



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Environmental
Conservation

DIVISION OF WATER
Wastewater Discharge Authorization Program

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February 5, 2018

**Subject: General Permit AKG320000 – Statewide Oil and Gas Pipelines
Minor Modification 1, Correction of Permit Expiration Date**

On June 14, 2017 the Department of Environmental Conservation (Department or DEC) issued general permit for AKG320000 – Statewide Oil and Gas Pipelines. The permit cover page specified an effective date of January 1, 2018 and an expiration date of December 31, 2023.

A subsequent review of the permit by Department staff found that the original December 31, 2023 expiration date does not conform to Alaska Administrative Code (AAC) section **18 AAC 83.020 - Term of Permit**, which specifies that “An Alaska Pollutant Discharge Elimination System permit is effective for a fixed term that must be listed in the permit and must not exceed five years or any shorter period.” The Department is issuing Minor Modification 1 which revises the expiration date to conform to five-year term requirement.

The following table identifies permit sections that have been modified:

PERMIT SECTION	PERMIT MODIFICATIONS:
New Title Page	NEW TITLE PAGE: The title page has been revised as follows: <ul style="list-style-type: none">(a) The fourth line in the title block has been changed to “GENERAL PERMIT – MINOR MODIFICATION 1”,(b) The permit effective date has been changed to “February 5, 2018”,(c) The permit expiration time and date of has been changed to “...at midnight on December 31, 2022”, and(d) The permit reapplication date for renewals has been changed to “December 1, 2022.”
Page 10, Section 1.7	CHANGED SECTION 1.7: Section text has been revised to “This permit will expire at midnight on December 31, 2022.”

This letter constitutes the Department’s Minor Modification of the above sections and is consistent with 18 AAC 83.145(a)(1).

This Minor Modification is effective February 5, 2018, and the expiration date of the permit has been changed to December 31, 2022. The enclosed modified permit pages must be included with onsite copies of the permit for reference.

If you have any questions regarding this letter, please feel free to contact Gerry Brown at Gerry.Brown@alaska.gov or (907) 269-4874.

Sincerely,



Wade Strickland,
Program Manager

CC: Amber Bennet, DEC – Compliance and Enforcement Program, Fairbanks
Lisa Hart, DEC – Compliance and Enforcement Program, Anchorage



**ALASKA POLLUTANT DISCHARGE ELIMINATION SYSTEM
AND
WASTEWATER DISPOSAL AUTHORIZATION
GENERAL PERMIT – MINOR MODIFICATION 1
AKG320000 - STATEWIDE OIL AND GAS PIPELINES**

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Wastewater Discharge Authorization Program

**555 Cordova Street
Anchorage, AK 99501**

In compliance with the provisions of the Clean Water Act (CWA), 33 U.S.C. §1251 et seq., as amended by the Water Quality Act of 1987, P.L. 100-4, this Permit is issued under provisions of Alaska Statutes (AS) 46.03; the Alaska Administrative Code (AAC) as amended; and other applicable State laws and regulations. The following discharges or disposals:

DISCHARGE/DISPOSAL NUMBER

001 (Discharge Only)
002 (Discharge Only)
003
004
005
006 (Discharge Only)
007 (Discharge Only)

DISCHARGES/DISPOSAL DISCRPTION

Drilling Fluids and Drill Cuttings
Domestic Wastewater
Gravel Pit Dewatering
Excavation Dewatering
Hydrostatic Test Water
Storm Water
Mobile Spill Response

may be authorized by this Permit. Owners and operators of pipelines, are authorized to discharge wastewater discharges to waters of the United States and are authorized to dispose of non-domestic wastewater onto lands (i.e., into groundwater) of the State of Alaska, only in accordance with effluent limits, monitoring requirements, and other conditions set forth herein.

**A COPY OF THIS GENERAL PERMIT
MUST BE KEPT AT THE SITE WHERE DISCHARGES/DISPOSALS OCCUR.**

This Permit is effective February 5, 2018.

This Permit and the authorization to discharge shall expire at midnight on December 31, 2022.

The permittee shall reapply for a permit authorization reissuance (renewals) on or before December 1, 2022, 30 days before the expiration of this permit.

Wade Strickland

Signature

Wade Strickland

Printed Name

February 5, 2018

Date

Program Manager

Title

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SCHEDULE OF SUBMISSIONS

The Schedule of Submissions summarizes some of the required submissions and activities the permittee must complete and/or submit to the Alaska Department of Environmental Conservation (DEC or the Department) during the term of this permit. The applicant is responsible for submitting the following to the Wastewater Discharge Authorization Program Permitting Section ^a.

Table 1: Schedule of Application Submissions – Notice of Intent (NOI)/Notice of Disposal (NOD)

Permit Sections	Submittal	Frequency	Due Date
1.5.1; 1.6.1	NOI/NOD for new applicants to obtain authorization to discharge or dispose under this Permit.	1/Permit cycle	90 days prior to discharge/disposal.
1.5.1; 1.6.2	NOI/NOD for existing permittees getting first time coverage under this Permit	1/Permit cycle	90 days after effective date of this Permit
1.5.1; 1.6.1	NOI/NOD to revise an existing authorization under this Permit.	As Needed	45 days prior to discharge/disposal
1.5.1; 1.6.4	NOI/NOD for administrative extension prior to Permit expiration for an existing authorization under the Permit.	1/Permit cycle	30 days before expiration
1.5.1.5	Plan Review Submitted for Domestic Wastewater for new facilities, if necessary.	1/initial authorization	90 days prior to discharge, with submittal of NOI
1.5.1.5	Plan Review Submitted for Nondomestic Wastewater for existing facilities, if necessary.	As Needed	45 days prior to discharge/disposal
1.5.1.3; 3.1.1	Written certification that the Quality Assurance Project Plan (QAPP) has been developed and implemented for new a facility.	1/initial authorization	Submit with NOI/NOD.
1.5.1.1; 3.4.1.1	Best Management Practices (BMP) Plan for a new authorization for DEC Files.	1/initial authorization	Submit with NOI/NOD
1.5.1.2; 3.5.1	Storm Water Pollution Prevention Plan (SWPPP) for a new authorization for DEC Files.	1/initial authorization	Submit SWPPP with NOI.
1.5.1.6; 3.2.1	Drilling Fluids Plan (DFP) for review and approval.	As Needed	90 days prior to discharge.
1.5.1.1; 3.4.1.1	Written Certification that the BMP Plan has been revised and is ready for implementation at the site for an existing authorization for DEC Files.	1/revised NOI/NOD	Submit with NOI/NOD.
1.5.1.2; 3.5.1	Written Certification that the SWPPP has been revised and is ready for implementation at the site for an existing authorization for DEC Files.	1/revised NOI/NOD	Submit with NOI/NOD.
1.6.8	Notice of Termination for an Authorization	As Appropriate	At least 30 days prior to requested date of termination.
1.6.7	Notice of Termination for Individual Outfalls	As Needed	Submit 45 days prior to termination of Outfall.
a) See Appendix A 1.1 for addresses.			

The applicant is responsible for all submissions and activities even if they are not summarized above.

The permittee is responsible for submitting the following reports and notifications to the DEC Compliance and Enforcement Program ^a.

Table 2: Schedule of Permittee Submissions – Reports, Certifications, Notifications, etc.

Permit Section	Submittal	Frequency	Due Date
2.10.1	Discharge Monitoring Report (DMR)	Monthly	Must be submitted no later than the 28 th of the following month. ^b
Appendix A 3.4.1.1	Oral notification of noncompliance	As Necessary	Within 24 hours from the time the permittee becomes aware of the circumstances of noncompliance
Appendix A 3.4.1.2	Written documentation of noncompliance	As Necessary	Within five days after the permittee becomes aware of the circumstances
3.1.6	Written certification that the QAPP has been reviewed and revised, if appropriate..	Annually	Must be submitted January 31 st following each calendar year.
3.4.2.4	Written Certification that the BMP Plan has been review and revised, if necessary.	Annually	Must be submitted January 31 st following each calendar year.
2.10.1.10; 2.10.1.11; 3.5.1	Written Certification that the SWPPP has been reviewed and revised, if necessary.	Annually	Must be submitted January 31 st following each calendar year.
2.10.1.11; 3.6.2	Semi-annual Operational SWPPP Pre-breakup & Post-break Inspection Certification.	Annually	Must be submitted January 31 st following each calendar year.
2.10.1.9	Land Disposal Annual Reports	Annually	Must be submitted January 31 st following each calendar year.
3.3	End of Drilling Reports or Request for Extension.	Annually	Must be submitted January 31 st following each calendar year.
a) See Appendix A 1.1 for addresses b) This due date supersedes the date shown in Standard Conditions Appendix A - Sections 3.2.1 and 3.2.3 on Page A-9.			

The permittee is responsible for all submissions and activities even if they are not summarized above.

1.0 PERMIT COVERAGE

1.1 Coverage and Eligibility

- 1.1.1** This Permit authorizes and sets conditions on pollutants from construction, operation, and maintenance activities for significant oil and gas pipelines discharged to waters of the United States (U.S.) or disposed to lands of the State.
- 1.1.2** This Permit will authorize discharges to fresh waters of the U.S. per 18 AAC 83 – Alaska Pollutant Discharge Elimination System (APDES) Program. The term “discharge” and “NOI” are used specifically for APDES permit requirements.
- 1.1.3** This Permit will authorize disposal into groundwater or onto lands of the State per Alaska Statutes (AS) 46.03.100 – Waste Management and Disposal Authorization and Alaska Administrative Code (AAC) 18 AAC 72 – Wastewater Disposal. The term “dispose or disposal” and “NOD” are used specifically for State permit requirements.
- 1.1.4** Automatic Disposal Authorizations to Land: Permittees with a current authorization are automatically authorized to dispose of Gravel Pit Dewatering (003), Excavation Dewatering (004), and Hydrostatic Test Water (005) without prior notification to the Department if: the disposal is less than 500,000 gallons per day (gpd); and the disposal is not within 1,500 feet of a contaminated site; and the disposal does not include the use of unapproved treatment chemicals, processes, or treatment systems (See Reporting Requirements Section 2.10.1.9).
- 1.1.5** New Permittees: Facilities with wastewater discharges or disposals within the Permit Area of Coverage that meet the criteria for coverage under this Permit will be granted coverage upon submittal of a complete NOI/NOD that reasonably demonstrates authorization under this Permit is appropriate per Section 1.5.
- 1.1.6** Existing Permittees: Facilities with an existing authorization or permit (i.e., AK0050563 – Alyeska Pipeline Services Company) must reapply by submitting an NOI/NOD per Section 1.5.1 to apply for Permit coverage required in Section 1.6.2.
- 1.1.7** Existing Authorizations: Existing authorizations may be revised by submitting a NOI/NOD. The revised NOI/NOD must detail new discharges/disposals requested. Revisions to the authorization may also require termination of existing outfalls per Section 1.6.7.
- 1.1.8** Applicants may request a mixing zone authorization from DEC by completing the mixing zone section of the NOI per Section 1.5.5.
- 1.1.9** Authorization to discharge or dispose wastewater under this Permit requires written notification from the Department that coverage has been granted, and if requested, mixing zones have been authorized, and that a specific general permit authorization number has been assigned to the operation. Revisions to authorizations also require written notification from the Department prior to discharge or disposal.

1.2 Authorized Wastewater Discharges and Disposals

1.2.1 This Permit authorizes and places conditions on wastewater discharges or disposals from activities that are related to pipeline construction and operations and maintenance. The Department must determine if the information submitted by the applicant seeking coverage under this Permit is in accordance with Section 1.5.

