 8<sup>th</sup>/9<sup>th</sup> were  $1,148 + 356 \text{ m}^3$   
=  $1,504 \text{ m}^3$

Therefore amount overflowing by gully =  $3400 - 1504$   
=  $1896 \text{ m}^3$

(5.2)



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(5.3)

(This is the third, final, cell) time

Depth

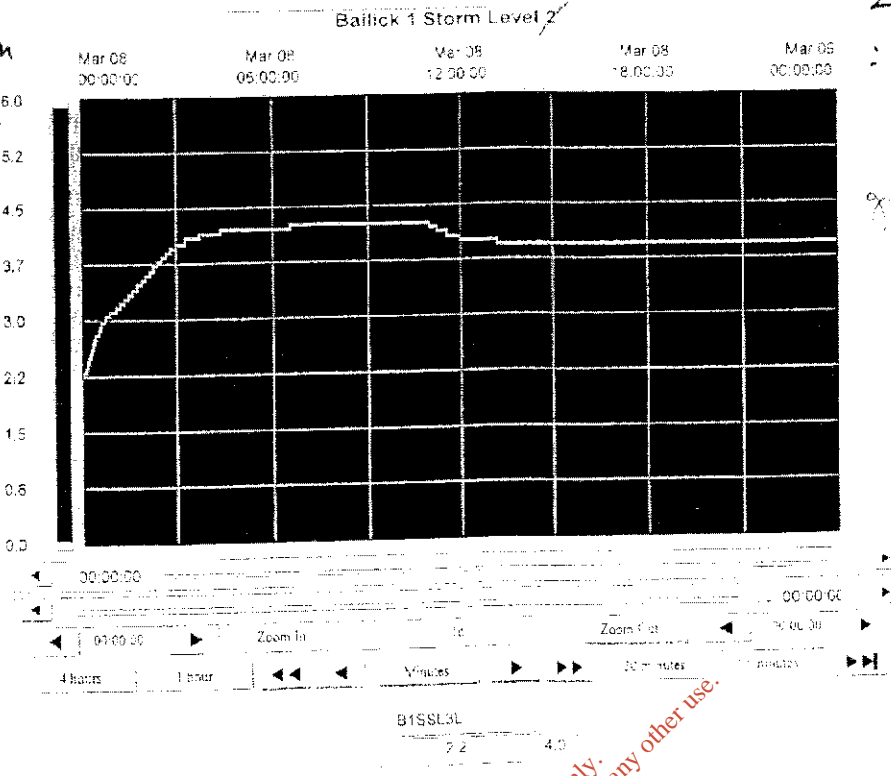
7.5mm  $\equiv$  0.8m

$\therefore$  1mm = 0.107m

24hrs = 104 mm

$\therefore$  1mm = 0.23hrs

4.29



gravity? minutes

Highest depth

3.7m + (5.5mm x 0.107) = 4.29m for 4.6 hrs

Height above ope invert = 4.29 - 3.84 = 0.45 (1ft)

From Tide flex graphs, flow = 79m<sup>3</sup>/hr

Next depth

3.7 + (4.5mm x 0.107) = 4.18m for 2.8 hrs

Height above ope invert = 4.18 - 3.84 = 0.34 (1ft)

From Tide flex graph, flow = 43m<sup>3</sup>/hr.

Gravity overflow

at ~~4.29~~ depth  
at 4.18 m depth

79m<sup>3</sup> x 4 ope x 4.6 hrs = 1454

43m<sup>3</sup> x 4 ope x 2.8 hrs = 482  
1936 m

Difference with calculation from storm overflow & drop in flow = 40m<sup>3</sup>,  
or 20% error



## Sonja Smith

---

**From:** David Hugh-Jones [david@oysters.co.uk]  
**Sent:** 27 October 2009 10:11  
**To:** Sonja Smith; Ann Marie Donlon  
**Subject:** re WWDL Midleton D0056-01 (8)  
**Attachments:** Image0013.JPG; Image0014.JPG; Image0015.JPG; Image0016.JPG

That's it.

I would be very grateful if you could confirm safe arrival and if you need a hard copy posted to you.

Best wishes,

David.

