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# UNAVUT IMPACT REVIEW BOARD NUNAVUMI AVATILIKIYIN KATIMAYIN

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3AM-ARV1016 Water Reservoir Cell #3

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ᐃᑦᑲᑦᑲᑦ ᐃᑦᑲᑦᑲᑦ:	ᐃᑦᑲᑦᑲᑦ
ᐃᑦᑲᑦᑲᑦ ᐃᑦᑲᑦᑲᑦ:	5/15/2017 11:29:07 AM
Period of operation:	from 2017-05-15 to 2038-05-17
ᐃᑦᑲᑦᑲᑦ ᐃᑦᑲᑦᑲᑦ:	from 2017-05-15 to 2038-05-17
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### ᐃᑦᑲᑦᑲᑦ

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ᐃᑦᑲᑦᑲᑦ: Refer to attached document.

ᐃᑦᑲᑦᑲᑦ: N/A

ᐃᑦᑲᑦᑲᑦ: Refer to attached document.

### Personnel

Personnel on site: 0

Days on site: 0

Total Person days: 0

Period of operation: from 2017-05-15 to 2017-05-15

Proposed term of operation: from 2017-05-15 to 2038-05-17







Geotechnical Report.

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- The area where the third reservoir cell will be constructed is adjacent to the other two cells. This area has previously been disrupted and there is little vegetation. - Little wildlife in the area of the new reservoir cell and water treatment plant is assumed due to the proximity to the community, adjacent to a busy road out of town, and next to the activity of 6-7 water trucks delivering water daily from approximately 7am-10pm.

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- There is significant human health risk in not completing this project. By restricting the water available to the community, people will not be able to achieve minimum daily water volumes needed to prevent water wash diseases.

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- Permafrost impacts will be mitigated during construction by excavating and installing the liner quickly as to not allow the ground to thaw. - Construction noise cannot be avoided, however it is for a limited time period. Heavy vehicle activity around the water treatment plant is already a daily occurrence. - The construction phase has the potential to create employment and economic opportunities for the community; either directly at the construction site or indirectly through the use of hotels, local stores, restaurants, etc.

- Further developing the area of the current water reservoir cells and water treatment plant will create a larger impacted area. However, the health needs of the community have to be met and the alternative would be to develop a new area.



Project Map

