RACT Evaluation Report – Chevron Salt Lake Refinery

UTAH $PM_{2.5}$ SIP RACT

Salt Lake City Nonattainment Area

Utah Division of Air Quality

Major New Source Review Section

October 1, 2014

State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of
Environmental Quality

Amanda Smith
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN101190092-15

April 16, 2015

Gregory Gabel
Chevron Products Co - SL Refinery
2351 North 1100 West
Salt Lake City, UT 84116

Dear Mr. Gabel:

Re: Approval Order: Incorporation of Consent Decree FCCU NO_x Limitations
Project Number: N10119-0092

The attached document is the Approval Order for the above-referenced project. Future correspondence on this Approval Order should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. The project engineer for this action is John Jenks, who may be reached at (801) 536-4459.

Sincerely,

Bryce C. Bird
Director

BCB:JJ:jc

cc: Mike Owens
Salt Lake Valley Health Department

STATE OF UTAH

Department of Environmental Quality

Division of Air Quality

APPROVAL ORDER: Incorporation of Consent Decree FCCU NO_x Limitations

Prepared By: John Jenks, Engineer
Phone: (801) 536-4459
Email: jjenks@utah.gov

APPROVAL ORDER NUMBER

DAQE-AN101190092-15

Date: April 16, 2015

Chevron Products Co - SL Refinery

Source Contact:
John Krogue, Environmental Specialist
Phone: (801) 539-7366
Email: john.krogue@chevron.com

Bryce C. Bird
Director

Abstract

On January 7, 2015, Chevron Products Company (Chevron) submitted a NOI to incorporate the Fluidized Catalytic Cracking Unit (FCCU) NO_x limits of the Consent Decree at its existing refinery located in Davis County; which is a maintenance area for ozone, and a nonattainment area of the NAAQS for $PM_{2.5}$. Chevron is also a listed source in Sections IX.H.2 and IX.H.12 of the SIP.

The FCCU NO_x limits are 57.8 ppmvd @ 0% O_2 on a 365-day rolling average and 106.3 ppmvd @ 0% O_2 on a 7-day rolling average. There is no change in actual or potential emissions anticipated as a result of this project. Therefore, Chevron's total PTE is expected to remain at the following tpy amounts: PM_{10} = 85, $PM_{2.5}$ = 65, NO_x 766.5, SO_2 383.3, CO 991, and VOC 1,242. Chevron is defined as a major greenhouse gas source with total CO_2e emissions of approximately 988,625 tons/yr.

This air quality AO authorizes the project with the following conditions and failure to comply with any of the conditions may constitute a violation of this order. This AO is issued to, and applies to the following:

Name of Permittee:

Chevron Products Co - SL Refinery
2351 North 1100 West
Salt Lake City, UT 84116

Permitted Location:

Chevron Products Co - SL Refinery- Salt Lake Refinery
2351 N 1100 W
Davis County, UT 84116

UTM coordinates: 422,270 m Easting, 4,519,770 m Northing, UTM Zone 12
SIC code: 2911 (Petroleum Refining)

Section I: GENERAL PROVISIONS

I.1 All definitions, terms, abbreviations, and references used in this AO conform to those used in the UAC R307 and 40 CFR. Unless noted otherwise, references cited in these AO conditions refer to those rules. [R307-101]

I.2 The limits set forth in this AO shall not be exceeded without prior approval. [R307-401]

I.3 Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved. [R307-401-1]

I.4 All records referenced in this AO or in other applicable rules, which are required to be kept by the owner/operator, shall be made available to the Director or Director's representative upon request, and the records shall include the two-year period prior to the date of the request. Unless otherwise specified in this AO or in other applicable state and federal rules, records shall be kept for a minimum of two (2) years. [R307-401-8]

I.5 At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded. [R307-401-4]

I.6 The owner/operator shall comply with R307-150 Series. Inventories, Testing and Monitoring. [R307-150]

I.7 The owner/operator shall comply with UAC R307-107. General Requirements: Breakdowns. [R307-107]

Section II: SPECIAL PROVISIONS

II.A The approved installations shall consist of the following equipment:

II.A.1 **Main Refinery**
Chevron Salt Lake Refinery

II.A.2 **F-11001**
Boiler #11001 (Boiler #1)