1.2.2 This Permit authorizes the following discharges from pipeline facilities:

<u>DISCHARGE/DISPOSAL NUMBER</u>	<u>DISCHARGES DESCRIPTION</u>
001 (Discharge Only)	Drilling Fluids and Drill Cuttings
002 (Discharge Only)	Domestic Wastewater
003	Gravel Pit Dewatering
004	Excavation Dewatering
005	Hydrostatic Test Water
006 (Discharge Only)	Storm Water
007 (Discharge Only)	Mobile Spill Response

1.3 Requiring an Individual Permit

1.3.1 The Department may require a permittee authorized to discharge under a general permit to apply for and obtain an individual permit, or any interested person may petition the Department to take this action. The Department may consider the issuance of an individual discharge permit when:

- 1.3.1.1** The single discharge or the cumulative number of discharges is/are a significant contributor of pollution;
- 1.3.1.2** The permittee is not in compliance with or could not meet the terms and conditions of this Permit;
- 1.3.1.3** A change has occurred in the availability of demonstrated technology or practices for the control or abatement of pollutants applicable to the point source;
- 1.3.1.4** Effluent limit guidelines are subsequently promulgated for the point sources covered by this Permit;
- 1.3.1.5** A Total Maximum Daily Load and corresponding wasteload allocation have been completed for a waterbody or a segment of a waterbody;
- 1.3.1.6** Circumstances have changed since the time of the request to be covered so that the permittee is no longer appropriately controlled under the GP, or either a temporary or permanent reduction or elimination of the authorized discharge is necessary; or

1.3.2 The Department may require a permittee authorized to dispose under a general permit to apply for and obtain an individual permit or other wastewater authorization, or any interested person may petition the Department to take this action. The Department may consider the issuance of an individual disposal permit when:

- 1.3.2.1** The disposal does not meet the requirements for a general permit;
- 1.3.2.2** The disposal contributes to pollution or causes an adverse impact on public health or water quality;

- 1.3.2.3** A change has occurred in the availability of demonstrated technology or practices for the control or abatement of pollution contained in the disposal;
- 1.3.2.4** The public health, public and private water systems, and the environment are not adequately protected.
- 1.3.3** The Department will notify the applicant in writing by certified mail that an individual permit application is required. If an applicant fails to submit an individual permit application by the date required in the notification, coverage under this Permit is automatically terminated at the end of the day specified for application submittal.
- 1.3.4** Any permittee authorized by this Permit may request to be excluded from the coverage by applying for an individual permit. The permittee shall submit an individual permit application with reasons supporting the request to the Department at the address in Appendix A, Part 1.1.1.
- 1.3.5** When an individual permit is issued to a permittee otherwise covered by this Permit, the applicability of this Permit to the permittee is automatically terminated on the effective date of the individual permit.
- 1.3.6** When an individual permit is denied to a permittee otherwise covered by this Permit, the permittee is automatically reinstated under this Permit on the date of such denial, unless the permittee cannot meet the conditions of this Permit or otherwise specified by the Department.
- 1.3.7** An applicant excluded from this Permit solely because it already has an individual permit may request that the individual permit be revoked and that it be covered by this Permit. Upon revocation of the individual permit, and if the permittee can comply with the terms of this Permit, then this Permit shall apply to the permittee.

1.4 Prohibitions

- 1.4.1** The discharge of any pollutant that is not expressly authorized in this Permit is prohibited.
- 1.4.2** The discharge or disposal of any waste streams, including spills and other unintentional or non-routine discharges of pollutants, that are not part of the normal operation of the facility is prohibited.
- 1.4.3** This Permit prohibits the discharge to any receiving water that is listed on the CWA Section 303(d) list as impaired for failure to meet a water quality standard (WQS) and the facility discharges a pollutant that causes or contributes to the impairment.
- 1.4.4** Discharges to marine waters are not authorized by this Permit.
- 1.4.5** The discharge of diesel fuel, non-aqueous drilling fluids, and mineral oil pills (mineral oil plus additives) is prohibited.
- 1.4.6** The discharge of maintenance waste such as removed paint and materials associated with surface preparation and coating application is prohibited.

1.4.7 Prohibition of Reportable Quantities and Contaminated Storm Water: Storm water discharges with reportable quantities for which notification is or was required per 40 CFR § 117.21, 40 CFR § 302.6, or 40 CFR § 110.6 or any storm water that contributes to a violation of a water quality standard [40 CFR § 122.26(c)(1)(iii)] is prohibited. If a sheen has been reported, or a spill has occurred, in a secondary containment area (SCA) the contaminated water cannot be discharged as storm water. The permittee must verify by confirmation sampling that the affected SCA water does not exceed water quality for total aromatic hydrocarbons (TAH) and total aqueous hydrocarbons (TAqH) prior to reinitiating a storm water discharge from that SCA after observation of a sheen or spill (See Section 3.5 and definitions of contaminated and uncontaminated SCAs in Appendix C).

1.5 NOI/NOD Requirements, Review and, Permit Coverage Determination Process

1.5.1 Applicants shall submit a complete NOI/NOD Form (ATTACHMENT 1). The following must be attached to the NOI/NOD, if applicable, for it to be deemed administratively complete:

- 1.5.1.1** BMP Plan: First time applicants seeking a written discharge or disposal authorization per 1.1.5, or existing permittees required to reapply per Section 1.1.6, are required to develop a BMP Plan (Section 3.4) and submit with the NOI/NOD for DEC files. For subsequent years of operation, applicants that have previously been authorized to discharge under this Permit must certify that the BMP plan was reviewed and any necessary revisions to reflect planned operations were made and implemented.
- 1.5.1.2** SWPPP: First time applicants seeking a written discharge authorization for storm water are required to develop and implement a SWPPP (Section 3.5 or 3.6) that must be submitted with the first NOI for DEC files. A SWPPP satisfies BMP Plan requirements for storm water discharges authorized under this Permit. For subsequent years of operation, applicants that have previously been authorized to discharge storm water under this Permit must certify that the SWPPP was reviewed and any necessary revisions to reflect planned operations were made and implemented.
- 1.5.1.3** QAPP: First time applicants seeking a written discharge or disposal authorization are required to develop and implement a QAPP (Section 3.1). A certification that the QAPP has been developed and is ready for implementing must be submitted with the first NOI/NOD for DEC files. For subsequent years of operation, applicants that have previously been authorized to discharge under this Permit must submit a QAPP certification statement annually.
- 1.5.1.4** Vicinity Maps and Site Plans: A vicinity map depicting the general location(s) of the discharge or disposal activities must be submitted with the NOI. The applicant must also provide site plans, when applicable, that provides details of the area of operations, the latitude and longitude of proposed discharge or disposal locations, and other information as described on the NOI/NOD Form.
- 1.5.1.5** Plan Submittals per most recent version of 18 AAC 72: If a plan submittal is determined to be required, the applicant must submit plans for Department review. Department approval may be required prior to authorizing a discharge or disposal.

- 1.5.1.6** DFP: The applicant must provide information that describes the nature of the drilling fluid system in order for the Department to classify the fluids system as an A1, A2, or A3 fluid per Appendix C - Definitions. Sediment Particulate Phase (SPP) toxicity characterization may be determined by estimation (Sprague and Logan, 1979) or by testing using EPA Method 1619. Applicants seeking a written discharge authorization for inadvertent releases of drilling fluids and drill cuttings during drilling are required to develop a DFP for Class A2 and A3 drilling fluids (Section 3.2) that must be submitted with the NOI. DEC will review the plan and may provide written comments on the DFP to ensure compliance under this Permit.
- 1.5.2** The Department will review an NOI/NOD for completeness and accuracy. If an NOI/NOD is found to be technically incomplete, the Department will notify the applicant of the needed changes to the NOI/NOD submittal.
- 1.5.3** The Department will make a determination regarding the appropriateness of granting Permit coverage at a proposed discharge or disposal location or area of operation.
- 1.5.4** Initial location coordinates provided in the NOI/NOD may be modified in the field based on unforeseen conditions so long as the relocation is within the area described on the detailed site plan and would not have resulted in disapproving it as the original discharge or disposal location (e.g., proximity to spawning redds).
- 1.5.5** The Department will, based on the mixing zone request submitted with the NOI, make a determination as to whether a 500-foot mixing zone is appropriate at the proposed discharge location for an advertent Drilling Fluids (001), Gravel Pit Dewater (003), and Excavation Dewatering (004).
- 1.5.6** The Department will, based on the applicant's submittal, make a determination of whether the discharge or disposal is appropriate for authorization under this Permit or would require application for an individual APDES permit or different authorization under AS 46.03.100 per Section 1.3 or 1.4.
- 1.5.7** Upon completion of the NOI/NOD review, the Department will do one of the following:
- 1.5.7.1** Prepare and transmit a written authorization of coverage specifying:
 - 1.5.7.1.1** The general area of coverage, a list of authorized outfalls (discharge or disposal numbers), and any other conditions necessary to comply with this Permit, and
 - 1.5.7.1.2** Whether a regulatory mixing zone is authorized for specific discharges.
 - 1.5.7.2** Notify the applicant of required revisions to the NOI/NOD submittal; or
 - 1.5.7.3** Deny coverage under this Permit and require an applicant to submit an individual permit application.

1.6 Notification Requirements

- 1.6.1** Notification must be made at least 90 days prior to discharge or disposal from new facilities during first year of operations and at least 45 days prior to discharge or disposal for revising existing authorizations.

- 1.6.2** Existing Permittees: Existing permittees with an existing authorization or permit (i.e., AK0050563 – Alyeska Pipeline Services Company) must reapply by submitting an NOI/NOD within 90 days of the effective date of this Permit. The existing permittee should submit an NOI/NOD for revising an authorization 45 days prior to discharge.
- 1.6.3** Expedited Authorizations: In situations where immediate response is needed to inspect a pipeline or to conduct emergency repairs, an existing permittee may contact DEC to request an expedited NOI/NOD review and authorization.
- 1.6.4** A permittee seeking to continue coverage under the Permit must submit a new NOI/NOD at least 30 days prior to the expiration of this Permit, as described in Appendix A, Part 1.3.
- 1.6.5** The NOI/NOD shall be signed by the owner, or other signatory authority, in accordance with Appendix A, Part 1.12 (Signature Requirements), and a copy must be retained on site in accordance with Appendix A, Part 1.11 (Monitoring and Records).
- 1.6.6** Applicant must submit NOI/NODs to the Department at the address in Appendix A, Section 1.1.1.
- 1.6.7** Termination of Outfalls in Existing Authorizations: Specific outfalls in existing authorizations may be terminated by submitting a certified notice of termination (NOT) to DEC within 45 days of the requested termination date. The permittee must certify in the NOT that the requirements for terminating the outfalls have been met (See Attachment 3). If the request to terminate is associated with an NOI/NOD to revise an existing authorization, the NOT should be submitted with NOI/NOD. The permittee must continue to monitor and report for outfalls until they are terminated.
- 1.6.8** Termination of Authorizations: An existing authorization may be terminated by submitting a certified NOT form to DEC that demonstrates the requirements for termination have been met (See Attachment 3 – NOT Form).
- 1.6.9** Termination is effective upon receiving written notification from the Department.

1.7 Permit Expiration

This Permit will expire at midnight on December 31, 2022.

2.0 LIMITS AND MONITORING REQUIREMENTS

2.1 Requirements for all Discharges or Disposals

- 2.1.1** During the effective period of this Permit, the permittee is authorized to discharge or dispose pollutants within the area of coverage set forth in Sections 1.1.1 and 1.1.2, in accordance with the limits and conditions set forth herein.
- 2.1.2** This Permit authorizes the discharge of only those pollutants resulting from waste streams, and operations that have been clearly identified in the NOI and this Permit and issued a written authorization by the Department.
- 2.1.3** When applying effluent limits to commingled discharges, the more stringent effluent limits apply to the commingled discharge. If a commingled waste stream is not authorized per Section 2.1.2, then the commingled discharge is not authorized.

- 2.1.4 The permittee must collect all effluent samples from the effluent stream of each discharge or disposal after the last treatment unit prior to discharge into the receiving waters or disposal to land, except as otherwise required by discharge/disposal-specific sections of this Permit.
- 2.1.5 All discharges, whether alone or in combination, must not make the water unfit or unsafe; cause a film, sheen, or discoloration on the water surface or adjoining shoreline; cause leaching of toxic or deleterious substance, or cause a sludge, solid, or emulsion to be deposited beneath or upon the water surface, water column, on the bottom, or adjoining shoreline.
- 2.1.6 The permittee must comply with the effluent limits in this Permit at all times unless otherwise indicated, regardless of the frequency of monitoring or reporting required by other provisions of this Permit.
- 2.1.7 If requested, the permittee must provide DEC with a sample of any waste stream in the manner specified by DEC as soon as practicable after the request.
- 2.1.8 Materials such as removed paint and materials associated with surface preparation must be contained to the maximum extent practicable using vacuum abrasive blasting, covering grated areas with plywood, surrounding the area with canvas tarps, and similar measures to capture as much material as practicable. All collected material must be disposed in an appropriate manner. Prior to conducting sandblasting or similar maintenance activities, the permittee must develop and implement a BMP Plan for minimization and containment of the waste material to prevent it from being discharged to Waters of the U.S.

2.2 Effluent Limitations and Monitoring Requirements Drilling Fluids and Drill Cuttings (Discharge 001)

- 2.2.1 The inadvertent discharge of drilling fluids and drill cuttings is authorized from drilling activities if the following information has been submitted and evaluated.
 - 2.2.1.1 Class A2 and A3 drilling fluids require a DFP per Section 3.2 to be submitted with the NOI.
 - 2.2.1.2 Class A3 drilling fluids requires the results of a metals analysis of stock barite to be submitted with the NOI.
- 2.2.2 In addition to requirements in Section 2.1, the permittee must comply with the effluent limitations and monitoring requirements in Table 3.

Table 3: Effluent Limitations and Monitoring Requirements for Drilling Fluids and Drill Cuttings (Discharge 001).

