

Jody Robert

From: Tony Wing <tony.wing@nmcn.com>
Sent: 12 August 2019 16:27
To: Jody Robert
Cc: Selva SelvaKumaran; Tom Le Gallais
Subject: Re: Bellozanne STW - Ground Water Discharge Permit Application

Follow Up Flag: Follow up
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Jody,

It was good to meet up with you last week I trust you found the visit worthwhile, I will endeavour to provide a suitable response to your queries below but as we discussed some of the areas are subject to us starting works in these areas,

Response below,

We currently have a Siltbuster HB50E on site and all ground water is currently pumped through this to discharge in to the STW and have a Trade Effluent Discharge Certificate to this effect. The HB50E has a capacity to treat 50m³ per hour and remove 95% of particles down to 18 microns.

As you will have seen on your visit we have a number of areas of the site being worked on at present and we have encountered groundwater in most of these areas further sampling has been undertaken and we are awaiting results.

With regard to locations of dewatering this is difficult to confirm at this present time but as you have described we have encountered water in all excavations so far although this has been perched or pocketed and required a short period of pumping to get the levels down which then filled up slowly due to infiltration.

We would propose that a regular sampling regime would be required once the long term pumping locations have been established.

We would expect to pump groundwater from all our remaining excavations which would be groundwater or rainwater accumulation. Once we have reached our formation level and concrete blinded the areas then any water pumping would be predominantly rain water.

With regard to the length of time for the discharge this would have to be for the duration of the construction works which would run from now until July 2020.

I will respond to your other email concerning abstraction shortly but in the meantime should you require any additional information please do not hesitate to contact me

On Thu, 4 Jul 2019 at 16:07, Jody Robert <J.Robert@gov.je> wrote:

Good afternoon Tony,

Thank you for the information provided so far.

Could you also provide the following which will assist me with context and potential permit conditions:

- Detail on the silt buster treatment plant and what it can achieve in terms of suspended solids.
- A context to the water sample result, what is it? Where is it from? Where is it in relation to potential contamination sources identified during the Site investigatory work?
- How confident are you that this sample will be representative of the water quality you are going to have to treat over the entire period of dewatering?
- What areas of the site are you expecting to have to dewater from? Excavations for primaries/ASP/or just footings for services in the valley floor?
- Any idea of when and for how long you are likely to need to use it?

There will need to be provision of a sampling point post treatment.

Regards,

Jody

From: Tony Wing [mailto:tony.wing@nmcn.com]
Sent: 25 June 2019 10:33
To: Jody Robert <J.Robert@gov.je>
Cc: Selva SelvaKumaran <S.SelvaKumaran@gov.je>; Tom Le Gallais <T.LeGallais@gov.je>
Subject: Bellozanne STW - Ground Water Discharge Permit Application

Jody,

Following our email exchange in May regarding discharge of ground water from the Bellozanne STW during the construction phase, we wish to make a formal application for a discharge permit.

Please find attached our completed application form including drawings indicating the discharge locations on site and the outfall discharge route, I have also included a copy of the water sample test results.

Would you please review the attached and advise if you require any further information

--

Tony Wing
Delivery Manager
Water

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tony.wing@nmcn.com



Bellozanne STW Renewal, Bellozanne Valley, St Helier, Jersey, JE2 3JX

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