

Faye Tomalin

From: Harvey, Steve <steve.harvey@tatasteelurope.com>
Sent: 14 January 2022 15:16
To: Faye Tomalin; Alister Trendell
Subject: FW: Port Talbot abstraction and usage
Attachments: Outfalls and Entries.pdf; 7178.00.00.13.001 effluent system.pdf; 0000.00.00.34.001 Effluent Drains Updated.pdf; 0000.00.10.11.006 Industrial Water Supplies.pdf; 0000.00.10.11.011 Works drains.pdf; 0000.00.10.11.606 Industrial Water.pdf; 7174.47.00.12.005 Arnallt and LSO.pdf

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Good afternoon both,
As promised, please find below and attached summary information that I put together regarding abstraction, sources, usage and outfalls.

Faye,
Please note that you will also need safety specs for our visit next Friday.
Could you also confirm the reg number of your car and if you could let me have your mobile number that would be great.

Please give me a call if you need any more information.

Have a good weekend both.

Kind regards,

Steve

Steve Harvey
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From: Harvey, Steve
Sent: 03 November 2021 16:42
To: Young, Natalie <natalie.young@tatasteelurope.com>
Cc: Naylor, Robert <Robert.Naylor@tatasteelurope.com>; Haines, Neil <neil.haines@tatasteelurope.com>; Khan, Saran <Saran.Khan@tatasteelurope.com>
Subject: RE: Port Talbot abstraction and usage

Hi Natalie,
I've had a good dig around this one and found out the following.....
Note that I've attached the various plans referenced below and also a Google map to show the items discussed.

Internal (Tata) Ownership:

- **Civils** (Engineering) own the various works sewers and these feed into the Welsh Water owned Town Sewer that runs to the Welsh Water treatment plant via the Welsh Water owned Abbey Sewerage Pumping Station at the northern corner of Morfa Beach. Some surface water may also enter this system as overflow from our water treatment plant but this is minimised. Plan 0000.00.10.11.011

- **Energy** own the other water systems, pumphouses, treatment plants, sumps, outfalls, effluent, dock and river water systems. Energy have also helped in the past with clearing the town sewer overflow ditch.

Tata Outfalls:

- **Long Sea Outfall** (W1 on permit) is used mainly for treated effluent although some overflow water – from land drainage – may enter this if the systems go beyond capacity. Plans 0000.00.00.34.001, 0000.00.10.11.011, 7178.00.00.13.001.
- **Abbey Beach Outfall** (W3 on permit) is used for non-effluent including river and land drainage water (including that from the Arnallt Culvert). Plans 7178.00.00.13.001, 7174.47.00.12.005.
- **Stockyard Drainage Outfall** (W4 on permit) is used to ensure that the stockyards do not flood. The ABP lease plan shows this indicatively and we have a more accurate route marked on our plan 0000.00.10.11.011.
- **Dock Water Outfall** (W5 on permit) is used for cooling water discharge into dock. This is sea water and the entry is just east of the outfall.
- **Short Sea Outfall (BLOCKED)** is no longer in use. This is pretty much adjacent to the Welsh Water treatment plant at the northern corner of Morfa Beach and is the former town sewer. Plan 0000.00.10.11.011

Other items of interest:

- **Arnallt Culvert** runs from the point marked east of Harbour Way through our site, close to the old VLN building and to the Arnallt Sump where 6 pumps move the water to the Abbey Beach Outfall. If these pumps are overwhelmed then two larger pumps kick in and pump the water to the Storm water basin at Abbey Main Pumphouse and to Sea via the Abbey Beach Outfall. This pretty much matches the permit descriptive. To the best of our knowledge we do not discharge into the Arnallt, we transfer the Arnallt water to the outfalls as described. Plans 0000.00.00.34.001, 7178.00.00.13.001, 7174.47.00.12.0005
- **Point “A” Pumphouse** takes water via a ditch from our Eglwys Nunydd Reservoir. Plans 0000.00.10.11.006, 0000.00.10.11.606, 7174.47.00.12.005.
- **Point “B” Pumphouse** essentially takes water from **Point “A” Pumphouse** and from the Lower Mother Ditch (to prevent slabyard flooding) – the water goes to the Abbey Beach Outfall. Please see note 1 below regarding NRW position on exceeding abstraction limits at this point. Plans 0000.00.10.11.006, 0000.00.10.11.606, 7174.47.00.12.005..
- **Abbey Emergency Overflow Pipe / Ditch** runs alongside the Town Sewer next to the Betsi Lagoon and connects to the Storm Overflow Pipeline at the northern corner of Morfa Beach. We need to keep the ditch clear and free running but, to the best of my knowledge, the pipeline and outfall are Welsh Waters responsibility. Plan 0000.00.10.11.011.

Note1 : Test of note from NRW report on over abstraction at Point “B”:

It should be noted that whilst over abstraction appears to have become a regular occurrence there are extenuating circumstances in that the abstraction is water table dependent and fed from the moors area resulting in the operator having no control over the run-off into the ditches during wet weather. This situation has been allowed to continue to prevent flooding across the centre of the installation. NRW are therefore of the opinion that whilst technically the volume of water measured is non-compliant with the requirements of the respective licence [21/58/34/0002], currently no environmental impact is being, or is likely to be caused. It should be noted that the situation should be a matter of review at future compliance audits. A Common Classification Scheme [CCS] level 4 [no impact] is assigned to this matter. CCS Reference;206504

If any further information is required then please let me know.

Kind regards,

Steve

Steve Harvey

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nsitivity: general

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