II.A.3 **F-11002**
Boiler #11002 (Boiler #2)

II.A.4 **F-11004**
Boiler #11004 (Boiler #4)

II.A.5 **F-11005**
Boiler #11005 (Low-NO_x)

II.A.6 **F-11006**
Boiler #11006 (Low-NO_x)

II.A.7 **16001**
Cooling Tower #16001

II.A.8 **16002**
Cooling Tower #16002

II.A.9 **16003**
Cooling Tower #16003

II.A.10 **16004**
Cooling Tower #16004 (Grandfathered)

II.A.11 **F-21001**
Crude Unit Furnace #F-21001 (Low-NO_x)

II.A.12 **F-21002**
Crude Unit Furnace #F-21002 (Low-NO_x)

II.A.13 **F-32021**
FCC Furnace F-32021

II.A.14 **F-32023**
FCC Furnace F-32023

II.A.15 **F-71010**
HDN Furnace F-71010

II.A.16 **F-71030**
HDN Furnace F-71030

II.A.17 **F-35001**
Reformer Furnace F-35001

II.A.18 **F-35002**
Reformer Furnace F-35002

II.A.19 **F-35003**
Reformer Furnace F-35003

II.A.20 **F-36017**
Alkylation Furnace F-36017 (Low-NO_x)

II.A.21 **F-70001**
Coker Furnace F-70001

II.A.22 **F-64010**
HDS Furnace F-64010 (Low-NO_x)

II.A.23 **F-64011**
HDS Furnace F-64011 (Low-NO_x)

II.A.24 **F-66100**
VGO Furnace F-66100 (Low-NO_x)

II.A.25 **F-66200**
VGO Furnace F-66200 (Low-NO_x)

II.A.26 **SRU/TGTU/TGI #1**
SRU and Tail Gas Incinerator #1

II.A.27 **SRU/TGTU/TGI #2**
SRU and Tail Gas Incinerator #2

II.A.28 **Catalyst Regenerator**
FCCU and Catalyst Regenerator

II.A.29 **F61312**
Flameless Thermal Oxidizer

II.A.30 **Coker Flare (Flare #1)**
Coker Flare (Control/Safety Device)

II.A.31 **FCCU Flare (Flare #2)**
FCCU Flare (Control/Safety Device)

II.A.32 **New Alkylation Flare (Flare #3)**
Alkylation Flare (Control/Safety Device)

II.A.33 **Diesel-Misc**
Diesel-powered back-up equipment:

1 Emergency air compressor rated at 760 HP
1 Emergency generator rated at 1340 HP
4 Emergency generators rated at 670 HP each
1 Emergency generator rated at 335 HP
1 Emergency cooling water pump rated at 630 HP
2 HF Mitigation pumps rated at 830 HP each

II.A.34 **Reformer Compressor Drivers**
Reformer Compressor Drivers (natural gas-fired)

II.A.35 **Amine Unit #1**
Amine Unit #1

II.A.36 **Amine Unit #2**
Amine Unit #2

II.A.37 **K36067**
Lime Loading Facility K36067

II.A.38 **FCC Fines Bin**

II.B Requirements and Limitations

II.B.1 **Conditions on permitted source (source-wide)**

II.B.1.a The owner/operator shall notify the Director in writing when the new #3 flare, FCCU internal overflow well, and GRU changes have been installed and are operational. To ensure proper credit when notifying the Director, send your correspondence to the Director, attn: Compliance Section.

If the owner/operator has not notified the Director in writing by February 4, 2016 on the status of the construction and/or installation, the Director shall require documentation of the continuous construction and/or installation of the operation. If a continuous program of construction and/or installation is not proceeding, the Director may revoke the AO. [R307-401-18]

II.B.1.b The owner/operator shall use only plant gas or purchased natural gas as a primary fuel. HF Alkylation Polymer may be burned in the Alky Furnace (F-3617). Plant Coke may be burned in the FCC Catalyst Regenerator. If any other fuel is to be used, an AO shall be required. [R307-401]

II.B.1.c Unless otherwise specified, the sulfur content of plant fuel oil burned within the plant shall not exceed 1.5% by weight. Compliance with the limitation shall be based on the most recent determination of sulfur content of the fuel oil. ASTM Method D-4294-89 or an approved equivalent shall determine the sulfur content. Certification of other fuels shall be by Chevron's own testing or test reports from the fuel marketer. Fuel oil may only be burned during periods of natural gas curtailment. [R307-401]

