



ALASKA DEPARTMENT OF NATURAL RESOURCES
Division of Mining, Land, and Water
Water Resources Section

550 West 7th Avenue, Suite 1020, Anchorage, AK 99501-3562

TEMPORARY WATER USE AUTHORIZATION
TWUA A2020-99

Pursuant to AS 46.15, as amended and the rules and regulations promulgated thereunder, permission is hereby granted to the Manokotak Village Council (authorization holder), PO Box 169, Manokotak, Alaska 99628, and its contractors, to withdraw water as described below. Water use is associated with dust control and compaction associated with the Manokotak Second and Third Street Rehabilitation Project. The season of use is May 1 through October 31 of each authorized year.

SOURCES & AMOUNT OF WATER:

Igushik River in Section 11, Township 14 South, Range 59 West, Seward Meridian. The maximum daily withdrawal is limited to 5,000 gallons, with a combined seasonal maximum of 500,000 gallons.

ADVISORY

The water use area is near an active registered public water system source. **Please see Condition 27.**
The water use area is near multiple appropriators of record. **Please see Condition 28.**

STRUCTURES TO BE CONSTRUCTED AND USED:

As described in the application materials: screened intake, pump(s) with a 6" intake or less and up to a 1,700 gpm output through pipe/hose and water truck (capacity to be determined). The project includes installation of drainage ditches and culvert(s). No dewatering or diversion are occurring during construction activities.

The Manokotak Road Rehabilitation Project will involve the rehabilitation of six (6) roads (0.9 total miles), the installation of new drainage features, and the construction of four on-street parking stalls and ramps along Third Street constructed with retaining walls and guardrails. Road improvements will include the placement of a woven geotextile material to stabilize all subgrades, placement of new fill material to establish proper road embankments, followed by the placement of a crushed aggregate surface course to widen and enhance the traveling surface. Proposed drainage features include the placement of new appropriately sized culverts along existing roadways, replacement of existing failed culverts, the construction of roadside ditches along all streets, and the installation of rock-filled drainage channels with perforated pipe. The drainage channels will run between lots, perpendicular to First, Second, and Third Street.

Changes in the natural state of water are to be made as stated herein and for the purposes indicated.

The authorization holder shall comply with the following conditions:

CONDITIONS:

1. This authorization does not authorize the authorization holder to enter upon any lands until proper rights-of-way, easements or permission documents from the appropriate landowner have been obtained.
2. Follow acceptable engineering standards in exercising the privilege granted herein.
3. Comply with all applicable laws, and any rules and/or regulations issued thereunder.

4. Except for claims or losses arising from negligence of the State, defend and indemnify the State, the State's agents and the State's employees against and hold each of them harmless from any and all claims, demands, suits, loss, liability and expense, including attorney fees, for injury to or death of persons and damages to or loss of property arising out of or connected with the exercise of the privileges covered by this authorization.
5. Notify the Water Resources Section upon change of address.
6. The authorization holder is responsible for obtaining and complying with other permits/approvals (state, federal, or local) that may be required prior to beginning activities pursuant to this authorization including, but not limited to, fish habitat permits from the Alaska Department of Fish and Game (ADF&G), Habitat Division and any adjacent landowner or agency.
7. The authorization holder shall allow an authorized representative of the Water Resources Section to inspect at reasonable times any facilities, equipment, practices or operators regulated or required under this authorization.
8. Failure to respond to a request for additional information during the term of the authorization may result in the termination of this authorization.
9. This authorization, or a copy thereof, shall be kept at the site of the authorized project described herein. The authorization holder is responsible for the actions of contractors, agents or other persons who perform work to accomplish the approved project and shall ensure that workers are familiar with the requirements and conditions of this authorization. For any activity that significantly deviates from the approved project during its siting, construction or operation, the authorization holder is required to contact the Water Resources Section and obtain approval before beginning the activity.
10. The Water Resources Section may modify this authorization to include different limitations, expand monitoring requirements, evaluate impacts or require restoration at the site.
11. Any false statements or representations in any application, record, report, plan or other document filed or required to be maintained under this authorization may result in the termination of this authorization.
12. Pursuant to 11 AAC 93.220(f), this authorization may be suspended or terminated by the Department of Natural Resources to protect the water rights of other persons or the public interest.
13. Monitor water withdrawals and/or diversions for each day of actual use for each authorized water source and when withdrawals and/or diversions for each authorized water source reached 90% of the authorized limit for that water source submit this information to this office prior to the initiation of any further withdrawals and/or diversions of the respective water source.
14. Operations shall be conducted in such a way as to prevent any petroleum products or hazardous substances from contaminating surface or ground water. Pumps will not be fueled or serviced within 100 feet of a pond, lake, stream, river or other water body unless the pumps are situated within a catch basin designed to contain any spills. Vehicles will not be fueled or serviced within 100 feet of a pond, lake, stream, river or other water body. Equipment shall not be stored or serviced within 100 feet of any water body. In case of accidental spills, absorbent pads and spill response kits shall be readily available. Appropriate disposal methods for waste products shall be followed.
15. Operations shall not cause or contribute to the spread of preexisting or authorization holder caused contaminate plumes. All spills and contamination encountered must be immediately reported to the Alaska Department of Environmental Conservation (ADEC) and the Alaska Department of Natural Resources (DNR). Authorization holder shall cooperate with lawful prohibitions, restrictions,