Parameter (Units)	Effluent Limits	Monitoring Requirements		
		Frequency	Location	Sample Type
Flow Volume ¹ (gpd)	Report	Daily	Effluent	24-hour Estimate
Turbidity (NTU)	Report	Daily	Upgradient ²	Grab
Turbidity (NTU) No Mixing Zone	5 NTU above ambient ³	Daily	Point of Emergence	Grab
Turbidity (NTU) Mixing Zone	5 NTU above ambient ⁴	Daily	Downstream	Grab
Oil and Grease Visual ⁵	No Discharge	Daily	Fluid System	Grab
Oil and Grease Visual	No Discharge	Daily	Receiving Water	Observation
Notes: 1. Monitor volume of drilling fluids lost during an inadvertent release daily while fluid loss occurs. Report maximum daily volume loss on the DMR. Report total volume lost in the end of drilling report. 2. Upstream monitoring provides ambient turbidity measurement for compliance calculations. 3. If a mixing zone is not authorized, effluent turbidity may not exceed 5 NTU above ambient conditions at the point of emergence when the ambient turbidity is 50 NTU or less. When the ambient condition is greater than 50 NTU, turbidity shall not to exceed more than a 10 % increase up to a maximum increase of 15 NTU. Turbidity shall not exceed 5 NTU over natural conditions for all lake waters. Report downgradient turbidity on DMR for information only. 4. If a mixing zone is authorized, turbidity may not exceed 5 NTU above ambient conditions, 500 feet downstream of the discharge when the ambient turbidity is 50 NTU or less. When the ambient condition is greater than 50 NTU, turbidity shall not to exceed more than a 10 % increase up to a maximum increase of 15 NTU. Turbidity shall not exceed 5 NTU over natural conditions for lake waters. 5. Static Sheen Test per EPA Method 1617.				

2.2.2.1 End of Drilling (EOD) Report: In addition to submitting monthly DMRs, at the conclusion of the drilling, the Permittee must submit an EOD Report summarizing the field activities and any discharges of inadvertent releases (See Section 3.3). The EOD Report must include the total volume of fluids and additives that were used and the amount lost to the formation or receiving water. If an inadvertent release occurred, submit in the EOD Report a copy of the daily field log, summary of agency communications, and mitigations measures taken.

If a drilling Program is delayed, provide a notice on by the report due date that project has been extended and the final report will be pending upon completion of the drilling at a later time. If the drilling is not completed, the Permittee must submit a report for the period prior to terminating the Program.

2.2.2.2 Specific BMPs: The permittee must develop and implement specific BMPs that reduce, or eliminate the volume of inadvertently released drilling fluids and drill cuttings. The BMPs must address methods of reducing the release in order to comply with the 500 foot mixing zone, if authorized. In addition, the BMPs must include agency notification procedures, mitigation measures, instream monitoring, or other procedures to maintain compliance with this Permit and protect the environment. If a DFP is required, the DFP may include sections that comply with the BMP and QAPP requirements.

2.3 Effluent Limitations and Monitoring Requirements Domestic Wastewater (Discharge 002)

2.3.1 In addition to the restrictions set out in Section 2.1, the permittee must comply with the effluent limitations and monitoring requirements in Table 4.

Table 4: Effluent Limits and Monitoring Requirements for Domestic Wastewater (Discharge 002)

Parameter (Units)	Effluent Limits		Monitoring Requirements		
	AML	MDL	Frequency	Location	Sample Type
Flow Rate (gallons per day (gpd))	Report	Report	daily	Effluent	Measure
pH ¹ (Standard Units (SU))	6.5 - 8.5		1/week	Effluent	Grab
Total Residual Chlorine (TRC) ² (micrograms per liter (µg/L))	11	19	1/week	Effluent	Grab
Five-day Biochemical Oxygen Demand (BOD ₅) (milligram per liter (mg/L))	30	60	1/month	Effluent	Grab
Total Suspended Solids (TSS) (mg/L)	30	60	1/month	Effluent	Grab
Fecal Coliform Bacteria (FC) ^{3, 4} (FC Count per 100 milliliters (#/100ml))	20	40	1/month	Effluent	Grab
Escherichia coli Bacteria (E. coli) (#/100ml)	Report		1/quarter	Effluent	Grab
Notes: 1. The effluent limit for pH shall be between 6.5 and 8.5. Report maximum and minimum for each month. 2. Monitoring for chlorine is not required if chlorine is not used as a disinfectant or introduced elsewhere in the treatment process. The TRC limit is measured immediately prior to discharge. The method detection limit for TRC is 100 µg/L (using approved EPA analytical methods) and will be used as the compliance level for TRC. 3. All effluent FC bacteria average results must be reported as the geometric mean. When calculating the geometric mean, replace all results of zero, 0, with a one. The geometric mean of “n” quantities is the “n th ” root of the quantities. For example the geometric mean of FC bacteria results of 10, 20, and 30 is (10 x 20 x 30) ^{1/3} = 18.2. 4. Compliance with FC bacteria MDL using multiple samples is by demonstrating the calculated 90 th percentile of the samples is less than or equal to 40 FC #/100ml.					

2.3.1.1 E. coli is water quality criteria anticipated to be promulgated during the next Permit cycle. E. coli reporting is required to collect information that may be used during the next reissuance.

2.3.1.2 Compliance with the MDL for FC bacteria may be determined using a calculated 90th percentile of a dataset using spreadsheet equations (e.g., “=percentile.inc[array,k]”) or hand calculations methods. The method must be included in the QAPP and described on the affected DMR.

2.4 Effluent Limitations and Monitoring Requirements Gravel Pit Dewatering (Discharge 003)

2.4.1 In addition to the restrictions set out in Section 2.1, the permittee must comply with the effluent limitations and monitoring requirements in Table 5.

Table 5: Effluent Limits and Monitoring Requirements for Gravel Pit Dewatering (Discharge 003)

Parameter (Units)	Effluent Limits	Monitoring Requirements		
		Frequency	Location	Sample Type
Flow Volume ¹ (gpd)	Report	Daily	Effluent	Estimate or Measured
pH ² (S.U.)	6.5 - 8.5	Weekly	Effluent	Grab
Settleable Solids (SS) ³ milliliter per liter (mL/L)))	0.2	Weekly	Effluent	Grab
Turbidity (Nephelometric Turbidity Units (NTU))	Report	Weekly	Upgradient ⁴	Grab
Turbidity (NTU) No Mixing Zone	5 NTU above ambient ⁵	Weekly	Effluent	Grab
Turbidity (NTU) Mixing Zone	5 NTU above ambient ⁶	Weekly	Downgradient	Grab
Oil and Grease Visual ⁷	No Discharge	Daily	Effluent	Visual
Total Aromatic Hydrocarbons (TAH) ⁸ (µg/L)	Report	Once per event	Effluent	Grab
Total Aqueous Hydrocarbons (TAQH) ⁸ (µg/L)	Report	Once per event	Effluent	Grab
Notes: 1. Record daily flow measurements, or estimates, in daily log. Report daily maximum for the month on the DMR and total monthly volumes in the comments section. 2. The effluent limit for pH shall be between 6.5 and 8.5. Report maximum and minimum for each month. 3. As measured using Imhoff Cone. 4. If measurement of upgradient and downgradient receiving water turbidity is not possible, then turbidity limits are not applicable. Report “Not Applicable” (N/A) for all turbidity measurements and provide comment as to why receiving water turbidity measurement is not possible. 5. If mixing zone is not authorized, effluent turbidity may not exceed 5 NTU above ambient conditions when the ambient turbidity is 50 NTU or less. When the ambient condition is greater than 50 NTU, effluent shall not to exceed more than a 10 % increase up to a maximum increase of 15 NTU. For lake waters, turbidity may not exceed 5 NTUs above ambient turbidity. 6. If mixing zone is authorized, turbidity may not exceed 5 NTU above ambient conditions 500 feet downstream of the discharge when the ambient turbidity is 50 NTU or less. When the ambient condition is greater than 50 NTU, effluent shall not to exceed more than a 10 % increase up to a maximum increase of 15 NTU. For lake waters, turbidity may not exceed 5 NTUs above ambient turbidity. Report effluent turbidity on DMR for information only. 7. Observed daily while discharging. Maintain daily log and provide to DEC upon request. 8. An observation of a sheen triggers monitoring for TAH and TAQH. Permittee must collect one sample per event when an observation of a sheen has occurred.				

- 2.4.1.1** Flow Volumes: Intermittent discharges from gravel pit dewatering must be estimated or measured to determine daily flow volumes and be recorded in operating logs along with daily observations for sheen. Daily logs must be kept onsite and made available upon request by DEC.
- 2.4.1.2** Specific BMPs: The permittee must develop and implement, when necessary specific BMPs to prevent sedimentation, erosion, or thermokarsts at the point of discharge and downstream. In addition, the permittee must develop specific BMPs that may be needed to ensure

compliance with the 500-foot mixing zone, if authorized. Alternatively, the applicant may request an additional discharge location and mixing zone for Department consideration via revised NOI.

2.5 Effluent Limitations and Requirements Excavation Dewatering (Discharge 004)

2.5.1 In addition to the restrictions set out in Section 2.1, the permittee must comply with the effluent limitations and monitoring requirements in Table 6.

Table 6: Effluent Limits and Monitoring Requirements for Excavation Dewatering (Discharge 004)

Parameter (Units)	Effluent Limits	Monitoring Requirements		
		Frequency	Location	Sample Type
Flow Volume ¹ (gpd)	Report	Daily	Effluent	Estimate or Measured
pH ² (S.U.)	6.5 - 8.5	Weekly	Effluent	Grab
SS ³ (mL/L)	0.2	Weekly	Effluent	Grab
Turbidity (NTU)	Report	Weekly	Upgradient ⁴	Grab
Turbidity (NTU) No Mixing Zone	5 NTU above ambient ⁵	Weekly	Effluent	Grab
Turbidity (NTU) Mixing Zone	5 NTU above ambient ⁶	Weekly	Downgradient	Grab
Oil and Grease Visual ⁷	No Discharge	Daily	Effluent	Visual
TAH ⁸ (µg/L)	Report	Once per event	Effluent	Grab
TAqH ⁸ (µg/L)	Report	Once per event	Effluent	Grab
Notes: 1. Record daily flow measurements, or estimates, in daily log. Report daily maximum for the month on the DMR and total monthly volumes in the comments section. 2. The effluent limit for pH shall be between 6.5 and 8.5. Report maximum and minimum for each month. 3. As measured using Imhoff Cone. 4. If measurement of upgradient and downgradient receiving water turbidity is not possible, then turbidity limits are not applicable. Report "Not Applicable" (N/A) for all turbidity measurements and provide comment as to why receiving water turbidity measurement is not possible. 5. If a mixing zone is not authorized, effluent turbidity may not exceed 5 NTU above ambient conditions when the ambient turbidity is 50 NTU or less. When the ambient condition is greater than 50 NTU, effluent shall not to exceed more than a 10 % increase up to a maximum increase of 15 NTU. For lake waters, turbidity may not exceed 5 NTUs above ambient turbidity. Report downgradient turbidity on DMR for information only. 6. If mixing zone is authorized, turbidity may not exceed 5 NTU above ambient conditions 500 feet downstream of the discharge when the ambient turbidity is 50 NTU or less. When the ambient condition is greater than 50 NTU, effluent shall not to exceed more than a 10 % increase up to a maximum increase of 15 NTU. For lake waters, turbidity may not exceed 5 NTUs above ambient turbidity. Report effluent turbidity on DMR for information only. 7. Observed daily while discharging. Maintain daily log and provide to DEC upon request. 8. An observation of a sheen triggers monitoring for TAH and TAqH. Permittee must collect one sample per event when an observation of a sheen has occurred.				

2.5.1.1 Flow Volumes: Intermittent discharges or disposals from excavation dewatering must be estimated or measured to determine daily flow volumes and be recorded in operating logs along with daily observations for sheen. Daily logs must be kept onsite and made available upon request by DEC.

- 2.5.1.2** Specific BMPs: The permittee must develop and implement, when necessary specific BMPs to prevent sedimentation, erosion, or thermokarsts at the point of discharge and downstream. In addition, the permittee must develop specific BMPs that may be needed to ensure compliance with the 500-foot mixing zone, if authorized. Alternatively, an additional discharge location and mixing zone may be requested for Department consideration.

2.6 Effluent Limitations and Requirements Hydrostatic Test Water (Discharge 005)

- 2.6.1** In addition to the restrictions set out in Section 2.1, the permittee must comply with the effluent limitations and monitoring requirements in Table 7.