II.B.1.d Visible emissions from this source shall not exceed those set in the SIP Section IX, Part H, Subpart 1.i. [R307-401]

II.B.1.e For all stack testing performed at this source:

The applicant shall provide a pre-test protocol at least 45 days prior to the test. A pretest conference between the owner/operator, the tester, and the Director shall be held at least 30 days prior to the test if directed by the Director. The emission point shall conform to the requirements of 40 CFR 60, Appendix A, Method 1. Occupational Safety and Health Administration (OSHA) approved access shall be provided to the test location. The throughput rate during stack testing shall be no less than 90% of the rated throughput or 90% of the highest monthly throughput achieved in the previous three years whichever is the least. If the desired throughput rate is not achieved at the time of testing, the achieved throughput rate +10% will become the maximum allowable throughput rate. Additional testing shall be required, following the same procedure, to establish a higher throughput rate if the existing maximum allowable throughput rate is to be exceeded.

Where appropriate, the following test methods shall be used, although other EPA-approved test methods acceptable to the Director can be substituted and approved through the pre-test protocol:

Volumetric flow rate - 40 CFR 60, Appendix A, Method 2

SO_2 emissions - 40 CFR 60, Appendix A, Method 6C

NO_x emissions - 40 CFR 60, Appendix A, Method 7E

PM_{10} and $PM_{2.5}$ emissions - 40 CFR 51, Appendix M, Methods 201a and 202

To determine mass emission rates (lbs/hr, etc.), the pollutant concentration, as determined by the appropriate methods above, shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Director to give the results in the specified units of the emission limitation. [R307-401]

II.B.2 **Conditions on SO_2 Cap Sources and Source-wide SO_2 Conditions**

II.B.2.a Combined emissions of SO_2 shall not exceed 0.5 tons/day for all sources included in the SO_2 emissions cap. [R307-401]

II.B.2.a.1 Compliance with the daily limitation shall be determined by summing the emissions calculated as follows:

Daily SO_2 emissions from affected units shall be determined by multiplying the quantity of each fuel used daily (24 hr usage) at each affected unit by the appropriate emission factor below. The values shall be summed to show the total daily sulfur dioxide emission.

Emission factors (EF) for the various fuels shall be as follows:

Natural gas: EF = 0.60 lb/MMscf

Fuel oil & HF Alkylation polymer: The emission factor to be used for combustion shall be calculated based on the weight percent of sulfur, as determined by ASTM Method D-4294-89 or approved equivalent, and the density of the fuel oil, as follows:

EF (lb SO_2/k gal) = density (lb/gal) * (1000 gal/k gal) * wt.% S/100 * (64 lb SO_2/32 lb S)

Plant gas: the emission factor shall be calculated from the H_2S measurement obtained from the H_2S continuous emission monitor required elsewhere in this permit. The emission factor shall be calculated as follows:

EF (lb SO_2/MMscf gas) = (24 hr avg. ppmdv H_2S) /10^6 * (64 lb SO_2/lb mole) * (10^6 scf/MMscf)/(379 scf/lb mole)

The source shall maintain a record of fuel meter identifiers and locations, conversion factors, and other information required to demonstrate the required calculations. Records shall be kept showing the daily fuel usage, fuel meter readings, required fuel properties, hours of equipment operation, and calculated daily emissions.

For continuous emission monitor calculations the monitor shall be maintained and calibrated in accordance with R307- 170, UAC. 40 CFR 60 Methods 2, 3A and 6C shall be used to determine relative accuracy. If a new monitor is installed, an initial performance test shall be performed within 30 days of installation. The performance test shall be conducted and data reduced in accordance with the test methods and procedures contained in 40 CFR 60, Appendix B: Performance Specification 2. Notification must be made to the Director prior to conducting the performance test. Whenever the SO_2 CEM is bypassed for short periods, SO_2

CEM data from the previous three days will be averaged and used as an emission factor to determine emissions. [R307-401]

II.B.2.b Combined emissions of SO_2 shall not exceed 150.0 tons/yr for all sources included in the SO_2 emissions cap. [R307-401]

II.B.2.c By no later than January 1, 2019, combined emissions of SO_2 shall not exceed 1.05 tons per day (tpd) and 383.3 tons per rolling 12-month period.

