



From: Horner, David <David.Horner@epa.tas.gov.au>
Sent: Monday, 10 January 2022 10:01 AM
To: Russmann, Claudia <Claudia.Russmann@epa.tas.gov.au>; Churchill, Mark <Mark.Churchill@epa.tas.gov.au>;
Burgoyne, Megan <Megan.Burgoyne@epa.tas.gov.au>
Cc: Gallagher, Stephen G <Stephen.Gallagher@epa.tas.gov.au>
Subject: RE: MF94 Antibiotics monitoring - Jan 2022.xlsx

Morning Claudia

I think it seems rather sound.

I would stick with the default 50% of pen bays given dosage you indicated on Friday. Agree, given the plan is to use 675kg of active ingredient (OTC). Agree

Only suggestion would be to move the wild fish from near tinderbox reserve to Conningham beach and the Dennes Point Jetty one could to Nebraska beach.

I think this proposal shows a refinement in technique based on previous monitoring

For the first run should we also include sediment at
200mN (E:524755, N:5229600)
South East corner of zone (E:524700, N:5228400)

Regards
David

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From: Russmann, Claudia <Claudia.Russmann@epa.tas.gov.au>
Sent: Friday, 7 January 2022 7:12 PM
To: Churchill, Mark <Mark.Churchill@epa.tas.gov.au>; Burgoyne, Megan <Megan.Burgoyne@epa.tas.gov.au>;
Horner, David <David.Horner@epa.tas.gov.au>
Cc: Gallagher, Stephen G <Stephen.Gallagher@epa.tas.gov.au>
Subject: MF94 Antibiotics monitoring - Jan 2022.xlsx
Importance: High

Hi all,

I am in the process of putting the survey specs together for the Sheppards antibiotics monitoring program which is to commence ~16 January.

I've done a rough sampling map but I need a reality check to make sure these locations are in appropriate spots.

The thinking is roughly this:

- In-lease sediment monitoring: default position would be 50% of pen bays (based on 15 medicated pens) but I am thinking of reducing to 4 or 5;
- 3 sediment transects from the northern and western lease boundary; Even though current flow is predominantly to the north at depth I would add some sites to the south of the lease just in case some feed/faeces is deposited in that direction. Perhaps one transect or even one site at southern end of lease.
- Sediment monitoring at sensitive receptors ie. public swimming spots and Killora. Other than for optics, I don't understand why we would ask for sampling at beaches located some distance away?
- Wild fish sampling within lease, as well as at Dennes Point or Nebraska Beach and at Killora. I would have thought that it would make more sense to only sample wild fish inside/adjacent to the lease rather than at sites greater than 500m away. At least some levels may get picked up this way, extremely unlikely to pick up levels in fish sampled some distance from lease. Notwithstanding, other than for optics it doesn't make any sense to me to sample at Conningham/Dennes/Killora. Notwithstanding, the FSANZ study back in late 2000's identified that the risk to human's from eating wild fish residing near fish farms where antibiotics were used was negligible and an individual would have to eat an incredibly large amount of wild fish each week for problems to arise. Given this, why are we requiring wild fish monitoring? Perhaps Dennes Pt instead of Nebraska and additional monitoring point west of lease in vicinity of rocky reefs near shore.

Let me know what you think. A map with the locations is in the spreadsheet (go to last 2 tabs).

It would be good if you could get back to me sometime on Monday as I'd like to get the draft to Tassal and give the lab a heads-up of number of samples likely to be submitted.

Cheers, Claudia

[REDACTED]

From: [REDACTED]@tassal.com.au>
Sent: Tuesday, 11 January 2022 7:30 PM
To: Russmann, Claudia
Cc: Gallagher, Stephen G; Ford, Wes; Salmon Regulation; [REDACTED]
Subject: RE: Antibiotics monitoring requirements

Thank you Claudia

Will get on to this asap and respond.

Many thanks

[REDACTED]

From: Russmann, Claudia <Claudia.Russmann@epa.tas.gov.au>
Sent: Tuesday, 11 January 2022 6:59 PM
To: [REDACTED]@tassal.com.au>
Cc: Gallagher, Stephen G <Stephen.Gallagher@epa.tas.gov.au>; Ford, Wes <Wes.Ford@epa.tas.gov.au>; Salmon Regulation <Salmon.Reg@epa.tas.gov.au>; [REDACTED]@tassal.com.au>
Subject: Antibiotics monitoring requirements

Good evening [REDACTED]

Please find attached, as discussed yesterday, the Draft Antibiotics Residue Monitoring Schedule in relation to the current medication event at Sheppards MFL94.

We would appreciate your / your consultants' comments in the next couple of days so that we can finalise the schedule as formal correspondence under the Director's signature.

To date I have not been in touch with Aquenal as they have not been named as the consultant to conduct this monitoring program but I would be happy to discuss the requirements with them.

With kind regards,

Claudia Russmann | Senior Environmental Officer
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Environment Protection Authority
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