Table 7: Effluent Limitations and Requirements for Hydrostatic Test Water (Discharge 005)

Parameter (Units)	Effluent Limits	Monitoring Requirements		
		Frequency	Location	Sample Type
Flow Volumes ¹ (gpd)	Report	Daily	Effluent	Estimate or Measured
pH ² (S.U.)	6.5 - 8.5	Daily	Effluent	Grab
SS ³ (mL/L)	0.2	Daily	Effluent	Grab
Turbidity (NTU)	Report	Daily	Upgradient ⁴	Grab
Turbidity (NTU) No Mixing Zone	5 NTU above ambient ⁵	Daily	Effluent	Grab
Oil and Grease Visual ⁶	No Discharge	Daily	Effluent	Visual
TAH ⁷ (µg/L) New or Non-hydrocarbon	Report	Once per event	Effluent	Grab
TAqH ⁷ (µg/L) New or Non-hydrocarbon	Report	Once per event	Effluent	Grab
TAH ⁸ (µg/L) Existing Hydrocarbon	10	Per Discharge	Effluent	Grab or Composite
TAqH ⁸ (µg/L) Existing Hydrocarbon	15	Per Discharge	Effluent	Grab or Composite
Notes: 1. Record daily flow measurements, or estimates, in daily log. Report daily maximum for the month on the DMR and total monthly volumes in the comments section. 2. The effluent limit for pH shall be between 6.5 and 8.5. Report maximum and minimum for each month. 3. As measured using Imhoff Cone. 4. If measurement of upgradient receiving water turbidity is not possible, then turbidity limits are not applicable. Report "Not Applicable" (N/A) for all turbidity measurements and provide comment as to why receiving water turbidity measurement is not possible. 5. Effluent turbidity may not exceed 5 NTU above ambient conditions when the ambient turbidity is 50 NTU or less. When the ambient condition is greater than 50 NTU, effluent shall not to exceed more than a 10 % increase up to a maximum increase of 15 NTU. For lake waters, turbidity may not exceed 5 NTUs above ambient turbidity. 6. Observed daily while discharging. Maintain daily log and provide to DEC upon request. 7. Water from new oil and gas or non-oil and gas infrastructure is not anticipated to have dissolved hydrocarbons. However, an observation of a sheen triggers monitoring for TAH and TAqH. Permittee must collect one representative sample per event when an observation of a sheen has occurred. 8. Existing infrastructure that has known to been in contact with petroleum is anticipated to have dissolved hydrocarbons. Permittee may collect a single representative grab sample for volumes less than or equal to 500,000 gallons. Permittees discharging greater than 500,000 gallons must collect a composite sample of 8 grab samples collected at equal intervals during the discharge event as described in the QAPP.				

- 2.6.1.1** Flow Volumes: Discharges or disposal of hydrostatic test water must be estimated or measured to determine daily flow volumes and be recorded in operating logs along with daily observations for sheen. Daily logs must be kept onsite and made available upon request by DEC.
- 2.6.1.2** Specific BMPs: The permittee must develop and implement, when necessary, specific BMPs to prevent sedimentation, erosion, or thermokarsts at the point of discharge and downstream. In addition, the permittee must develop BMPs to address procedures in the event of observing a sheen in the discharge.
- 2.6.1.3** The use of biocides or antifreeze in hydrostatic test water is prohibited.

2.7 Effluent Limitations and Monitoring Requirements Mobile Spill Response (Discharge 007)

- 2.7.1** Discharge of mobile spill response requires use of an approved treatment procedure or system (e.g., scrubber unit). The applicant must submit treatment processes or system information that demonstrates adequate removal of dissolved hydrocarbons to the Department. The system may be approved and adopted in the BMP Toolkit along with other BMPs that ensure the system is properly operated and maintained to sustain treatment performance.
- 2.7.2** In addition to the restrictions set out in Section 2.1, the permittee must comply with the effluent limitations and monitoring requirements in Table 8.

Table 8: Effluent Limitations and Monitoring Requirements for Mobile Spill Response (Discharge 007)

Parameter	Effluent Limits	Monitoring Requirements		
		Monitoring Frequency	Monitoring Location	Sample Type
Volume ¹ (gpd)	Report	Daily	Effluent	24-hour Estimate
Oil and Grease Visual ²	No Discharge	Daily	Effluent	Visual
Notes: 1. The Permittee must track discharges greater than 25 gallons and report total volumes on monthly DMRs. 2. A visual observation for sheen must be conducted daily when discharging.				

- 2.7.2.1** Flow Volume: The permittee must monitor discharges for sheens and estimate and record discharge volumes and record in an operation log located at the discharge location. However, the permittee need only estimate and report on individual discharge volumes greater than 25 gallons. The permittee must provide the operating log to DEC upon request.
- 2.7.2.2** Specific BMPs: The permittee must develop and implement, when necessary specific BMPs to prevent sedimentation, erosion, or thermokarsts at the point of discharge and downstream. In addition, the permittee must develop BMPs to address cessation of discharge and corrective actions, operation, and maintenance of treatment system in the event of an observed sheen.

2.8 Land Disposal Limitations and Monitoring Requirements

2.8.1 In addition to the restrictions applicable to land disposal set out in Section 2.1, the permittee must comply with the effluent limitations and monitoring requirements for land disposals in Table 9.

Table 9: Disposal Limitations and Monitoring Requirements Gravel Pit Dewatering (003), Excavation Dewatering (004), and Hydrostatic Testing (005)

Parameter (Units)	Effluent Limits	Monitoring Requirements		
		Frequency	Location	Sample Type
Flow Volume ¹ (gpd)	Report	Daily	Effluent	Estimate or Measured
Oil and Grease Visual	No Discharge	Daily	Effluent	Visual
Notes: 1. Flow rates and volumes may be measured or estimated and must be reported in a daily log. Report daily maximum for each month and total monthly volumes for each disposal location to DEC per Section 2.10.1.9.				

- 2.8.1.1** Flow Volume: The permittee must measure, or estimate, disposal volumes for Gravel Pit Dewatering, Excavation Dewatering, and Hydrostatic Test Water and record volumes and observations for shown in an operation log maintained at the disposal location. The permittee must submit annual reports that include daily maximums for each month and total monthly volumes for each disposal location per Section 2.10.1.9.
- 2.8.1.2** Sediment and Erosion Control: The permittee must observe for sediment and erosion at the disposal area each day while disposing and implement sedimentation, erosion, and thermokarst BMPs as necessary per Section 3.4.4.3. The permittee must include observations of sediment, erosion, and thermokarsting in daily logs and include these logs in the annual report required in Section 2.10.1.9, including BMPs implemented to control sedimentation, erosion, and thermokarsting.
- 2.8.1.3** Daily Logs and Automatic Authorizations: Daily logs are required for all disposals. For disposals less than 500,000 gpd where automatic authorization is claimed, the first page of the daily log must self-identify that the automatic authorization is in effect and that disposals equal to or greater than 500,000 trigger cessation of disposal activities until an authorization has been issued by DEC. The daily log must be kept at the disposal location and made available upon request.

2.9 Monitoring Requirements

- 2.9.1** Test procedures used for sample analysis shall conform to methods cited in 18 AAC 70.020(c), as amended. The permittee may substitute alternative methods of monitoring or analysis upon receipt of prior written approval from the Department.
- 2.9.2** The permittee shall use current calibrated equipment when taking field measurements and shall use bottles and sampling procedures provided by a laboratory when taking samples for laboratory analysis.

- 2.9.3** Samples and measurements shall be representative of the volume and nature of the monitored discharge.
- 2.9.4** Additional monitoring parameters and increased monitoring frequency may be required by the Department on a case-by-case basis.
- 2.9.5** If the permittee monitors any influent, effluent, or surface water characteristic identified in this Permit more frequently than required, the results of such monitoring shall be reported to the Department in the monitoring report required under Section 2.10.1.1.
- 2.9.6** Daily Records: All flow monitoring results shall be recorded daily. The permittee shall maintain records of all information resulting from any visual inspections, including documentation of visual observation(s) of floating solids, foam, garbage, and oily sheen for three years.

2.10 Reporting of Monitoring Requirements

2.10.1 Discharge Monitoring Reports

- 2.10.1.1** Monitoring required in Section 2.2 Table 3 through Table 9 (Discharges 001 through 007, except discharge 006) shall be summarized each month on the DEC DMR Form to be provided with the permittees authorization or a Department-approved equivalent that provides the same information in a similar format.
- 2.10.1.2** This Permit requires the permittee to submit DMRs required in Section 2.10.1.1 even for months when discharges do not occur. The Permittee must submit a DMR with the box checked indicating no discharge has occurred.
- 2.10.1.3** The submitted DMR must be postmarked, faxed, e-mailed, or signed electronically by the 28th day of the following calendar month to DEC at the address in Appendix A, Part 1.1.2.
- 2.10.1.4** Upon Department implementation, the Permittee is responsible for electronically submitting DMRs and other reports in accordance with 40 CFR § 127. The start dates for e-reporting are provided in 40 CFR § 127.16. DEC has established a website at <http://dec.alaska.gov/water/Compliance/EReportingRule.htm> that contains general information.
- 2.10.1.5** The permittee must sign and certify all DMRs, reports, and other submittals in accordance with signatory requirements in Section 1.12 of Appendix A – Standard Conditions.
- 2.10.1.6** For all effluent monitoring, with the exception of total residual chlorine, the permittee must use EPA-approved methods under 40 CFR § 136, adopted by reference at 18 AAC 83.010(f), that can achieve a method detection limit less than the effluent limit. For a parameter without an effluent limit in this Permit, the permittee must use the most sensitive method detection limit from an EPA-approved analytical test method necessary for compliance monitoring. The permittee must use an EPA-approved test method for total residual chlorine monitoring, but in this Permit, sample concentrations below the method detection limit of the EPA-approved method used or 0.1 mg/L, whichever is lower, will be considered the compliance limit.

- 2.10.1.7** For purposes of reporting on the DMR for a single sample, if a value is less than the method detection limit, the permittee must report “less than [numeric value of the method detection limit],” and if a value is less than a minimum level (ML) ,the permittee must report “less than [numeric value of ML].”
- 2.10.1.8** For purposes of calculating a monthly average, zero (0) may be assigned for a value less than the method detection limit, and [numeric value of the method detection limit] may be assigned for a value between the method detection limit and the ML. If the average value is less than the method detection limit, the permittee must report “less than [numeric value of the method detection limit],” and if the average value is less than the ML, the permittee must report “less than [numeric value of ML].” If a value is equal to or greater than the ML, the permittee must report and use the actual value. The resulting average value must be compared to the compliance level, ML, in assessing compliance.
- 2.10.1.9** For all disposals whether or not they are less than (<) 500,000-gallons for Gravel Pit Dewatering (003), Excavation Dewatering (004), and Hydrostatic Test Water (005), the permittee must submit an annual report documenting disposal volumes, locations, and documentation demonstrating the disposal was to upland areas (e.g., site plans or wetland delineation maps) by January 31st of the following year. Annual disposal reports are not applicable to 40 CFR § 127 and must be submitted either electronically via email or mail per Appendix A, Part 1.1.2.
- 2.10.1.10** For Construction Storm Water, the permittee must submit an annual certification that the SWPPP is being revised and implemented per Section 3.5.1.
- 2.10.1.11** For Operational Storm Water, the permittee must submit an annual certification that the SWPPP is being reviewed and revised, if needed, and implemented per Section 3.6.2. In addition, the permittee must submit certification that the semi-annual SWPPP inspection was conducted per Section 3.6.2.

2.11 Mixing Zone and Modification of Effluent Limits

- 2.11.1** Per 18 AAC 70.240, as amended through June 23, 2003, a regulatory mixing zone may be authorized for turbidity and residues in the following discharges:
- 2.11.1.1** Drilling Fluids and Drill Cuttings (Discharge 001)
 - 2.11.1.2** Gravel Pit Dewatering (Discharge 003)
 - 2.11.1.3** Excavation Dewatering (Discharge 004)
- 2.11.2** The Department will review the NOI information and authorize a standard size 500-foot long regulatory mixing zone beginning from the point of discharge for parameters listed in Section 2.11.2.2
- 2.11.2.1** The Department will authorize a regulatory mixing zone if the proposed discharges listed in the NOI are consistent with conditions in this Permit.

2.11.2.2 Within an authorized regulatory mixing zone, the Department will authorize exceedances of the water quality criteria for turbidity and residues.

2.11.3 The written authorization from the Department will specify authorized discharges and the parameters for which water quality criteria may be exceeded within an authorized regulatory mixing zone.

2.11.4 If the Department determines that a regulatory mixing zone is not appropriate to protect and maintain existing uses of the waterbody outside of an authorized mixing zone, a permittee may submit additional information to supplement the NOI or may submit an individual permit application Form 1, Form 2C, and Form 2M.

3.0 SPECIAL CONDITIONS

3.1 Quality Assurance Project Plan

3.1.1 The permittee must develop a QAPP for all monitoring required by this Permit. A certification that the QAPP has been developed and available for implementation must be submitted with the NOI/NOD for first time applicants.