Daily SO_2 emissions from affected units shall be determined by multiplying the quantity of each fuel used daily (24 hr usage) at each affected unit by the appropriate emission factor listed below. The values shall be summed to show the total daily sulfur dioxide emission.

Emission factors (EF) for the various fuels and emission points shall be as follows:

FCC Regenerator: The emission rate shall be determined by the FCC Regenerator SO_2 CEM

SRUs: The emission rate shall be determined by multiplying the sulfur dioxide concentration in the flue gas by the mass flow of the flue gas. The sulfur dioxide concentration in the flue gas shall be determined by CEM.

Natural gas: EF = 0.60 lb/MMscf

Fuel oil & HF Alkylation polymer: The emission factor to be used for combustion shall be calculated based on the weight percent of sulfur, as determined by ASTM Method D-4294-89 or EPA-approved equivalent acceptable to the Director, and the density of the fuel oil, as follows:

EF (lb SO_2/k gal) = density (lb/gal) * (1000 gal/k gal) * wt.% S/100 * (64 lb SO_2/32 lb S)

Plant gas: the emission factor shall be calculated from the H_2S measurement obtained from the H_2S CEM. The emission factor shall be calculated as follows:

EF (lb SO_2/MMscf gas) = (24 hr avg. ppmdv H_2S) /10^6 * (64 lb SO_2/lb mole) * (10^6 scf/MMscf)/(379 scf/lb mole)

Chevron shall maintain a record of fuel meter identifiers and locations, conversion factors, and other information required to demonstrate the required calculations. Records shall be kept showing the daily fuel usage, fuel meter readings, required fuel properties, hours of equipment operation, and calculated daily emissions. [SIP Section IX.H.12]

II.B.2.d Each month, the SO_2 emissions calculated to show compliance with the daily limitations for the previous month, shall be summed to give a monthly emission total. This shall be added to the previous 11 months' emission totals to give the new 12-month rolling total. [R307-401]

II.B.3 **Conditions on NO_x Cap Sources and Source-wide NO_x**

II.B.3.a Combined emissions of NO_x shall not exceed 2.52 tons/day for all sources included in the NO_x emissions cap. [R307-401]

II.B.3.a.1 The sources, fuels, and associated emission factors for the above limitation are as follows:

Sources included in emission cap	Fuel Type	NO_x Emission factors
Boilers #1, #2, and #4	Plant gas	100 lb/MMscf
Boiler #11005	Plant gas	50 lb/MMscf
Boiler #F11006	Plant gas	50 lb/MMscf
Crude Unit Furnace F-21001	Plant gas	50 lb/MMscf

Crude Unit Furnace F-21002	Plant gas	50 lb/MMscf
FCC Furnace F-32021	Plant gas	100 lb/MMscf
FCC Furnace F-32023	Plant gas	100 lb/MMscf.
HDN Furnace F-71010	Plant gas	100 lb/MMscf
HDN Furnace F-71030	Plant gas	100 lb/MMscf
Reformer Furnace F-35001	Plant gas	100 lb/MMscf
Reformer Furnace F-35002	Plant gas	100 lb/MMscf
Reformer Furnace F-35003	Plant gas	100 lb/MMscf
Alkylation Furnace F-36017	Plant gas	50 lb/MMscf
HF alkylation polymer	Polymer oil	120 lb/kgal
Coker Furnace F-70001	Plant gas	100 lb/MMscf
HDS Furnace F-64010	Plant gas	50 lb/MMscf
HDS Furnace F-64011	Plant gas	50 lb/MMscf
VGO Furnaces F-66100 and F-66200	Plant gas	32 lb/MMscf
Reformer Compressor Drivers	Natural gas	3400 lb/MMscf
SRU Tail Gas Incinerator #1	Plant gas	100 lb/MMscf
SRU Tail Gas Incinerator #2	Plant gas	50 lb/MMscf

All units in the above list shall be stack-tested if directed by the Director. The permitted source may also perform a stack test to provide information for updating the emission factors listed above. [R307-401]

II.B.3.a.2 Compliance with the daily limitation shall be determined by summing the emissions calculated as follows:

Compliance with the daily limit shall be determined daily by multiplying the quantity of each fuel burned at each affected unit by the associated emission factor for that fuel at that unit, and summing the results.