instructions, stop work orders or work plan requirements issued by ADEC for authorization holder's projects.

16. All equipment used at or adjacent to water bodies must always be clean and free from contamination and invasive species (terrestrial and aquatic) to prevent the introduction of contamination and invasive species to the water body.
17. The bed or banks of the referenced water bodies may not be excavated or modified in any way as part of your water withdrawal activities. If banks, shores or beds are inadvertently disturbed, excavated, compacted or filled by activities attributable to this project, they shall be immediately stabilized to prevent erosion and resultant sedimentation of water body which could occur both during and after operations. The Water Resources Section is to be notified immediately if the above occurs. Additional corrective action may be required by ADNR and the land manager/owner.
18. The water pump intake structure must be enclosed and centered within a screened intake structure with a maximum screen-mesh size of 0.1 inches (2.54 mm). The intake structure must be designed so that the water velocity does not exceed 0.5 feet per second at the screen/water interface.
19. The authorization holder shall inspect the intake screen for damage (torn screen, crushed screen, screen separated from intake ends, etc.) after each use and prior to each deployment. Any damage observed must be repaired prior to use of the structure. The structure must always conform to the original design specifications while in use.
20. Water discharge (including runoff) shall not be discharged at a rate or location resulting in sedimentation, erosion, hazards within adjacent or nearby properties, road rights-of-way, storm sewer systems or other disruptions to the bed or banks of water bodies.
21. Adequate flow and water levels must remain to support indigenous aquatic life and provide for the efficient passage and movement of fish.
22. Any project in fish bearing waters must conform to any season of use, fish window or other stipulation established by the Alaska Department of Fish and Game, Habitat Division.
23. Silt fencing, silt sock or other suitable containment techniques must be used, as necessary, to minimize the introduction of suspended solids into flowing water or groundwater.
24. Deviations from the project description submitted with the application which affect water amounts, operation, diversions or point of discharge must be approved by DNR in writing prior to implementation.
25. Except as described in the application materials, the issuance of this authorization does not give the authorization holder the right to block or dam a water course.
26. The placement of equipment shall not unnecessarily hinder public access.
27. Adhere to the ADEC, Division of Environmental Health-Drinking Water Program *Recommendations for General Project Activities Associated with, or near, a Public Water System Source*, where applicable.
28. If any adjacent well owner or appropriator of record notes interference during any work associated with this authorization, work is to immediately cease and DNR-Water contacted. Pumping is not to resume until authorized by DNR-Water.
29. Only water use is being authorized with this authorization. No ground disturbance, clearing, mulching, mowing, rutting or other land use can occur in conjunction with the activities in this authorization without the express approval of the land manager/owner.

30. Record and immediately report to this office all complaints relating to pumping/diversion activities and discharge, including requests for information from residents, should the situation occur.

31. Per 11 AAC 05.260(e), an annual administrative service fee shall be assessed on this authorization.

This Temporary Water Use Authorization is issued pursuant to 11 AAC 93.220. No water right or priority is established by a temporary water use authorization issued pursuant to 11 AAC 93.220. Water so used is subject to appropriation by others (11 AAC 93.210 (b)).