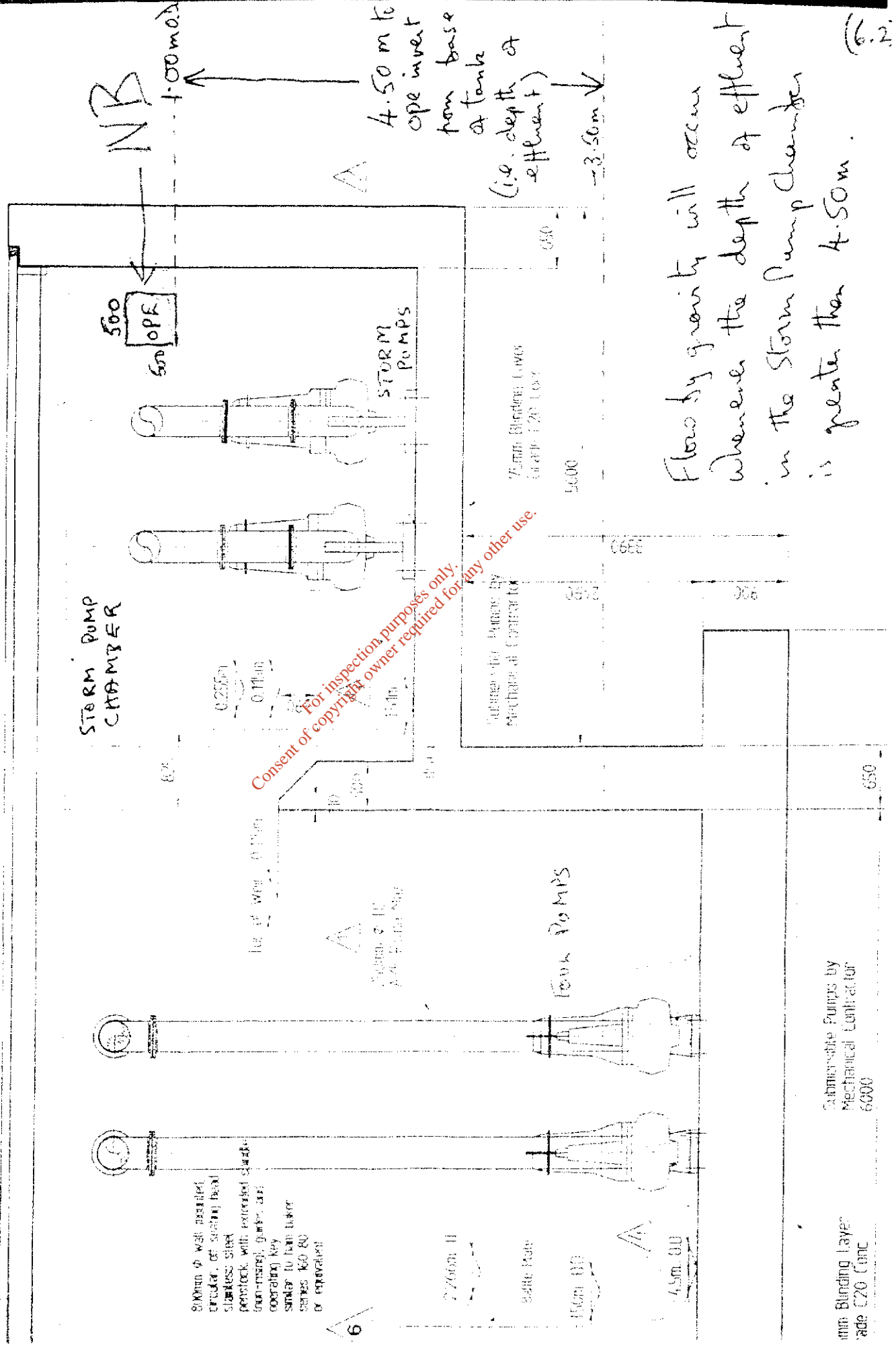
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**BAILICK 2 SUBMERGIBLE PUMPING STATION TO SHOW LEVEL OF GRAVITY OVERFLOW OPE**  
(6.2)



Flow by gravity will occur whenever the depth of effluent in the Storm Pump Chamber is greater than 4.50m. (6.2)