3.1.2 The QAPP must be designed to assist in planning for the collection and analysis of effluent and receiving water samples in support of the GP and in explaining data anomalies when they occur.

3.1.3 To support the specific requirements of the Permit, the QAPP must include procedures to conduct composite sampling for large hydrostatic test water discharges and methods of calculating the 90th percentile of FC bacteria samples to comply with the MDL.

3.1.4 Throughout all sample collection and analysis activities, the permittee must use the EPA-approved quality assurance/quality control and chain-of-custody procedures described in *Requirements for Quality Assurance Project Plans* (EPA/QA/R-5) and *Guidance for Quality Assurance Project Plans* (EPA/QA/G-5). The QAPP must be prepared in the format which is specified in these documents.

3.1.5 The permittee must amend the QAPP whenever there is a modification in sample collection, sample analysis, or other procedure addressed by the QAPP.

3.1.6 The permittee must report if modifications were made to the QAPP and regardless of modification submit a certification statement annually.

3.1.7 Copies of the QAPP must be kept on site and made available to DEC upon request.

3.2 Drilling Fluids Plan

3.2.1 Applicability

A DFP will be required for drilling using class A2 and A3 drilling fluids as verified by the Department when reviewing the NOI per Section 1.5.1.6. The primary distinction between Class A2 and Class A3 fluids is A3 uses barite as a weighting agent. The following sections apply to developing a DFP for either a Class A2 or Class A3 drilling fluid. At a minimum, the DFP must include the following information:

- 3.2.1.1** Specific to each Drilling Program and drilling fluid type, provide a list including commercial product names, descriptions of the products, and the maximum proposed discharge concentrations for each product and chemical additive. Concentrations must be commonly stated in appropriate terms (e.g., lb/bbl, gal/bbl, % (wt), or % v/v (% volume oil per volume drilling fluid)). Each drilling fluid or additive system must be clearly labeled with respect to drilling fluid type (e.g., KCl/polymer drilling fluid, freshwater lignosulfonate drilling fluid). Components of the basic drilling fluid must be listed separately from specialty or contingency chemical additives which may be used.
- 3.2.1.2** A record of the operator's determination of how discharge of drilling fluids and drill cuttings is expected to comply with the 500,000 ppm SPP toxicity classification threshold (See Section 1.5.1.6). Operator's determination must be based upon, but not limited to, the following criteria:
- Estimate or SPP test results of worst-case cumulative discharge toxicity based on additive toxicity estimations or commercially calculated discharge toxicity estimations;
 - Description of how overall toxicity is minimized, where possible.
- 3.2.1.3** A clearly stated procedure for determining whether or not a chemical additive not originally planned for or included in toxicity estimations may be used and discharged, and
- 3.2.1.4** An outline of the drilling fluid planning process which must be consistent with other general permit requirements. Names and titles of personnel responsible for the drilling fluid planning process must be included in the drilling fluid plan.
- 3.2.1.5** For Type A3 Drilling Fluids, the DFP must also include tests on stock barite using EPA Method 200.7 for cadmium and EPA Method 245.5 or 7471 for mercury. To be considered Type A3 Drilling Fluid, results must be included in DFP indicating concentrations for Cadmium (Cd) ≤ 3 mg/kg, and for Mercury (Hg) ≤ 1 mg/kg

3.3 End of Drilling Reports

In addition to submitting monthly DMRs, the permittee is responsible reporting additional information to DEC at the conclusion of the Drilling Program at a given location. The report is due January 31st of the year following completion. If the Drilling Program has been extended, the permittee must still report annually to the extent that the final report is pending completion. If the Drilling Program is terminated, the permittee must report information up to the time of termination. The Permittee shall report the following Information:

- Beginning drill date, completion date, coordinate location for entry and exit point,
- Any modifications to the drilling fluids system per the DFP,
- The total volumes of drilling fluid created and added downhole at each site location,
- Estimated total volumes of drilling fluids discharged to surface waters at each site location,
- The estimated fluid loss at each site (if any),
- Summary of agency communications that were initiated due to the release,
- Any control measures used to reduce or eliminate the release,
- Any mitigation measures taken to eliminate or reduce adverse environmental impacts,
- Any unusual observations reported to DEC, and

- Any supplemental information requested by DEC during the project to be included.

3.4 BMP Plan and Implementation of a BMP Toolkit

A permittee must develop a BMP Plan which achieves the objectives and specific requirements outlined in Sections 3.4.1. The BMP Plan for industrial activities shall be located at the permitted facility, or available electronically, and made available for Department review upon request. A qualified person must amend the BMP Plan whenever there is a change in the facility or in the operation of the facility that materially increases the generation of pollutants, their release, or potential release to the receiving waters. Changes to the BMP Plan shall be consistent with the objectives and specific BMP requirement as described in Permit Section 3.4.2. Facility and Environmental managers must review all changes to the BMP Plan. Permittees must conduct an annual review and a certification statement must be submitted to the Department as outlined in Section 3.4.2.4. The following sections describe the BMP Plan objectives (3.4.1 through 3.4.4).

3.4.1 BMP Plan General Requirements and Objectives

- 3.4.1.1** A BMP Plan is required to be submitted with the first NOI for retention in the administrative record for the permittee's authorization. The permittee must develop and implement a BMP Plan which achieves the objectives and the specific BMP requirements listed in Section 3.4.3. Any existing BMP plans may be modified under this section. If a BMP Plan requires revision, the BMP Plan shall be ready to implement prior to the initiation of discharge. The permittee will certify in subsequent NOIs if the BMP Plan is ready to implement when the NOI is submitted.
- 3.4.1.2** The permittee must maintain a copy of the current BMP Plan at the facility and make it available to DEC or an authorized representative upon request. Electronic storage of documents can be used so long as they are accessible when a DEC inspector conducts an onsite inspection.
- 3.4.1.3** Through implementation of the BMP Plan, the permittee must prevent or minimize the generation and potential for the release of pollutants to the waters of the U.S. and groundwater in Alaska through normal and ancillary activities.
- 3.4.1.4** BMP Plans must ensure that methods of pollution prevention, control, and treatment will be applied to all wastes and other substances discharged. The number and quantity of pollutants of effluent generated, discharged, or potentially discharged by the facility must be minimized by the permittee to the extent feasible by managing each waste stream in the most appropriate manner.
 - 3.4.1.4.1** Each facility component or system must be examined for waste minimization opportunities and potential for causing a release of significant amounts of pollutants to waters of the United States, or groundwater in Alaska, due to equipment failure, improper operation, or natural phenomena, such as rain or snowfall, etc. The examination must include all normal operations and ancillary activities including material storage areas, storm water, in-plant transfer, material handling and process handling areas, loading or unloading operations, spillage or leaks, sludge and waste disposal, or drainage from raw material storage.

- 3.4.1.4.2 Under the BMP Plan and any Standard Operating Procedures included in the BMP Plan, the permittee must ensure proper operation and maintenance of water management and wastewater treatment systems. BMP Plan elements must be developed in accordance with good engineering practices.
- 3.4.1.4.3 Prior evaluation of any planned modifications to the facility to ensure that the requirements of the BMP Plan are considered as part of the modifications.

3.4.2 BMP Plan Modifications

- 3.4.2.1 The permittee must amend the BMP Plan whenever it is found to be ineffective in achieving the general objective of preventing and minimizing the generation and the potential for the release of pollutants to waters of the U.S. and/or the specific BMP requirements of Section 3.4.3.7.
- 3.4.2.2 Changes in the BMP Plan must be reported to DEC with the annual certification required under Section 3.4.2.4.
- 3.4.2.3 The BMP Plan must be reviewed annually by the permittee and the permittee chosen BMP Committee.
- 3.4.2.4 The permittee must submit annually a certification that the above reviews have been completed and that the BMP Plan fulfills the requirements set forth in this Permit. The statement must be certified by the dated signatures of each BMP Committee member. The statement must be submitted to DEC on or before January 31st of each year of operation under this Permit after the initial BMP Plan submittal.

3.4.3 BMP Plan Content

- 3.4.3.1 The BMP Plan should be consistent with the general guidance contained in *Guidance Manual for Developing Best Management Practices* (EPA 833-B-93-004, October 1993) or any subsequent revision. The BMP Plan must include, at a minimum, the following items:
- 3.4.3.2 Statement of BMP policy. The BMP Plan must include a statement of management commitment to provide the necessary financial, staff, equipment, and training resources to develop and implement the BMP Plan on a continuing basis.
- 3.4.3.3 Structure, functions, and procedures of the BMP Committee. The BMP Plan must establish a BMP Committee chosen by the permittee responsible for developing, revising, implementing, and maintaining the BMP Plan.
- 3.4.3.4 Current copies of this Permit, the signed and certified NOI submitted to DEC, and copies of authorization letters from DEC.
- 3.4.3.5 Description of potential pollutant sources, including, but not limited to:
- Potential to result in a limit or water quality criteria exceedance,
 - Risk identification and assessment, and
 - Materials compatibility.

- 3.4.3.6** Description, location, and sequence of activities, BMP control measures (i.e., BMP Toolkit components used), and Final constructed site plans, drawings, and maps.
- 3.4.3.7** Description of any corrective action taken at the facility, including the event that caused the need for corrective action (include notice of non-compliance if reporting was required) and dates when problems were discovered and modifications occurred.
- 3.4.3.8** A log of BMP Plan modifications which documents maintenance and repairs of control measures, including date(s) of regular maintenance, date(s) of discovery of areas in need of repair/maintenance, and date(s) that the control measure(s) returned to full function
- 3.4.3.9** Standard Operating Procedures that include, but are not limited to:
- Good housekeeping;
 - Inspections;
 - Preventative maintenance and repair;
 - Security;
 - Employee training records and date(s) training was received;
 - Record keeping and reporting;
 - Use of local containment devices such as liners, dikes and drip pans where chemicals are being unpackaged and where wastes are being stored and transferred; and
 - Apply chemical cleaning compounds and disinfectants in accordance with manufacturer instructions and suggested application rates.

3.4.4 Specific BMPs

The BMP Plans must establish specific BMPs or other measures to help achieve the compliance with this Permit for various discharges and disposals, which ensure that the following specific requirements are met.

- 3.4.4.1** BMPs for Mixing Zones:
In order to ensure compliance with the 500-foot mixing zone for turbidity and residue, the Permittee shall develop BMP Plans to ensure water quality criteria for turbidity is not exceeded at the boundary of the mixing zone.
- 3.4.4.2** BMPs for Hydrocarbon Removal:
Permittee must observe discharges and disposals for sheen and review the DEC Contaminated Sites Program Database to determine if contamination may be encountered within 1,500 feet of an excavation that requires dewatering authorization under this Permit. The permittee must develop and implement BMP tools to help ensure compliance with Permit limits for situations where hydrocarbon contamination is encountered. The BMP tools may include treatment procedures or systems that have been submitted to the Department prior to adopting as BMP Toolkit component.
- 3.4.4.3** BMPs for Sedimentation, Erosion, and Thermokarst Control:
All high-volume or high-velocity discharges and disposals should have BMPs for control of sedimentation, erosion, and thermokarsting. BMP Plans should discuss how install energy

dissipation devices at the point of discharge/disposal as well as controlling sediment accumulation that could adversely impact sensitive vegetation areas (e.g., accumulation of 1/8th inch on tundra). Accordingly, this Permit emphasizes that sediment and erosion control BMPs be used broadly. Specific BMPs developed for sedimentation, erosion, and thermokarst controls may be developed using appropriate components of guidance referenced in Section 3.5.

3.5 Construction Storm Water (006)

Permittees, or Co-permittees, authorized to discharge storm water (including uncontaminated secondary containment water), or allowable non-storm water, from construction or maintenance activities that disturb one acre or more are required to identify and control pollutant sources associated with the construction of pipelines and the ancillary pipeline facilities that disturbs one acre or more. Coverage for Construction Storm Water (Discharge 006) requires that the applicant develop and implement a SWPPP, which assesses site specific conditions, sources of sediment and other pollutants, and establishes BMPs to prevent, or minimize to the extent practicable, pollutants from being discharged in storm water. A SWPPP shall be developed in general accordance with the most current version of *Developing Your Stormwater Pollution Prevention Plan – A Guide for Industrial Operators* (February 2009, EPA 833-B-09-002). For Alaska-specific requirements, refer to the *Alaska Storm Water Guide*.

<http://dec.alaska.gov/water/wnpspc/stormwater/Guidance.html>.

3.5.1 Certifications

The SWPPP must be signed and certified per Appendix A, Section 1.12. An applicant must submit the initial SWPPP with the NOI for DEC files. Thereafter, the permittee must submit an annual certification to DEC that the SWPPP has been revised and implementing according this Section.

