

Inge Erasmus

From: Etienne A Roux <Etienne.Roux@westerncape.gov.za>
Sent: Wednesday, 31 July 2019 12:03 PM
To: Inge Erasmus; Eugeune Pienaar; Nicole I Garcia; Russell Mehl; 'Dirk Van Driel'; 'Bernard de witt'; 'Clinton'
Subject: RE: Klaarstroom Meeting summary

Hi Inge

Thank you so much for meeting us.

I think you have summarised the meeting accurately.

Just to emphasise, as the grit storage is continual, should the amount of grit stored at the Facility reach the threshold volumes for the Norms and Standards for waste, the Facility will need to be duly registered and adhere to the Norms and Standards.

On that note, please also bear in mind that even if you are not triggering Norms and Standards, the applicant will still need to adhere to section 28 of the National Environmental Management Act, 1998 (Act No. 107 of 1998).

Thank you.

Regards

Etienne Roux
Specialised Environmental Officer
Waste Management Licensing
Directorate: Waste Management
Western Cape Government Environmental Affairs and Development Planning

6th Floor, Property Centre, 3 Dorp Street, Cape Town

Telephone : +27 21 483 8378
Fax : +27 21 483 3186
E-mail : Etienne.Roux@westerncape.gov.za
Website : www.westerncape.gov.za/eadp

From: Inge Erasmus [mailto:inge@enviroafrica.co.za]
Sent: Friday, July 26, 2019 12:44 PM
To: Eugeune Pienaar <Eugeune.Pienaar@westerncape.gov.za>; Nicole I Garcia <Nicole.Garcia@westerncape.gov.za>; Etienne A Roux <Etienne.Roux@westerncape.gov.za>; Russell Mehl <Russell.Mehl@westerncape.gov.za>; 'Dirk Van Driel' <saligna2030@gmail.com>; 'Bernard de witt' <bernard@enviroafrica.co.za>; 'Clinton' <clinton@enviroafrica.co.za>
Subject: FW: Klaarstroom Meeting summary

Good day

Thank you very much to every one who attended the meeting and for giving your valued input.

This email serves as a summary of the discussion that took place on 25 July 2019 on the 6th floor, Property Building, Dorp Street, Cape Town. Please refer to the attached meeting register.

The purpose of the meeting was to determine an acceptable solution for the disposal of the existing waste water sludge within the existing ponds on site in such a way to benefit the environment and to not delay the project. Another point of discussion was to determine an acceptable solution for the disposal of the daily grit & screenings. The outcome is summarised below:

Disposal of existing sludge:

- Construction work to commence as per the proposed. Please refer to the Proposed sequence of construction activities doc attached.
- Construct a temporary 'drying bed' in the area initially dedicated to the proposed disposal of the sludge & screenings to land. Please refer to the proposed locality map attached.
- The location of the temporary 'drying bed' must be to the satisfaction of the ECO on site
- It is proposed that the temporary 'drying bed' have a footprint of $\pm 250\text{m}^2$ with a $\pm 200\text{mm}$ to $\pm 500\text{mm}$ (max) high berm and a 0,5mm thick impermeable lining
- Sludge to be pumped onto the temporary 'drying bed' to dry
- As soon sludge is dry, samples to be taken and the sludge to be sent for testing & classification (Sludge not to be stored for longer than 90 days to qualify as temporary)
- Classification results will guide the suitable method of disposal
- Classification results must be made available to DEADP Directorate: Waste Management & Directorate: Pollutions & Chemicals Management to confirm best method for disposal of the sludge
- If sludge is of suitable quality, Land farming is considered a viable and affordable option for disposal, alternatively, disposal at a licenced, registered facility

Disposal of Grit & Screenings:

- Daily grit & screenings to be stored in skip on site from where it will be disposed of at a licensed, registered facility
- Estimated daily screenings & grit to be determined but it is estimated to not more than half a wheelbarrow load
- Estimated daily screenings & grit to guide size of skip
- It is preferred that the skip have a lid
- Skip to be placed close to the inlet works for ease of disposal
- It proposed that the municipality purchase and manage own skip for better control
- It is proposed that the first batch of grit & screenings be tested to determine suitable facility for disposal
- Screenings & grit to be disposed of at an appropriate registered facility on a monthly basis (grit & screening not to be stored for more than 90 days)

Additionally:

- The Operational Management Plan for the works states that during the degritting of the channels that the Process Controller will remove the settled grit from the bottom of the channel with a shovel and place the grit on an area adjacent to the channel to allow the grit to dry and the water to drain into the channel. It is further proposed that drying of the grit next to the channel be on a bunded concrete slab with a channel to allow the water to flow back into the channel. Grit & screenings not to be placed on bare soil for drying. The Process Controller to sprinkle the lime on the drying grit to discourage flies.

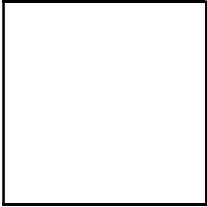
Other conditions:

- When ponds are to be de-sludged in future (approx. 5-7 years) sludge needs to be dried as per the method described above. Sludge to be tested and classified to determine best method of disposal
- Grit & screening to be tested every 1-3 years to determine if disposal method is still suitable

If there is anything in this email that you do not agree with or anything that was not captured please inform me directly and I will capture/correct the information and redistribute it. No comment by next week Wednesday 31 July will be regarded as your agreement to the content of this mail.

Kind regards
Inge

Inge Erasmus



Environmental Consultant

EnviroAfrica cc

p: +27 21 851 1616 m: +27 83 417 0800

f: +27 86 512 0154

a: Unit 7, Pastorie Park, Reitz St, Somerset West, 7130
P.O. Box 5367, Helderberg, 7135

w: www.enviroafrica.co.za e: inge@enviroafrica.co.za

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