Pursuant to 11 AAC 93.210 (b), authorized temporary water use is subject to amendment, modification or revocation by the Department of Natural Resources if the Department of Natural Resources determines that amendment, modification or revocation is necessary to supply water to lawful appropriators of record or to protect the public interest.

This authorization shall expire on October 31, 2025.

Date issued: January 4, 2021

Approved: Henry C Brooks
Henry C Brooks
Manager, Water Resources Section



June 11, 2020

Recommendations for general project activities associated with, or near, a public water system source

The following recommendations are intended to address potential impacts of projects, to be permitted or otherwise, in which planned activities are associated with, or near, a public water system (PWS) source (e.g. spring, well, and/or surface water intake). The key aspects of these recommendations are to identify nearby PWS sources, establish appropriate points of contact for the applicant and PWS, and implement best management practices.

Authority:

18 AAC 80.015. Well protection, source water protection, and well decommissioning.

- a) A person may not
 - (1) cause pollution or contamination to enter a public water system; or
 - (2) create or maintain a condition that has a significant potential to cause or allow the pollution or contamination of a public water system.

Recommendations:

- 1) Identify on a legible map if any part of the project is within a Drinking Water Protection Area (DWPA) for a PWS source. DWPAs can be found using the interactive web map application, "Alaska DEC Drinking Water Protection Areas", located at <http://dec.alaska.gov/das/GIS/apps.htm>. Basic instructions for using this web map can be found at <http://dec.alaska.gov/media/14954/dwp-dec-dw-public-web-map-instructions.pdf>. If you experience problems accessing the map, please contact the Drinking Water Source Protection group at (907) 269-7549, or chris.miller@alaska.gov.
- 2) Where the project/permit intersects a DWPA, notify the associated PWS contact and provide the following:
 - a) A brief description of the project location and associated activities; and
 - b) Project contact information.

PWS contact information can be obtained using the hyperlink from within the DWPA pop-up information in the web map, or directly by using the online application called "Drinking Water Watch", found at <http://dec.alaska.gov/DWW/>.

- 3) Within the identified DWPA, control stormwater and wastewater discharge such that it is directed away from the PWS.

Recommendations for general project activities associated with, or near, a public water system source (continued)

- 4) Within the identified DWPA, restrict project/permit activities that could significantly and/or permanently change the natural surface water or groundwater levels of the water sources immediately contributing to the PWS.
- 5) Within the identified DWPA, implement voluntary best management practices suited to your project where equipment storage, maintenance and operation, or other potential sources of contamination are located to minimize the potential for PWS source contamination.
- 6) Restrict or limit equipment storage, maintenance and operation, and other potential sources of contamination, within the following high-priority DWPA Zones:
 - a) Zone A DWPA (several-months-time-of-travel for contributing groundwater, or 1,000-foot buffer of the contributing surface water body and its immediate tributaries);
 - b) Zone E DWPA (1,000-foot buffer of the contributing surface water body and its immediate tributaries for a source using groundwater under the direct influence of surface water (GWUDISW)); or
 - c) Provisional DWPA (1,000-foot radius around a PWS source).
- 7) All non-proprietary data related to the project/permit, including but not limited to, water quality results (field and lab), survey data, water levels, subsurface lithologic descriptions and depth, and groundwater flow direction and gradient information, should be made available to the permitting agency upon request.
 - a) When associated with the development, construction, modification, or operation of a PWS, follow the requirements in DEC Drinking Water regulations 18 AAC 80, <http://dec.alaska.gov/eh/dw/regulations>.
- 8) Keep a list of PWS contacts and agency spill reporting contacts readily available.
 - a) Immediately notify contacts of any potential contamination event, such as spills or excess erosion.

Sincerely,

Charley Palmer, *Hydrologist III*
DEC Drinking Water Source Protection
E: charley.palmer@alaska.gov

Alternate contacts:

Chris Miller, Environmental Program Specialist IV, chris.miller@alaska.gov
Kalah Statz, Environmental Program Specialist II, kalah.statz@alaska.gov