3.5.2 Site Descriptions

The SWPPP must describe specific conditions of the project including (1) the amount, frequency, duration, and seasonal occurrence of rainfall; (2) site conditions such as soils, topography, drainage patterns, and vegetation; and (3) receiving waters, such as impaired waters or waters listed in the ADF&G Anadromous Waters Catalog. The SWPPP must also describe the nature of the construction activity, including, but not limited to:

- The function of the project (e.g., large spread winter construction);
- A general location map able to identify the location of the activity and the waters of the U. S. within one mile of the project;
- Site maps that clearly delineate the area that will be disturbed and important environmental features (e.g., wetlands, spawning areas, water intakes, etc.);
- Identification of all potential sources of pollutants that may reasonably affect the quality of storm water discharges from the construction site. This includes description of related industrial activities such as pipe coating facilities or temporary concrete batch plants;
- The intended significant activities, presented sequentially, that disturb soil over major portions of the site (e.g., grubbing, excavation, grading); and

- Estimates of the total area of the site that is expected to be disturbed by excavation, grading, or other activities including off-site borrow/fill areas. It may be preferable to separately describe portions of the site as they are disturbed at different stages of the construction process.

3.5.3 Control Measures

Based on site-specific information and identification of sources of pollution, the SWPPP must indicate and describe the control measures to be implemented including, but not limited to:

- The type of sediment and erosion control measure, location, duration (temporary or permanent), and construction sequence (specific dates are not necessary); and
- When available and appropriate, the manufacturer's specifications for installation and maintenance of the appropriate control measures.

3.5.4 Natural Buffers

The permittee must maintain a minimum natural buffer of 25 feet around the edge of any waters of the U.S. and at stream crossings unless the crossing is a necessary and dependent water access construction activity (e.g. open trench pipeline crossing).

3.5.5 Good Housekeeping Procedures

The SWPPP must describe procedures that prevent the discharge of pollutants from earth moving activities and ancillary activities associated with the project. These procedures are generally associated with storage and handling of materials such as construction waste, fuels and solvents, and other potential storm water contaminants. Typical good housekeeping procedures include, but are not limited to:

- Washing of Equipment and Vehicles and Wheel Wash-Down,
- Fueling and Maintenance Areas,
- Staging and Material Storage Areas,
- Washout of Applicators/Containers used for Paint, Concrete, and Other Materials,
- Fertilizer or Pesticide Use, and
- Storage, Handling, and Disposal of Construction Waste.

3.5.6 Spill Prevention and Response Procedures

In the event that good housekeeping procedures do not prevent a release, specific spill prevention and response procedures must be included in the SWPPP for material storage and handling including, but not limited to:

- Labeling containers (e.g., "Used Oil," "Spent Solvents," "Fertilizers and Pesticides," etc.)
- Expeditiously stopping, containing, and cleaning up spills, leaks, and
- Other contaminant releases.

The permittee must notify appropriate facility personnel, emergency response agencies, and regulatory agencies when a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity has been observed (See Standard Conditions, Appendix A).

3.5.7 Seasonal Shutdowns

The SWPPP must include a description of temporary and permanent stabilization practices for the site, including a schedule of when the practices will be implemented. The SWPPP must document shutdown and startup activities for projects that are not completed during the winter or summer construction season. The SWPPP must also document (1) the anticipated dates of fall freeze-up and spring thaw, (2) activities leading up to and at fall freeze-up, (3) activities leading up to and at spring thaw, and (4) activities to reestablish control measures prior to and immediately after spring thaw and fall freeze up.

3.5.8 Stabilization

Stabilization of disturbed areas must be initiated as soon as practicable whenever any clearing, grading, excavating, or other earth disturbing activities have permanently ceased on any portion of the site or temporarily ceased on the site and will not resume for a period exceeding 14 days.

3.5.8.1 Temporary Stabilization: No later than 14 days after initiating temporary stabilization, the permittee must complete all activities necessary to initially revegetate the area and/or install non-vegetative measures.

3.5.8.2 Final Stabilization and Terminating Construction Storm Water Authorizations: To eliminate a site or terminate authorization for construction storm water coverage under this Permit, the permittee must achieve final stabilization for the affected area of coverage. See Appendix C for definition of final stabilization.

3.5.9 SWPPP Modifications

The permittee must update the SWPPP within seven calendar days in response to any following triggering conditions:

- Changes to construction control measures, good housekeeping measures, or other activities that render the exiting SWPPP obsolete,
- An inspection or investigation reveal changes are necessary to comply with this Permit, or
- Changes made in response to corrective actions, or maintenance procedures.

3.5.10 SWPPP Documentation

3.5.10.1 SWPPP Posting: A notice of Permit authorization and SWPPP must be posted conspicuously near the main entrance of the site or at local public building such as the town hall or public library if posting at the entrance is infeasible. For linear projects, the notice must be posted at a publicly accessible location near the active part of the construction project (e.g., where a pipeline project crosses a public road). The SWPPP notice must include the following information:

- A copy of the completed NOI as submitted to DEC;
- Current contact person and phone number for scheduling times to view the SWPPP, and
- The current location of the SWPPP.

3.5.10.2 Related Documents: The following related documents must be kept with the SWPPP:

- Current copies of the Pipeline GP, the signed and certified NOI submitted to DEC, copies of DEC authorization letters;
- A log of SWPPP modifications;
- Description, location, and sequence of earthwork activities, control measures, and stabilization measures;
- Documentation of confirmation sampling of TAH and TAqH to demonstrate an individual SCA is no longer contaminated after observation of sheen or a spill (See Section 1.4.7).
- Date(s) when earthwork activities occur, construction activities, begin and temporarily or permanently cease, and when stabilization are initiated on a portion of the site;
- Documentation of maintenance and repairs of control measures, including date(s) of regular maintenance, date(s) of discovery of areas in need of repair/maintenance, and date(s) that the control measure(s) returned to full function;
- Manufacture Information (i.e. Material Safety Data Sheet, manufacturer and/or supplier test results, or installation instructions);
- Description of any corrective action taken, including the triggering event or corrective action and dates when problems were discovered and modifications occurred;
- Records of employee training, including the date(s) training was received; and
- Copies of inspection reports, non-compliance, certifications, monitoring reports, or end of construction season reports.

3.5.10.3 SWPPP Availability: A copy of the SWPPP must be kept at the facility or the construction site from the date of project initiation to the date of final stabilization. A Permittee with day-to-day operational control over the plan's implementation must keep a copy of the plan readily available whenever on site (a centrally located construction trailer or truck accessible by all on-site personnel is sufficient). If an on-site location is unavailable to store the SWPPP when no personnel are present, notice of the plan's location must be posted at the main entrance sign at the construction site. Regardless, a copy of the SWPPP must be readily available for inspection during normal business hours.

A Permittee must make a copy of the SWPPP and documentation available to DEC upon request, for review or copying, during any on-site inspection. Electronic storage of documents can be used so long as they are accessible when a DEC inspector conducts an onsite inspection. The SWPPP must identify any alternative off-site location for available access if there is a seasonal shut down for a multi-season project. The SWPPP must be returned to the site once the shutdown is over.

The Permittee must provide a copy of the SWPPP to each subcontractor on-site. If a member of the public requests a copy of the SWPPP, they must first contact DEC.

3.5.11 Corrective Actions

- 3.5.11.1 Triggers:** The permittee must review and revise the selection, redesign, reinstall, and implement other corrective actions or control measures when the following conditions have been discovered or reported by other entities and substantiated:
- Spills or unauthorized discharges;
 - Control measures not designed, installed, or maintained correctly;
 - Control measures are observed to not meet Permit requirements or water quality criteria (See 2.1.5); or
 - Sediment or residues (See Definitions) have accumulated at locations that could lead to impacts to control measures, storm water conveyance infrastructure (e.g., storm water inlets and outlets), or equipment tracking on roads or paved areas.
- 3.5.11.2 Communication:** The permittee must provide written notification to all affected subcontractors within three (3) days of taking the corrective action.
- 3.5.11.3 SWPPP Modifications:** The permittee must revise its SWPPP within seven calendar days to reflect the new maintenance procedures and include documentation of the corrective action to return to full compliance. The permittee must maintain a log showing the dates of all SWPPP modifications, including name of the person authorizing each change and a brief summary.
- 3.5.11.4 Schedules:** Whenever corrective actions impact other parties, the permittee must notify them within three days. For conditions that can be readily corrected (e.g., removing tracked sediment on roadways), the permittee must take corrective actions as soon as practicable within 24 hours of discovery. For revising selection, redesigning, or repairing control measures, the permittee must complete the corrective action within seven days. If the corrective action has a nexus with other similar control measures or conditions on the project, the permittee must make corrections to subsequently affective controls or conditions prior to the next storm or snowmelt event, or as soon as practicable afterwards.
- 3.5.11.5 Continuation of Inspections:** Normally schedule inspections must continue from the time the need for corrective actions have been identified until completed.
- 3.5.11.6 Corrective Action Log:** The permittee must maintain a log of corrective actions that includes the date the problem was discovered or reported, the corrective action(s) taken or the basis for why one was not taken, the date the corrective action was completed, and whether the corrective action resulted in a revision to the SWPPP.

3.5.12 Inspections

- 3.5.12.1 Frequency:** The Permittee must inspect designated areas on a schedule, frequency and timing based on the mean annual precipitation (MAP) for the location per Table 10:

Table 10: Frequency of Construction SWPPP Inspections

MAP (inches)	Period (Days)	Frequency/Timing
≤ 40	14	Once within period and 24 hours after storm or snowmelt event.
> 40	7	Once per period but twice per period if there is precipitation each of the seven days ¹
Note ¹ : Pre-storm walk-throughs count as one inspection.		

3.5.12.2 Representative Inspections: For linear construction projects (e.g., pipeline construction) inspections may be performed and applied to other representative locations and controls. The qualified personnel may inspect controls along the construction site for 0.25 mile above and below each access point where a roadway, undisturbed right-of-way, or other similar feature intersects the construction site and allows access to the areas above and below that point. The conditions of the controls along each inspected 0.25-mile segment may be considered as representative of the condition of controls along that reach extending from the end of the 0.25-mile segment to either the end of the next 0.25-mile inspected segment or to the end of the project, whichever occurs first.

3.5.12.3 Inspection Reports: The Permittee is required to retain with the SWPPP a record of each inspection for at least three years from the date that Permit coverage expires or is terminated. The report must also identify any actions taken per the inspection requirements and identify any triggering conditions that requires corrective action.

3.6 Additional Requirements for Operational Storm Water (006)

Permit requirements for Operational SWPPPs are the same for Construction SWPPPs 3.5.1 through 3.5.9. The additional, or complementary, requirements for Operational SWPPPs are as follows:

3.6.1 If a facility is authorized to discharge only operational storm water, the Operational SWPPP satisfies the BMP Plan requirements in Section 3.4. Because the SWPPP may also satisfy BMP Plan requirements and need to modify Operational SWPPPs is likely infrequent, this Permit requires annual review of the SWPPPs to ensure minor changes or modifications to controls are adopted. The permittee must apply BMP Section 3.4 to Operational SWPPPs and submit an annual certification that the review committee has reviewed and revised the SWPPP, if necessary.

3.6.2 This Permit requires semi-annual storm water inspections at each facility with one inspection conducted prior to breakup to assess whether there are any areas which may contribute pollutants to the storm water discharge and the second inspection conducted after breakup. Semi-annual inspections must be retained for three years and a certification that the inspections were conducted at each facility must be submitted to the Department annually with the SWPPP certification.

Appendix A

Standard Conditions

APPENDIX B ACRONYMS

Appendix B

Acronyms

Appendix B

Permit No. AKG320000

The following acronyms are common terms that may be found in an Alaska Pollutant Discharge Elimination System (APDES) permit.

