



REGION 6
1201 ELM STREET, SUITE 500
DALLAS, TEXAS 75270-2102

NPDES Permit No TX0030279

**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et. seq; the "Act"),

ETC TX Processing, LTD
King Ranch Gas Plant
1300 Main
Houston, TX 77002

is authorized to discharge from a facility located 14 miles from Kingsville, west on Highway 141, Kingsville in Kleberg County, Texas

to an unnamed ditch, which flows into Escondido Creek, then to Borregos Lake, waterbody Segment 2492A of the Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada of the Bays and Estuaries at the following coordinates:

Outfall 001: Latitude 27° 28' 24" N; Longitude 98° 03' 21" W

in accordance with this cover page and the effluent limitations, monitoring requirements, and other conditions set forth in Part I, Part II and Part III hereof.

This permit, prepared by Isaac Chen, Environmental Engineer, Permitting Section (6WDPE), supersedes and replaces NPDES Permit No. TX0030279 issued May 28, 2015, with an expiration date of May 31, 2020.

This permit shall become effective on June 1, 2020

This permit and the authorization to discharge shall expire at midnight, May 31, 2025.

Issued on April 16, 2020

Charles Maguire

Charles W. Maguire
Director
Water Division (6WQ)

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PART I – REQUIREMENTS FOR NPDES PERMITS

SECTION A. LIMITATIONS AND MONITORING REQUIREMENTS

1. Outfall 001

During the period beginning on the effective date of the permit and lasting until the expiration date, the permittee is authorized to discharge cooling tower blowdown, boiler blowdown, and reverse osmosis reject water from outfall number 001 to an unnamed ditch, which flows into Escondido Creek, then to Borregos Lake, waterbody Segment 2492 of the Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada of the Bays and Estuaries. Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | | DISCHARGE LIMITATIONS | | MONITORING REQUIREMENTS | |
|--------------------------|-------------|-----------------------|---------|-------------------------|-------------|
| | | Standard Units | | | |
| POLLUTANT | STORET CODE | MINIMUM | MAXIMUM | MEASUREMENT FREQUENCY | SAMPLE TYPE |
| pH | 00400 | 6.5 | 9.0 | 2/Month *1 | Grab |

| EFFLUENT CHARACTERISTICS | | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS | |
|--------------------------|-------------|-----------------------|-------------|--------------------|-----------|-------------------------|----------------------|
| | | lbs/day, unless noted | | mg/l, unless noted | | | |
| POLLUTANT | STORET CODE | DAILY AVG | DAILY MAX | DAILY AVG | DAILY MAX | MEASUREMENT FREQUENCY | SAMPLE TYPE |
| Flow | 50050 | Report, MGD | Report, MGD | N/A | N/A | 2/Month *1 | Estimate |
| BOD5 | 00310 | 0.034 | 0.052 | 20 | 30 | 2/Month *1 | Grab |
| Total Residual Chlorine | 50060 | N/A | N/A | N/A | 0.011 | 2/Month *1 | Instantaneous Grab*2 |

| WHOLE EFFLUENT TOXICITY LIMITS (7-Day Chronic Static Renewal/ NOEC) *3 | VALUE | MEASUREMENT FREQUENCY | SAMPLE TYPE |
|---|-------|-----------------------|--------------------|
| <i>Ceriodaphnia dubia</i> | 60 | Once/Quarter | 24-Hr Composite *4 |
| <i>Pimephales promelas</i> | 60 | Once/Quarter | 24-Hr Composite *4 |

Footnotes:

*1 For any reporting period, samples shall be taken at least ten (10) days from the first sample of the previous reporting period.

*2 Regulations at 40 CFR Part 136 define “instantaneous grab” as analyzed within 15 minutes of collection. The effluent limitation

for TRC is the instantaneous maximum and cannot be averaged for reporting purposes.

*3 Compliance with the Whole Effluent Toxicity limitation is required on the effective date of the permit. See Part II of the permit for WET testing requirements and limitation conditions. Grab samples are allowed per method, if needed.

*4 24-HOUR COMPOSITE SAMPLE consists of a minimum of 12 effluent portions collected at equal time intervals over the 24-hour period and combined proportional to flow or a sample collected at frequent intervals proportional to flow over the 24-hour period.

SAMPLING LOCATION(S) AND OTHER REQUIREMENTS

Samples taken in compliance with the monitoring requirements specified above shall be taken at the discharge from the final treatment from Outfall 001.

FLOATING SOLIDS, VISIBLE FOAM AND/OR OILS

There shall be no discharge of floating solids or visible foam in other than trace amounts. There shall be no discharge of visible films of oil, globules of oil, grease or solids in or on the water, or coatings on stream banks. Monitoring shall be conducted weekly using visual sheen method.

Definition

“Sheen” means a silvery or metallic sheen, gloss, or increased reflectivity, visual color or iridescence on the water surface.

COOLING TOWER MAINTENANCE FLUIDS

If cooling tower maintenance chemicals are required, the permittee must not use chemicals that contain the 126 priority pollutants (listed at 40CFR423, Appendix A). The use of chemical additives which may contain any of the 126 priority pollutants or may adversely impact aquatic lives is not authorized unless approval is obtained and limitations are established on a case-by-case basis.

SECTION B: SCHEDULE OF COMPLIANCE

The permittee shall comply with the following schedule of activities for the attainment of state water quality standards-based final effluent limitations: None.

SECTION C. MONITORING AND REPORTING (MINOR DISCHARGERS)

1. Monitoring results must be reported to EPA on either the electronic or paper Discharge Monitoring Report (DMR) approved formats. Monitoring results can be submitted electronically in lieu of the paper DMR Form. To submit electronically, access the NetDMR website at www.epa.gov/netdmr and contact the R6NetDMR@epa.gov in-box for further instructions. Until you are approved for Net DMR, you must report on the Discharge Monitoring Report (DMR) Form EPA. No. 3320-1 in accordance with the "General Instructions" provided on the form. No additional copies are needed if reporting electronically, however when submitting paper form EPA No. 3320-1, the permittee shall submit the original DMR signed and certified as required by Part III.D.11 and all other reports required by Part III.D. to the EPA and other agencies as required. (See Part III.D.IV of the permit.)

Discharge Monitoring Report Form(s) shall be submitted quarterly. Each quarterly submittal shall include separate forms for each month of the reporting period.

2. Reporting periods shall end on the last day of the months March, June, September, and December.
3. The first Discharge Monitoring Report(s) shall represent facility operations from the effective date of the permit through the last day of the current reporting period.
4. Thereafter, the permittee is required to submit regular quarterly reports as described above and shall submit those reports postmarked no later than the 28th day of the month following each reporting period.
5. **NO DISCHARGE REPORTING** - If there is no discharge from any outfall during the sampling month, place an "X" in the NO DISCHARGE box located in the upper right corner of the Discharge Monitoring Report.
6. If any daily maximum or monthly average value exceeds the effluent limitations specified in Part I. A, the permittee shall report the excursion in accordance with the requirements of Part III. D.
7. Any daily maximum or monthly average value reported in the required Discharge Monitoring Report which is in excess of the effluent limitation specified in Part I. A shall constitute evidence of violation of such effluent limitation and of this permit.
8. The permittee shall effectively monitor the operation and efficiency of all treatment and control facilities and the quantity and quality of the treated discharge.
9. All reports shall be sent both to EPA and the Texas Railroad Commission at the addresses shown in Part III of the permit.