All units included in the NO_x emissions cap shall be stack-tested if directed by the Director. The permitted source may also perform a stack test to provide information for updating the above emission factors.

For continuous emission monitor calculations, the monitor shall be maintained and calibrated in accordance with R307-170, UAC. 40 CFR 60 Methods 2, 3A and 7E shall be used to determine relative accuracy. If a new monitor is installed, an initial performance test shall be performed within 30 days of installation. The performance test shall be conducted and data reduced in accordance with the test methods and procedures contained in 40 CFR 60, Appendix B: Performance Specification 2. Notification must be made to the Director prior to conducting the performance test. Whenever the NO_x CEM is bypassed for short periods, NO_x CEM data from the previous three days will be averaged and used as an emission factor to determine emissions. The volumetric flow rate will be determined using a method approved by the Director.

The source shall maintain a record of fuel meter identifiers and locations, conversion factors, and other information required to demonstrate the required calculations. Records shall be kept showing the daily fuel usage, fuel meter readings, required fuel properties, hours of equipment operation, and calculated daily emissions. [R307-401]

II.B.3.b Combined emissions of NO_x shall not exceed 303 tons per rolling 12-month period for boilers 1, 2, 4, 5 and 6. [R307-403-2]

II.B.3.c Combined emissions of NO_x shall not exceed 921.6 tons per rolling 12-month period for all sources included in the NO_x emissions cap. [R307-401]

II.B.3.d By no later than January 1, 2019, combined emissions of NO_x shall not exceed 2.1 tons per day (tpd) and 766.5 tons per rolling 12-month period.

Compliance with the daily limit shall be determined daily by multiplying the quantity of each fuel burned at each affected unit by the associated emission factor for that fuel at that unit, and summing the results.

Chevron shall maintain a record of fuel meter identifiers and locations, conversion factors, and other information required to demonstrate the required calculations. Records shall be kept showing the daily fuel usage, fuel meter readings, required fuel properties, hours of equipment operation, and calculated daily emissions.

The emission factors to be used for the above limitations are as follows:

Natural Gas/Plant Gas: by individual furnace/boiler as listed in Condition II.B.3.a.2

FCC Regenerator: The emission rate shall be determined by the FCC Regenerator NO_x CEM

All other emission units shall be stack-tested if directed by the Director. Chevron may also perform a stack test to provide information for updating the emission factors. [SIP Section IX.H.12]

II.B.3.e Each month, the NO_x emissions calculated to show compliance with the daily limitations for the previous month, shall be summed to give a monthly emission total. This shall be added to the previous 11 months' emission totals to give the new 12-month rolling total. [R307-401]

II.B.4 **Conditions on PM_{10} Cap Sources and Source-wide $PM_{2.5}$**

II.B.4.a Combined emissions of PM_{10} shall not exceed 0.234 tons/day for all sources included in the PM_{10} emissions cap. [R307-401]

II.B.4.a.1 Compliance with the daily PM_{10} limit shall be determined daily by multiplying the quantity of each fuel burned at the affected units by the associated emission factor for that fuel, and summing the results. The emission factors for this limitation are as follows:

Natural gas: 1.9 lb/MMscf
Plant gas: 1.9 lb/MMscf
Fuel Oil/ HF alkylation polymer shall be determined based on the sulfur content of the fuel (S) according to the equation:

EF (lb/1000 gal) = (Wt. % S * 10) + 3.22

Units shall be stack-tested if directed by the Director. The permitted source may also perform a stack test to provide information for updating the emission factors listed above.

The PM_{10} emission factor for the FCC Catalyst Regenerator shall be determined by a stack test at least once every three years. Mass emission rates (lbs/hr, etc.), the pollutant concentration, as determined by the appropriate methods, shall be multiplied by the volumetric flow rate and any necessary conversion factors as determined by the Director to establish the FCC Catalyst Regenerator PM_{10} emission factor. [R307-401]

II.B.4.b By no later than January 1, 2019, combined emissions of filterable $PM_{2.5}$ shall not exceed 0.18 tons per day (tpd) and 65 tons per rolling 12-month period.