7Q10	Seven-day Low Flow Based on a 10-year Return Period
18 AAC 15	Alaska Administrative Code. Title 18 Environmental Conservation, Chapter 15: Administrative Procedures
18 AAC 60	Alaska Administrative Code. Title 18 Environmental Conservation, Chapter 60: Solid Waste Management
18 AAC 70	Alaska Administrative Code. Title 18 Environmental Conservation, Chapter 70: Water Quality Standards
18 AAC 72	Alaska Administrative Code. Title 18 Environmental Conservation, Chapter 72: Wastewater Disposal
18 AAC 83	Alaska Administrative Code. Title 18 Environmental Conservation, Chapter 83: Alaska Pollutant Discharge Elimination System

All chapters of Alaska Administrative Code, Title 18 are available at the Alaska Administrative Code database <http://www.legis.state.ak.us/cgi-bin/folioisa.dll/aac>

40 CFR [Code of Federal Regulations Title 40: Protection of Environment](#)

AAC Alaska Administrative Code

ADNR Alaska Department of Natural Resources

AK LNG Alaska Liquefied Natural Gas

AML Average Monthly Limit

APDES Alaska Pollutant Discharge Elimination System

APSC Alaska Pipeline Service Company

AS Alaska Statutes

AS 46.03 Alaska Statutes Title 46, Chapter 03: Environmental Conservation. Available at <http://www.legis.state.ak.us/default.htm>

ASAP Alaska Stand Alone Pipeline

BOD₅ Biochemical Oxygen Demand, 5-day

BMP	Best Management Practice
BPJ	Best Professional Judgment
BPT	Best Practicable Control Technology (currently available)
CFR	Code of Federal Regulations
CIPL	Cook Inlet Pipe Line Company
CWA	Clean Water Act
DEC	Alaska Department of Environmental Conservation
DFP	Drilling Fluids Plan
DMR	Discharge Monitoring Report
DRT	Drift River Terminal
EFH	Essential Fish Habitat
ELG	Effluent Limit Guidelines
ETC	Effluent Toxicity Characterization
EMP	Environmental Monitoring Program
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act
EPA	Environmental Protection Agency
FNSB	Fairbanks North Slope Borough
FC	Fecal Coliform Bacteria
GP	General Permit
GPD or gpd	Gallons per day
GPM or gpm	Gallons per minute
HDD	Horizontal Directional Drilling
IGU	Interior Gas Utility

IP	Individual Permit
KLU	Kitchen Lights Unit Gas Production Platform A
MDL	Maximum Daily Limit
mg/L	Milligrams per Liter
MSB	Matanuska-Susitna Borough
MSGP	Multi-Sector General Permit
MZ	Mixing Zone
NMFS	National Marine Fisheries Service
NOD	Notice of Disposal
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
NTU	Nephelometric Turbidity Unit
O&G	Oil and Grease
O&M	Operations and Maintenance
POC	Pollutant of Concern
O&M	Operations and Maintenance
POTW	Publicly Owned Treatment Works
PS	Pump Station
RCRA	Resource Conservation and Recovery Act
SCA	Secondary Containment Area
SPP	Suspended Particulate Phase
SU	Standard Units
SWPPP	Storm Water Pollution Prevention Plan
TAH	Total Aromatic Hydrocarbons

TAPS	Trans – Alaska Pipeline System
TAqH	Total Aqueous Hydrocarbons
TMDL	Total Maximum Daily Load
TRC	Total Residual Chlorine
TSS	Total Suspended Solids
U.S.	United States
U.S.C.	United States Code
USFWS	United States Fish & Wildlife Service
UV	Ultraviolet
VMT	Valdez Marine Terminal
WDAP	Wastewater Discharge Authorization Program
WQS	Water Quality Standards
ZOD	Zone of Deposit

Appendix C

Definitions

The following are common definitions of terms associated with APDES permits. Not all the terms listed may appear in a permit. Consult the footnote references for a complete list of terms and definitions.

Alaska Pollutant Discharge Elimination System (APDES) ^a	Means the state's program, approved by EPA under 33 U.S.C. 1342(b), for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits and imposing and enforcing pretreatment requirements under 33 U.S.C. 1317, 1328, 1342, and 1345
Allowable Non-Storm Water Discharges	Fire fighting flows, fire water storage vessel and fire hydrant flushing discharges, including periodic fire suppression test discharges, and fire training discharges; Waters used to wash vehicles where detergents are not used; Water used for dust control; Potable water sources including uncontaminated waterline flushes and drinking fountain water; Landscape watering and irrigation drainage used on occasion for re-vegetation projects; Routine external building, pipeline, and power line wash down that does not use detergent or other compounds; Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used; Uncontaminated condensate from air conditioners, coolers, and other compressors and from the outside storage of refrigerated gases or liquids; Uncontaminated, non-turbid discharges springs or groundwater; Uncontaminated foundation or footing drains; and Electrical insulator steaming; Other uncontaminated discharges meeting water quality criteria that the Department approves on a case-by-case basis.
Annual	Means once per calendar year
Average	Means an arithmetic mean obtained by adding quantities and dividing the sum by the number of quantities
Average Monthly Limit ^a	Means the highest allowable average of "daily discharges" over a calendar month calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured for that month
Ballast water	Means harbor or seawater added or removed to maintain the proper ballast floater level and ship draft and to conduct jack-up rig related sea bed support capability tests (e.g. jack-up rig preload water).
Best Management Practices (BMPs) ^a	Means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage areas.

Biochemical Oxygen Demand (BOD) ^c	Means the amount, in milligrams per liter, of oxygen used in the biochemical oxidation of organic matter in five days at 20° C
Biocide	Means any chemical agent used for controlling the growth of or destroying nuisance organisms (e.g., bacteria, algae, and fungi).
Bypass ^a	Means the intentional diversion of waste streams from any portion of a treatment facility
Clean Water Act (CWA) ^a	Means the federal law codified at 33 U.S.C. 1251-1387, also referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972
Color ^b	Means the condition that results in the visual sensations of hue and intensity as measured after turbidity is removed
Commissioner ^a	Means the commissioner of the Alaska Department of Environmental Conservation or the commissioner's designee
Composite Samples	Composite samples must consist of at least eight equal volume grab samples. 24 hour composite sample means a combination of at least eight discrete samples of equal volume collected at equal time intervals over a 24-hour period at the same location. A "flow proportional composite" sample means a combination of at least eight discrete samples collected at equal time intervals over a 24-hour period with each sample volume proportioned according to the flow volume. The sample aliquots must be collected and stored in accordance with procedures prescribed in the most recent edition of <i>Standard Methods for the Examination of Water and Wastewater</i> .
Contact Recreation ^b	Means activities in which there is direct and intimate contact with water. Contact recreation includes swimming, diving, and water skiing. Contact recreation does not include wading.
Contaminated Secondary Containment Areas (SCA)	Means a secondary containment area where a sheen, discoloration, or odor has been observed, a spill has occurred, or the contained water has not been demonstrated to comply with water quality criteria after a sheen or spill that would allow the water to be characterized as storm water. See also Uncontaminated Secondary Containment.
Criterion ^b	Means a set concentration or limit of a water quality parameter that, when not exceeded, will protect an organism, a population of organisms, a community of organisms, or a prescribed water use with a reasonable degree of safety. A criterion might be a narrative statement instead of a numerical concentration or limit.
Daily Discharge ^a	Means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for the purposes of sampling. For pollutants

measured in units of mass, the “daily discharge” is calculated as the total mass of the pollutant discharged over the day. For pollutants with a limitation expressed in other units of measurement, the “daily discharge” is calculated as the average measurement of the pollutant over the day.

Department ^a	Means the Alaska Department of Environmental Conservation
Design Flow ^a	Means the wastewater flow rate that the plant was designed to handle. Typically the maximum monthly flow rate for the treatment system.
Director ^a	Means the commissioner or the commissioner’s designee assigned to administer the APDES program or a portion of it, unless the context identifies an EPA director
Discharge ^a	When used without qualification, discharge means the discharge of a pollutant
Discharge of a Pollutant ^a	Means any addition of any pollutant or combination of pollutants to waters of the United States from any point source or to waters of the contiguous zone or the ocean from any point source other than a vessel or other floating craft that is being used as a means of transportation. Discharge includes any addition of pollutants into waters of the United States from surface runoff that is collected or channeled by humans; discharges through pipes, sewers, or other conveyances owned by a state, municipality, or other person that do not lead to a treatment works; discharges through pipes, sewers, or other conveyances leading into privately owned treatment works; and does not include an addition of pollutants by any indirect discharger.
Disposal	Means the deposit, injection, dumping, spilling, leaking, or placing of waste into or on any land so that such waste, or any constituent thereof, may enter the land or ground waters.
Domestic Wastewater ^c	Means waterborne human wastes or graywater derived from dwellings, commercial buildings, institutions, or similar structures. "Domestic wastewater" includes the contents of individual removable containers used to collect and temporarily store human wastes.
Drilling Fluids	Means circulating fluid (mud) used in the rotary drilling of boreholes to clean and condition the hole and to counterbalance formation pressure.
Drilling Fluids, Category A	Type A drilling fluids are fluid systems that are used for drilling applications that are similar to drilling fluids used in oil and gas exploration and development drilling (Category B) but have limitations on chemical additives and Sediment Particulate Phase (SPP) toxicity. The following table describes the classification system used for permitting Category A drilling fluids:

Category Name		A1	A2	A3
96hr LC50 SPP Value (ppm)		>750,000	>500,000	>500,000
Characteristics	Number of Ingredients ¹	≤2	>2	>2
	Barite Allowed	○	○	●
	Base Fluid (Fresh Water (FW) / Sea Water (SW)/ Synthetic (S)	FW	FW	FW
Application Requirements	Estimate (E) / Analyze (A) SPP 96hr LC50	E ²	E ²	A
	Drilling Fluid Plan (DFP)	○	●	●
	Total Recoverable Metals Analysis ³	○	○	●
	Chemical Inventory Report	○	●	●
NOTES: 1. Base Fluids listed above are not included as an ingredient. 2. If estimate does not meet SPP requirement, a follow-up SPP Analysis may be used to verify actual SPP. 3. Applicants using Barite must batch test stock for total recoverable metals using cadmium and mercury as surrogate parameters. Analysis should be conducted using EPA Method 200.7 for cadmium and EPA Method 245.5 or 7471 for mercury. To be considered Type A3 Drilling Fluid, results must be included in DFP indicating concentrations for Cadmium (Cd) ≤ 3 mg/kg, and for Mercury (Hg) ≤ 1mg/kg.			Key ○ No ● Yes	

Effluent ^b	Means the segment of a wastewater stream that follows the final step in a treatment process and precedes discharge of the wastewater stream to the receiving environment
Effluent Toxicity Characterization	For the purposes of this permit means a test designed to identify effluent discharge samples with positive toxicity results from effluent discharge without positive toxicity results using various test organisms.
Estimated	Means a way to estimate the discharge volume. Approvable estimations include, but are not limited to, the number of persons per day at the facility, volume of potable water produced per day, lift station run time, etc.
Excluded area	Means an area not authorized as a receiving water under a permit
Fecal Coliform Bacteria (FC) ^b	Bacteria that can ferment lactose at 44.5° + 0.2°C to produce gas in a multiple tube procedure. Fecal coliform bacteria also means all bacteria that produce blue colonies in a membrane filtration procedure within 24 ± 2 hours of incubation at 44.5° + 0.2°C in an M-FC broth.

Fish ^b	Means any of the group of cold-blooded vertebrates that live in water and have permanent gills for breathing and fins for locomotion
Final Stabilization	For the purposes of this permit, Final Stabilization means that all soil disturbing activities at the site have been completed and either of the two following criteria shall be met: <ul style="list-style-type: none"> a) a uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or b) equivalent non vegetative permanent stabilization measures have been employed including but not limited to riprap, gabions, porous backfill per ADOT&PF Specification 703-2.10, railroad ballast or subballast, ditch lining per ADOT&PF Specification 610-2.01, or geotextiles, or fill material with low erodibility as determined by an engineer familiar with the site and documented in the SWPPP).
Free Oil	Any oil contained in a waste stream that when discharged will cause a film or sheen upon or a discoloration of the surface of the receiving water.
Geometric Mean	The geometric mean is the N th root of the product of N. All sample results of zero will use a value of 1 for calculation of the geometric mean. Example geometric mean calculation: $\sqrt[4]{12 \times 23 \times 34 \times 990} = 55$
Grab Sample	Means a single instantaneous sample collected at a particular place and time that represents the composition of wastewater only at that time and place
Graywater ^b	Means wastewater from a laundry, kitchen, sink, shower, bath, or other domestic source that does not contain excrement, urine, or combined storm water
Horizontal Direction Drilling	Drilling for the purpose of installing an underground pipeline or conduit using a rotary drill bit that can affect the direction of the drilling path near horizontal. Horizontal Directional Drilling (HDD) is predominantly referred to in the Permit based on being the most common drilling to be covered but is intended to capture other drilling activities. For the purpose of this Permit, HDD coverage is also available for vertical drilling using drilling fluids, except brines, for conducting geotechnical investigations and installing pipeline infrastructure including, but not limited to, vertical support members and cathodic protection anodes.
Hydrostatic Test Water	Means water used for pressure testing to verifies leaks are not present in pipelines and tanks as well as contained water associated with valve vault discharges, basement discharges, non-hydrocarbon bearing lines, water tanks, ancillary pipelines related to oil and gas facilities, and utilidor discharges.

