

From: Chris Webb [<mailto:chris.webb@cookeaquaculture.com>]

Sent: 31 August 2017 09:53

To: Osborn, Kevin

Cc:

Subject: RE: Mid Yell Fish Processing facility - action points following site visit

Dear Kevin,

Please see below and attached. In relation to the questions posed below.

3. Blood Water Treatment Plant

It was evident at the time of inspection that the plant was not operating properly and was producing an 'offensive' odour. This was the subject of an Environmental Event notified to SEPA. It was also evident that small amounts of effluent from the blood water storage tanks was discharging directly to Mid Yell Voe, without treatment, via what were assumed overflow pipes. You were aware of this problem and are to put in place remedial actions to prevent the overflow discharging untreated effluent directly to Mid Yell Voe. **Can you please confirm the timescale for these remedial works to be undertaken.**

The offensive odour observed was partly due to the filtration units not being properly cleaned by the maintenance staff, a cleaning schedule has now been implemented for this and will be undertaken on a regular basis, the small amounts of bloodwater that were escaping from the manhole cover, were also contributing to the smell and will be addressed

in the next two weeks, by concreting the area along with fitting an appropriate bund and extending the height of the cover to provide an expansion chamber.

During our discussion you mentioned that the blood water treatment plant may not be effective during periods of fish delivery to the factory as large volumes of water are being sent to the treatment plant in a short space of time. A possible solution to this would be to install a buffer tank to better control the volume of effluent entering the treatment plant. An assessment of the effluent treatment plant capacity in relation to the volumes of effluent being delivered to it is required to ensure the plant is suitably sized.

Following discussion with the factory manager I have been assured that the effluent treatment plant was designed with sufficient capacity to deal with well in excess of current capacity, 120m³ per day. The water prior to discharge is filtered 3 times firstly through a belt filter then a secondary drum filter before final filtration and ozonation prior to discharge to sea.

Can you please confirm the average and maximum volumes of blood water being sent to the effluent treatment plant per day. Can you also please confirm the maximum operating capacity of the effluent treatment plant.

The average quantity of Blood water per day is 60m³ with the maximum of 84m³ based on 7 tankers. The maximum operating capacity of the plant is 120m³ per day and have a storage capacity for 114m³ per day, as such the effluent is treated over a 24hr period .

Regards,

Chris Webb
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From: Osborn, Kevin [<mailto:kevin.osborn@sepa.org.uk>]

Sent: 24 August 2017 16:33

To: Chris Webb

Subject: FW: Mid Yell Fish Processing facility - action points following site visit

Dear Chris

Further to my recent site visit to the Cooke Aquaculture Mid Yell Salmon Processing facility and our subsequent meeting at the SEPA Shetland Office, the following points are to be addressed:

3. Blood Water Treatment Plant

It was evident at the time of inspection that the plant was not operating properly and was producing an 'offensive' odour. This was the subject of an Environmental Event notified to SEPA. It was also evident that small amounts of effluent from the blood water storage tanks was discharging directly to Mid Yell Voe, without treatment, via what were assumed overflow pipes. You were aware of this problem and are to put in place remedial actions to prevent the overflow discharging untreated effluent directly to Mid Yell Voe. **Can you please confirm the timescale for these remedial works to be undertaken.**

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Please respond to the information requests above by 8th September 2017.

Regards

Kevin Osborn

Kevin Osborn

Environment Protection Officer

Scottish Environment Protection Agency

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