

Bijaya Adhikari

From: Mardy Semmler
Sent: September 6, 2017 1:42 PM
To: Krizan, Julia
Cc: Stokes, Darren (dstokes@repsol.com); Jacobson, Aaron (ajacobson@extservices.repsol.com); Bijaya Adhikari; Freda Wilson
Subject: RE: Satellite Bay and Mould Bay Site Conditions

Julia

The information provided is acceptable to the IWB. Please ensure the information regarding the deferral is reflected in the annual report.

Thank you

Mardy

Mardy Semmler

Executive Director

Inuvialuit Water Board

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From: Krizan, Julia [mailto:Julia_Krizan@golder.com]
Sent: September 6, 2017 1:32 PM
To: Mardy Semmler <semmlerm@inuvwb.ca>
Cc: Stokes, Darren (dstokes@repsol.com) <dstokes@repsol.com>; Jacobson, Aaron (ajacobson@extservices.repsol.com) <ajacobson@extservices.repsol.com>
Subject: FW: Satellite Bay and Mould Bay Site Conditions

Hi Mardy,

Below is Lloyd's response regarding leaving the greywater containments behind.

As discussed, this is in addition to the items specified in the letter dated August 31, 2017.

Thank you

Julia

From: Lloyd Gruben [mailto:Lloyd_Gruben@gov.nt.ca]
Sent: September-06-17 1:29 PM
To: Krizan, Julia <Julia_Krizan@golder.com>
Subject: RE: Satellite Bay and Mould Bay Site Conditions

Yes, I agree with you. This will be acceptable

From: Krizan, Julia [mailto:Julia_Krizan@golder.com]
Sent: Wednesday, September 06, 2017 1:12 PM
To: Mardy Semmler; Lloyd Gruben
Cc: Stokes, Darren (dstokes@repsol.com); Jacobson, Aaron (ajacobson@extservices.repsol.com)
Subject: FW: Satellite Bay and Mould Bay Site Conditions

Good afternoon Mardy and Lloyd.

Mardy, further to our phone conversation this morning, I am forwarding the email sent to Lloyd. This is to inform you of the added change – leaving the filled greywater containments at the Mould Bay and Satellite Bay sites. Our rationale as well as methods of securing the tanks are provided in the below email.

Lloyd, as you know, we are getting ready to leave the site - please let us know if you require any additional information or additional mitigation measures to be implemented. Please cc Mardy on your response.

Thank you everyone

Julia

From: Krizan, Julia
Sent: September-05-17 12:11 PM
To: 'Lloyd Gruben' <Lloyd_Gruben@gov.nt.ca>; Stokes, Darren (dstokes@repsol.com) <dstokes@repsol.com>
Subject: FW: Satellite Bay and Mould Bay Site Conditions

Good afternoon Lloyd,

After further exploring the current greywater containment situation at both Mould Bay and Satellite Bay, we would like to inform you that we will NOT be asking for approval to discharge greywater directly to the terrestrial environment. We will continue to discharge into the tanks and leave them in place for the following reasons:

1. There is now too much ice in each greywater tank to be able to effectively and safely dismantle the containments. Working on a slippery, wet vinyl surface with chunks of ice is not safe and will risk to damage the structures (likely more than freezing temperatures will).
2. We are directing current greywater discharge from the camps into the freshly discharged tanks to add ballast and stabilize them to withstand high winds.
3. We will add additional anchors and guys ropes as required to ensure they are secured.
4. We believe that the greywater tanks with the frozen greywater and added anchors will be secure until June 2018 when we come back to site to discharge the greywater after it has melted (and passed the discharge criteria).
5. Prior to leaving the site, we will take samples of all tanks and will distribute the laboratory results.

We will communicate this change (leaving the frozen greywater tanks at Mould Bay and Satellite Bay) to all regulators and will keep everyone posted.

As always, please let us know if you have any questions.

Thank you

Julia

From: Krizan, Julia
Sent: August-30-17 3:32 PM
To: 'Lloyd Gruben' <Lloyd_Gruben@gov.nt.ca>
Cc: Stokes, Darren (dstokes@repsol.com) <dstokes@repsol.com>
Subject: Satellite Bay and Mould Bay Site Conditions

Good afternoon Lloyd.

If you are still thinking about a site visit to Satellite Bay, please do so soon. The weather is drastically deteriorating (see attached picture from this morning; note that mould Bay had more snow) and temperatures are consistently below freezing. We need to complete the construction for the year shortly, pull out the watercourse crossing and secure all equipment. We will send an official notice to all regulators tomorrow advising every one of our upcoming demobbing and winterizing during the next week.

Also, we were not able to get water samples from the creek this morning for our SNP reporting. It may warm up by a few degrees and then we can continue for a day or two with the sampling but we are clearly seeing freeze up conditions now and will not be able to sample and test the water for too much longer.

The freezing temperatures also affect our greywater tanks. They are beginning to freeze as they are not designed to remain in service over the winter, and they may fail and leak during the winter. We need to drain and dismantle the tanks as soon as possible before the greywater is frozen solid. We would like to combine this with the greywater release planned for this weekend. This includes the main tanks at each site and the backup tanks. We would like to remove the tanks from service, discharge the current contents, and then discharge greywater directly to ground sumps for the duration of the demobilization (about one to two weeks). The ground sumps (at both camps) will be at a minimum of 30 metres away from the nearest watercourse and we will ensure that no floating solids, garbage, grease or oil is discharged (our system of filters is successfully preventing these substances to enter the greywater system). Since the water will not be held anymore, we will not be able to test it any longer prior to release. For the past 4 weeks, our greywater at both sites has consistently been below discharge thresholds (with the exception of the very first discharge event at Mould Bay during freshet). We anticipate greywater conditions to stay the same for the remaining time. The water sources have not changed, and the numbers of people in camp are decreasing weekly.

We will send you an official letter tomorrow – notifying you (and other regulators) about the upcoming end of the 2017 construction season, our demobilization and our plans to complete the project in 2018.

Please let us know whether the above described approach is acceptable and if you have any questions or concerns.

Thank you

Julia

Julia Krizan, M.Sc., Ph.D.

Senior Biologist / Arctic Ecosystems

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