Influent	Means untreated wastewater before it enters the first treatment process of a wastewater treatment works
Maximum Daily Limit ^a	Means the highest allowable “daily discharge”
Mean ^b	Means the average of values obtained over a specified period and, for fecal coliform analysis, is computed as a geometric mean
Measured	Means the actual volume of wastewater discharged using appropriate mechanical or electronic equipment to provide a totalized reading. Measure does not provide a recorded measurement of instantaneous rates.
Milligrams per Liter (mg/L) ^b	Means the concentration at which one thousandth of a gram (10^{-3} g) is found in a volume of one liter. It is approximately equal to the unit “parts per million (ppm),” formerly of common use.
Mixing Zone ^b	Means a volume of water adjacent to a discharge in which wastes discharged mix with the receiving water
Mobile Spill Response Discharge	Means discharges associated with treated snowmelt, rain, or other water that has come into contact with hydrocarbons such as motor oil, diesel, gasoline, transmission, hydraulic oil from small leaks that are collected from motorized vehicles and equipment. Other sources include, but may not be limited to, drip pan water and shop melt water. Only water impacted by petroleum hydrocarbons is considered under mobile spill response discharge and a treatment system must be used that is capable of removing free-phase and dissolved-phase hydrocarbons from the wastewater.
Month	Means the time period from the 1 st of a calendar month to the last day in the month
Monthly Average	Means the average of daily discharges over a monitoring month calculated as the sum of all daily discharges measured during a monitoring month divided by the number of daily discharges measured during that month
North Slope Borough	Means the NSB encompasses the entire northern coast and most of the northeastern coast of Alaska along the Arctic Ocean and contains approximately 89,000 sq. miles of land and 5,900 sq. miles of water. The southern boundary runs in an east - west direction at 68° North latitude, about 105 miles north of the Arctic Circle, which is at latitude 66° 30' North. The NSB extends east to the border with Canada, west to the Chukchi Sea, and north to the Beaufort Sea.

New Facility	Means a facility that has not operated in the area specified in the Notice of intent (NOI) prior to the submission of the NOI.
Offshore	Means offshore of the inner boundary of the territorial seas.
Open waters	Means ponds, lakes, streams, rivers, and marine waters not covered by ice.
Permittee	Means a company, organization, association, entity, or person who is issued a wastewater permit and is responsible for ensuring compliance, monitoring, and reporting as required by the permit
pH ^g	Means a measure of the hydrogen ion concentration of water or wastewater; expressed as the negative log of the hydrogen ion concentration in mg/L. A pH of 7 is neutral. A pH less than 7 is acidic, and a pH greater than 7 is basic.
Primary Treatment ^c	Means wastewater treatment that: (a) will subsequently discharge wastewater to land or waters that are not waters of the United States and substantially removes all floating and settleable solids; or uses fine screens with 0.04-inch or smaller openings; or (b) will subsequently discharge wastewater to waters of the United States and uses screening, sedimentation, and skimming adequate to remove at least 30 percent of the biochemical oxygen demanding material and of the suspended solids in the treatment works influent; and disinfection, where appropriate.
Principal Executive Officer ^a	Means the chief executive officer of the agency or a senior executive officer having responsibility for the overall operations of a principal geographic unit of division of the agency
Pollutant ^a	Means dredged spoil, solid waste, incinerator residue, filter backwash, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials (except those regulated under 42 U.S.C. 2011), heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, or agricultural waste discharged into water
Receiving Waterbody	Means lakes, bays, sounds, ponds, impounding reservoirs, springs, wells, rivers, streams, creeks, estuaries, marshes, inlets, straits, passages, canals, the Pacific Ocean, Gulf of Alaska, Bering Sea, and Arctic Ocean, in the territorial limits of the state, and all other bodies of surface water, natural or artificial, public or private, inland or coastal, fresh or salt, which are wholly or partially in or bordering the state or under the jurisdiction of the state. (See “Waters of the U.S.” at 18 AAC 83.990(77))
Recommencing Facilities	Those facilities that may have let permit coverage lapse but still meet the coverage requirements of the GP.
Report	Report results of analysis.

Residual Chlorine	Means chlorine remaining in water or wastewater at the end of a specified contact period as combined or free chlorine.
Responsible Corporate Officer ^a	<p>Means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function or any other person who performs similar policy or DECision making functions for the corporation</p> <p>The Responsible Corporate Officer can also be the manager of one or more manufacturing, production, or operating facilities if the requirements of 18 AAC 83.385(a)(1)(B)(i)-(iii) are met.</p>
Secondary Recreation ^b	Means activities in which incidental water use can occur. Secondary recreation includes boating, camping, hunting, hiking, wading, and recreational fishing. Secondary contact recreation does not include fish consumption.
Sensitive Vegetation	For the purpose of this Permit, sensitive vegetation means low lying plants, such as tundra, that if covered with accumulated sediment may be adversely impacted.
Severe Property Damage ^a	Means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
Sheen ^b	Means an iridescent appearance on the water surface
Shellfish ^b	Means a species of crustacean, mollusk, or other aquatic invertebrate with a shell or shell-like exoskeleton in any stage of its life cycle
Significant Pipelines	A significant pipeline means a main pipeline or a pipeline that has considerably long segments between branches or serves to deliver oil or gas to a community or service. Any pipeline that is being constructed using horizontal directional drilling beneath a waterbody would also be considered significant. In contrast, an insignificant pipeline would be associated with short segments or downstream distribution networks.
Static Sheen Test	A test intended to indicate the presence of free oil when drilling fluid and drilled cuttings, are discharged to surface waters where surface water observations alone may be insufficient to determine the presence of free oil.
Temporary Stabilization	For the purposes of this permit, Temporary Stabilization means protecting soils from erosion and sediment loss by rainfall, snow melt, runoff, or wind, with a temporary vegetative and/or non-vegetative protection cover. Temporary stabilization may include a combination of surface roughening (track walking), temporary seeding, geotextiles, mulches, surface tackifiers, rolled erosion control products, gravel or paving, and other techniques to reduce or

	eliminate erosion until either final stabilization can be achieved or until further construction activities take place to re-disturb this area.
Thermokarst	Thermokarsting is the creation of uneven surfaces containing mounds, sinkholes, tunnels, caverns, steep-walled ravines caused by the melting of ground ice in permafrost soils.
Total Suspended Solids (TSS) ^g	Means a measure of the filterable solids present in a sample, as determined by the method specified in 40 CFR § 136
Twice per year	Means two time periods during the calendar year: October through April and May through September
Uncontaminated Secondary Containment	Means, uncontaminated precipitation or snow melt water that has accumulated in the diked areas around hydrocarbon tanks, tank farms, fuel transfer stations and tanker truck loading racks For this Permit, uncontaminated precipitation or snow melt water that has accumulated in the diked areas around hydrocarbon tanks, tank farms, fuel transfer stations and tanker truck loading racks is considered storm water (Discharge 006) and may be discharged to storm water conveyances (See also Contaminated Secondary Containment).
Upset ^a	Means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
Wastewater Treatment	Means any process to which wastewater is subjected in order to remove or alter its objectionable constituents and make it suitable for subsequent use or acceptable for discharge to the environment
Waters of the United States or Waters of the U.S.	Has the meaning given in 18 AAC 83.990(77)
Water Recreation ^b	See contact recreation or secondary recreation
Water Supply ^b	Means any of the waters of the United States that are designated in 18 AAC 70 to be protected for fresh water or marine water uses. Water supply includes waters used for drinking, culinary, food processing, agricultural, aquacultural, seafood processing, and industrial purposes. Water supply does not necessarily mean that water in a waterbody that is protected as a supply for the uses listed in this paragraph is safe to drink in its natural state.

Week Means the time period of Sunday through Saturday

TABLE NOTES:

- a) See 18 AAC 83
- b) See 18 AAC 70.990
- c) See 18 AAC 72.990
- d) See 40 CFR § 136
- e) See EPA Technical Support Document
- f) See Standard Methods for the Examination of Water and Wastewater 18th Edition
- g) See EPA Permit Writers Manual

ATTACHMENT 1 NOTICE OF INTENT AND MIXING ZONE REQUEST FORMS

Attachment 1

Notice of Intent

and

Mixing Zone Request Form

ATTACHMENT 2 NOTICE OF TERMINATION FORM

Attachment 2

Notice of Termination



NOTICE OF TERMINATION:

GENERAL PERMIT NO. AKG320000 – Statewide Oil and Gas Pipelines

Please submit this Notice of Termination to:

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Wastewater Discharge Authorization Program
555 Cordova Street
Anchorage, Alaska 99501**

Submittal of this document constitutes notice that the parties identified in Sections 2 thru 3 intend to discontinue coverage for specified outfalls or entire authorization as indicated in Section 4 of this form. Please provide all information below and attach supplemental information sheets as appropriate.

SECTION 1 – PERMIT INFORMATION

Current Permit Authorization No.: AKG32

SECTION 2 – RESPONSIBLE PARTY INFORMATION

Owner/Operator or Person responsible for overall management of the project

First Name:

Last Name:

Title:

Company:

Facility/Project Name:

Phone:

Fax:

E-mail Address:

Mailing Address:

City:

State:

Zip:

SECTION 4 –PERMIT REPORTING REQUIREMENTS (Select One)

- ☐ All reporting requirements have been submitted prior to the termination requests summarized in Section 5 of this form.
- ☐ All reporting requirements have been submitted with the termination requests summarized in Section 5 of this form

SECTION 5 – SUMMARY OF TERMINATION REQUESTS

- ☐ Check here, to request termination of entire permit authorization. Select reason for termination of permit² (☐ A ☐ B ☐ C Details: _____), then skip to section 5.
- ☐ Check here, to request termination of specific unique outfall ID's, then complete the table below.

Outfall Type	List Unique Outfall ID's to be Terminated ¹	Select Reason for Termination ²
<input type="checkbox"/> 002 Graywater		<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C Details: _____
<input type="checkbox"/> 003 Gravel Pit Dewatering		<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C Details: _____
<input type="checkbox"/> 004 Excavation Dewatering		<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C Details: _____
<input type="checkbox"/> 005 Hydrostatic Test Water		<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C Details: _____
<input type="checkbox"/> 006 Storm Water		<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C Details: _____
<input type="checkbox"/> 007 Mobile Spill Response		<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C Details: _____

NOTES:

- 1) A Unique ID is the number that was assigned to each individual Discharge/Disposal request (e.g., 001A). This number consists of the outfall type (e.g. 002 thru 007), multiple outfalls may include unique identifiers (e.g., A, or MSE).
- 2) Check the box that most accurately describes the reason for the outfall termination requests:
 - A) Outfall activities have ceased, coverage no longer needed.
 - B) Alternative permit coverage is needed (provide alternative permit number under "Details")
 - C) Other reason (provide brief details in the designated area)

SECTION 6 – CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Per 18 AAC 83.130(k), I certify there are no current or pending state or federal enforcement actions, including citizen suits brought under state or federal law. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Title:

Printed Name:

Date:

ATTACHMENT 3 NONCOMPLIANCE NOTIFICATION

Attachment 3

Noncompliance Notification



Alaska Department of Environmental Conservation

Division of Water, Compliance and Enforcement Program

555 Cordova Street Anchorage, AK 99501

Toll Free: 1(877) 569-4114

Anchorage: (907) 269-4114

Fax: (907) 269-4604

E-mail address: DEC-wgreporting@alaska.gov

NONCOMPLIANCE NOTIFICATION

PERMIT# (if any):

Owner or Operator:	Facility Name:	Facility Location:
Person Reporting:	Phone Numbers of Person Reporting:	Reported How? (e.g. by phone):
Date/Time Event was Noticed:	Date/Time Reported:	Name of DEC Staff Contacted:

VERBAL NOTIFICATION MUST BE MADE TO DEC WITHIN 24 HOURS OF DISCOVERY OF NONCOMPLIANCE

INCIDENT DETAILS (attach additional sheets, lab reports, and photos as necessary)

Period of Noncompliance	Start Date/Time (exact):	End Date/Time (exact):
If noncompliance has not been corrected, provide a statement regarding the anticipated time the noncompliance is expected to continue:		
Estimated Quantity involved (volume or weight):		
Description of the noncompliance and its cause (be specific):		
Actions taken to reduce, eliminate, and prevent reoccurrence of noncompliance and Actual/Potential Impact on Environmental Health (describe in detail) (e.g. Supplied drinking water to nearby well owners and informed well owners not to drink from wells until further notice)		
Permit Condition Deviation (Identify each permit condition exceeded during the event.)		
Parameter (e.g. BOD pH)	Permit Limit	Exceedance (sample result)
		Sample Date
Corrective Actions (Attach a description of corrective actions taken to restore the system to normal operation and to minimize or eliminate chances of recurrence.)		
Environmental Damage: (if yes, provide details below) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
Actual /Potential Impact on Environment/Public Health (describe in detail)		
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		
Name:	Title:	
Signature:	Date:	

FORMS MUST BE SENT TO ADEC WITHIN FIVE DAYS OF BECOMING AWARE OF THE EVENT.

