

SECTION 312319 - DEWATERING

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. Section includes construction dewatering.
- B. Related Requirements:
 - 1. Section 312000 "Earth Moving" for excavating, backfilling, site grading, and controlling surface-water runoff and ponding.

1.03 DEFINITIONS

- A. ADEC: Alaska Department of Environmental Conservation
- B. PFAS: Per- and polyfluoroalkyl substances are a group of man-made chemicals that includes perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS).

1.04 INFORMATIONAL SUBMITTALS

- A. Preconstruction Submittals:
 - 1. Dewatering Work Plan.
 - 2. Notice of Intent for coverage under the ADEC Alaska Pollutant Discharge Elimination System (APDES) General Permit for Excavation Dewatering.
 - 3. ADEC Discharge Authorization.
- B. Closeout Submittals:
 - 1. Notice of Termination for coverage under APDES General Permit for Excavation Dewatering.

1.05 SPECIAL ENVIRONMENTAL REQUIREMENTS

- A. Comply with the special environmental requirements listed in Article 3.01 DEWATERING and on ESCP sheets.
- B. Comply with the requirements listed in Section 8 in the Contaminated Materials Management Plan.

1.06 REGULATORY NOTIFICATIONS

- A. Provide Notice of Intent and final dewatering work plan in accordance with APDES General Permit AKG002000 for Excavation Dewatering. Submit copies of regulatory notifications to the Engineer of Record at least 14 days prior to commencement of work activities.

1.07 REGULATORY NOTIFICATION AND PERMITS

- A. Obtain coverage under APDES General Permit AKG002000 for Excavation Dewatering. Groundwater in this area is known to have the following contaminants in concentrations exceeding ADEC cleanup levels: PFOS and PFOA. Permit coverage shall be obtained at no additional cost to the Government.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 DEWATERING

- A. Dewatering shall be limited to that necessary to install water line. All methods to install water line in water is preferred.
- B. Construction operations for dewatering must be constantly controlled to comply with the State of Alaska Construction General Permit and Excavation Dewatering Permit. Use erosion prevention and sediment control Best Management Practices (BMPs) to prevent construction site runoff from entering the excavation. Do not discharge excavation ground water to the sanitary sewer, storm drains, or to lands or surface waters.

3.02 DEWATERING WORK PLAN

- A. Submit a Dewatering Work Plan within 30 calendar days after notice to proceed. No work at the site, with the exception of site inspections and surveys, shall be performed until the Work Plan is approved. Allow 14 calendar days in the schedule for review.
- B. No adjustment for time or money will be made if resubmittals of the Work Plan are required due to deficiencies in the plan.
- C. The Dewatering Work Plan shall be prepared in accordance with the most recent version of the BMP Plan Template issued by the Alaska Department of Environmental Conservation (ADEC) Division of Water Quality, located at:

<https://dec.alaska.gov/media/6708/bmp-plan-template.docx>.
- D. The State of Alaska and EPA have agreed to a generally acceptable approach to excavation dewatering activities in the PFAS-contaminated groundwater areas. This approach includes:
 - 1. Keeping groundwater from the excavation within the overall footprint of the project.
 - 2. Locating the water discharge point below the local groundwater table. This level may vary from that indicated on plan drawings due to seasonal variations.
 - 3. Incorporating site-specific requirements into the dewatering work plan to address potential hazards based on contaminants present on site (liberation of volatile compounds, direct contact hazards, etc.).
- E. Information regarding this approach is shown in the ESCP drawings.

3.03 NOTICE OF INTENT FOR EXCAVATION DEWATERING

- A. Prepare and submit the Notice of Intent (NOI) for APDES coverage under General Permit AKG002000 for Excavation Dewatering and associated Dewatering Work Plan to the

Engineer of Record for review and approval. The permit documents, forms, and further permit information can be accessed at the following location:

<http://dec.alaska.gov/water/wastewater/stormwater/dewater-hydrostatic/>

- B. Submit the approved NOI, Dewatering Work Plan, and appropriate permit fees to the ADEC Division of Water. No land disturbing activities ultimately requiring excavation dewatering may commence without permit coverage.
- C. Maintain an approved copy of the Dewatering Work Plan at the onsite construction office, and continually update as regulations require, reflecting current site conditions.
- D. Submit a copy of the ADEC authorization to the Engineer of Record within seven (7) days of receipt of authorization and prior to conducting any ground-disturbing activity on site.

3.04 NOTICE OF TERMINATION FOR EXCAVATION DEWATERING

- A. Submit a Notice of Termination (NOT) to the Engineer of Record for approval once excavation dewatering activities are complete on all portions of the site for which the permittee is responsible. Once approved, submit the Notice of Termination to the ADEC Division of Water.

PART 4 - MEASUREMENT AND PAYMENT

4.01 MEASUREMENT

- A. Dewatering: Dewatering will not be measured since it is a lump sum item.

4.02 BASIS OF PAYMENT

- A. Payment for Dewatering items by the Contractor shall include furnishing all necessary material, personnel, equipment, transportation, and supplies to perform the work as shown and specified.

<u>Pay Item No.</u>	<u>Pay Item</u>	<u>Pay Unit</u>
312119-1	Dewatering	Lump Sum

END OF SECTION

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