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DEC
Division of Water Quality
Wastewater Discharge Program

# NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

**DMR Mailing Zip Code:** 99611
MAJOR
(SUBR 02)
PRODUCED WATER AND SAND
External Outfall

**NAME:** XTO ENERGY, INC
**ADDRESS:** 52260 WIK RD
KENAI, AK 99611
**FACILITY:** EAST FORELAND
**LOCATION:** 52260 WIK ROAD, KENAI AK 99611

ATTN: Ryan Tunseth, EHS&T Coordinator

| (2-16) | (17-19) |
|---|---|
| AKG 31 5003 | 015 |
| PERMIT NUMBER | DISHCARGE NUMBER |

**MONITORING PERIOD**

| FROM | YEAR | MONTH | DAY |
|---|---|---|---|
| | 2010 | 8 | 1 |
| | (20-21) | (22-23) | (24-25) |

| TO | YEAR | MONTH | DAY |
|---|---|---|---|
| | 2010 | 8 | 31 |
| | (26-27) | (28-29) | (30-31) |

No Discharge ☐

| PARAMETER (32-37) | | QUANTITY OR LOADING (46-53) Average | (54-61) Maximum | Units | QUALITY OR CONCENTRATION (38-45) Minimum | (46-53) Average | (54-61) Maximum | Units | NO EX. (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 015 - Produced Water FLOW | Sample Measurement | 0.062125994 | 0.100296 | MGD | *** | *** | *** | *** | 0 | Weekly | Estimate |
| | Permit Requirement | *** | *** | | *** | *** | *** | | *** | Weekly | Estimate |
| 015 - Produced Water PRODUCED SAND | Sample Measurement | *** | *** | *** | No discharge | No discharge | No discharge | *** | 0 | *** | *** |
| | Permit Requirement | *** | *** | | No discharge | No discharge | No discharge | | *** | *** | *** |
| 015 - Produced Water OIL & GREASE | Sample Measurement | *** | *** | *** | *** | 12.8 | 17 | mg/l | 0 | Weekly | Grab |
| | Permit Requirement | *** | *** | | *** | 29 | 42 | | *** | Weekly | Grab |
| 015 - Produced Water pH | Sample Measurement | *** | *** | *** | 6.11 | *** | 7.4 | SU | 0 | Weekly | Grab |
| | Permit Requirement | *** | *** | | 6 | *** | 9 | | *** | Weekly | Grab |
| 015 - Produced Water TAH | Sample Measurement | *** | *** | *** | *** | 11.05 | 11.05 | mg/l | 0 | Monthly | Grab |
| | Permit Requirement | *** | *** | | *** | 24 | 32 | | *** | Monthly | Grab |
| 015 - Produced Water TAqH | Sample Measurement | *** | *** | *** | *** | 11.361 | 11.361 | mg/l | 0 | Monthly | Grab |
| | Permit Requirement | *** | *** | | *** | Report | Report | | *** | Monthly | Grab |
| 015 - Produced Water TOTAL AMMONIA | Sample Measurement | *** | *** | *** | 5.1 | 5.1 | 5.1 | mg/l | 0 | Quarterly | Grab |
| | Permit Requirement | *** | *** | | Report | *** | Report | | *** | Quarterly | Grab |

| NAME TITLE PRINCIPAL EXECUTIVE OFFICER | | | Telephone | Date (YR/MO/DAY) |
|---|---|---|---|---|
| Ryan Tunseth<br>HSE&T Coordinator | 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 driectly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief is 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. | Signature | 907 776-2510 | 9/16/2010 |

**COMMENTS & EXPLANATION OF ANY VIOLATIONS: WET Testing sampling frequency is reduced to once/6 months [Section II.G.6.a - Permit # AKG-31-5000] 2nd Period 2010 WET tests & Annual Rescreening [Section III.A.2.- Permit # AKG-31-5000] were taken in August-2010. The results are submitted with this DMR. No toxicity was observed in any of the samples. Additionally, the sampling frequency for Copper, Manganese, Silver, Total Mercury, and Zinc is reduced in frequency from monthly to quarterly [Section II.G.6.a - Permit # AKG-31-5000] 3rd Quarter 2010 sample results are shown.**

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 015 - Produced Water COPPER | Sample Measurement | *** | *** | *** | *** | 1.29 | 1.29 | ug/l | 0 | Quarterly | Grab |
| | Permit Requirement | *** | *** | | *** | 60 | 90 | | *** | Quarterly | Grab |
| 015 - Produced Water MERCURY | Sample Measurement | *** | *** | *** | *** | 0.00 | 0 | ug/l | 0 | Quarterly | Grab |
| | Permit Requirement | *** | *** | | *** | 0.5 | 0.8 | | *** | Quarterly | Grab |
| 015 - Produced Water MANGANESE | Sample Measurement | *** | *** | *** | *** | 0.81 | 0.81 | mg/l | 0 | Quarterly | Grab |
| | Permit Requirement | *** | *** | | *** | 7.9 | 15.8 | | *** | Quarterly | Grab |
| 015 - Produced Water SILVER | Sample Measurement | *** | *** | *** | *** | 6.62 | 6.62 | ug/l | 0 | Quarterly | Grab |
| | Permit Requirement | *** | *** | | *** | 46 | 149 | | *** | Quarterly | Grab |
| 015 - Produced Water ZINC | Sample Measurement | *** | *** | *** | *** | 0.0138 | 0.0138 | mg/l | 0 | Quarterly | Grab |
| | Permit Requirement | *** | *** | | *** | 3.1 | 6.1 | | *** | Quarterly | Grab |
| 015 - Produced Water WET - *Mytilus galloprovincialis* (invertibrate) | Sample Measurement | *** | *** | *** | *** | < 625 | < 625 | TUc | 0 | Semi Annual | Grab |
| | Permit Requirement | *** | *** | | *** | 1209 | 2425 | | *** | Semi Annual | Grab |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 015 - Produced Water WET - *Menidia beryllina* (vertebrate) | Sample Measurement | *** | *** | *** | *** | < 625 | < 625 | TUc | 0 | Semi Annual | Grab |
| | Permit Requirement | *** | *** | | *** | 1209 | 2425 | | *** | Semi Annual | Grab |
| 015 - Produced Water WET - *Echinoderm* | Sample Measurement | *** | *** | *** | *** | < 625 | < 625 | TUc | 0 | Semi Annual | Grab |
| | Permit Requirement | *** | *** | | *** | 1209 | 2425 | | *** | Semi Annual | Grab |
| 015 - Produced Water | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| 015 - Produced Water | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| 015 - Produced Water | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| 015 - Produced Water | Sample Measurement | | | | | | | | | | |
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| | Permit Requirement | | | | | | | | | | |

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