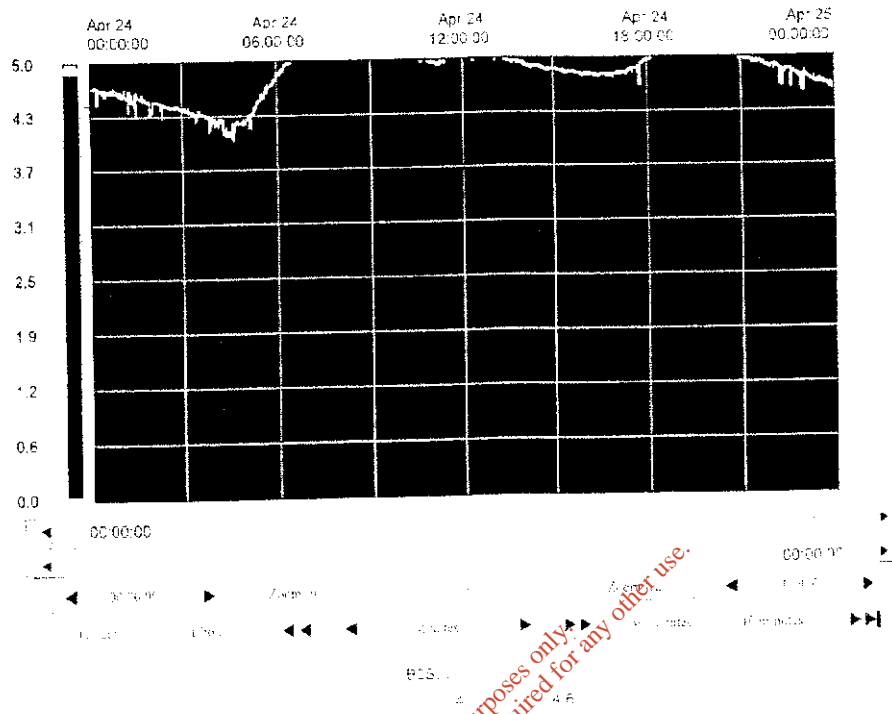
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43m<sup>3</sup> overflows recorded by the storm pumps

(7)

2009

Bailick 2 Storm Pump Chamber Level 1





Comhairle Contae Chorcaí  
Cork County Council

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Cork, Ireland.  
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Suíomh Gréasáin: [www.corkcoco.ie](http://www.corkcoco.ie)



(8)

Mr. David Hugh-Jones,  
Atlantic Shellfish Ltd.,  
Rossmore,  
Carrigtwohill,  
Co. Cork.

10<sup>th</sup> March 2008

**Our Ref: 08/0017/FOI**  
**Your Ref: Midleton Sewerage Scheme**

Dear Mr. Hugh Jones,

I refer to the request that you made under the *Freedom of Information Act 1997 and the Freedom of Information (Amendment) Act 2003* for access to records held by Cork County Council.

I made a final decision on your request on 10<sup>th</sup> March 2008. I am the person handling your request, should you have any queries regarding this FOI request, please put them in writing to me. I will seek to answer any questions you may have.

In response to your request, I have decided to grant those items for which I have records. There are other items for which no records exist or for which records cannot be released. This letter details a breakdown of my decision and contains the following:-

- A schedule of all of the records covered by your request;
- Concerning records to which access is granted, a statement of the arrangements for this access, its form and the fee required to be paid;
- Concerning records to which access is denied, the giving of the relevant findings, particulars and reasons for these decisions; and
- A statement of how you can appeal this decision should you wish to do so.



(8.2)

Committee on the Environment  
2013

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Cork, Ireland.  
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Suíomh Greasáin: www.corkcoco.ie



**1. Schedule of records**

The schedule is attached at the end of this letter. It describes each document, and indicates whether the document is released in full ('R') or not released ('NR') etc.

**2. Arrangements for access/fee to be paid/form of access**

You have sought access to the records by means of photocopies, and I have found that this is an appropriate form of access in this case.

The records described as 'R' (released in full) are available for you to review subject to the following condition:

that you pay a fee in the amount of €5.98 which amount is calculated on this basis - 0.04c for each page of photocopying & 10.16 per CD  
You have submitted a blank cheque to cover this fee. This amount will be entered on the cheque and the money will be lodged.

Should you not agree that the above fee is appropriate, you may make an appeal on this point as noted below under heading 4. A copy of section 47 of the FOI Act is enclosed for your reference. This is the section of the Act, which details its fee requirements.

**3. Findings, particulars and reasons for decisions to deny access**

**Item 10** - As already stated in the reply to your last FOI request, the agreement for running Middleton WWTP forms part of the East Cork Operate Contract. You have inspected these documents twice now and requested information subsequent to this which was released to you.

**Waste Water Discharge Licence Application**

**Item 11** - The statement regarding loss of nitrates and phosphorus from farm land has been taken from the EPA's report on water Quality in Ireland 2001-2005. However the reference in the report is more general than specific to the Owenacarra Estuary and the section in the application will be revised to reflect this.