Compliance with the daily $PM_{2.5}$ limit shall be determined daily by multiplying the quantity of each fuel burned at the affected units by the associated emission factor for that fuel, and summing the results.

$PM_{2.5}$ emissions shall be determined daily by applying the listed emission factors or emission factors determined from the most current performance test to the relevant quantities of fuel combusted. Unless adjusted by performance testing as discussed above, the default emission factors to be used are as follows:

Natural gas - 1.9 lb/MMscf (filterable), 5.7 lb/MMscf (condensable)
Plant gas - 1.9 lb/MMscf (filterable), 5.7 lb/MMscf (condensable)

Fuel Oil/ HF alkylation polymer: The filterable $PM_{2.5}$ emission factor shall be determined based on the sulfur content of the fuel (S) according to the equation:

EF (lb/1000 gal) = (Wt. % S * 10) + 3.22

The condensable $PM_{2.5}$ emission factor for fuel oil combustion shall be determined from the latest edition of AP-42.

Daily plant gas consumption at the furnaces and boilers shall be measured by flow meters.

Daily fuel oil consumption shall be monitored with tank gauges. Fuel oil consumption shall be allowed only during periods of natural gas curtailment.

The filterable $PM_{2.5}$ emission factor for the FCC Catalyst Regenerator shall be determined based on the results of the most recent stack test.

By no later than January 1, 2017, Chevron shall conduct stack testing to establish the ratio of condensable $PM_{2.5}$ from the FCC Catalyst Regenerator and SRUs. At that time the condensable fraction will be added and a new source-wide limitation shall be established in the AO. [SIP Section IX.H.12]

II.B.4.c Each month, the PM_{10} emissions calculated to show compliance with the daily limitations for the previous month, shall be summed to give a monthly emission total. This shall be added to the previous 11 months' emission totals to give the new 12-month rolling total. [R307-401]

II.B.5 **<u>Conditions on Boiler #11005</u>**

II.B.5.a The sulfur content of any fuel oil or diesel burned in Boiler #11005 shall not exceed 0.5 percent by weight for fuel oil consumed. [R307-401]

II.B.5.b The nitrogen content of fuel oil burned in Boiler #11005 shall not exceed 0.3 weight percent. Compliance with this limitation shall be based on records of the nitrogen content of the fuel oil combusted in the Boiler and calculation of the average fuel nitrogen content on a per calendar quarter basis. The nitrogen content shall be determined by using ASTM Method D3431-80 or fuel suppliers. [R307-401]

II.B.5.c NO_x emissions shall not exceed the following rate on a 30-day rolling average basis: [NSPS Db 60.44b(b) and 60.44b(i)]

En = ((0.1 x Hgo) + (0.2 x Hr)) / (Hgo + Hr)

Where:
En = NO_x emission limit (lb/MMbtu)
Hgo = 30-day heat input from combustion of natural gas or distillate oil
Hr = 30-day heat input from combustion of any other fuel. [40 CFR 60 Subpart Db]

II.B.5.c.1 The NO_x emission rate shall be predicted based on excess O_2 in the flue gas and by boiler loading as specified in a plan submitted to and approved by the Director [NSPS Db 60.48b(g)(2)]. Predicted NO_x emission rate shall be evaluated at least every three (3) years through testing as outlined in Condition II.B.1.e. [40 CFR 60 Subpart Db]

II.B.6 **Conditions on Boiler #11006**

II.B.6.a The sulfur content of any fuel oil or diesel burned in Boiler #11006 shall not exceed 0.5 percent by weight for fuel oil consumed. [R307-401]

II.B.6.b The nitrogen content of fuel oil burned in Boiler #11006 shall not exceed 0.3 weight percent. Compliance with this limitation shall be based on records of the nitrogen content of the fuel oil combusted in the Boiler and calculation of the average fuel nitrogen content on a per calendar quarter basis. The nitrogen content shall be determined by using ASTM Method D3431-80 or fuel suppliers. [R307-401]

II.B.6.c NO_x emissions shall not exceed the following rate on a 30-day rolling average basis: [NSPS Db §60.44b(b) and §60.44b(i)]

En = ((0.1 x Hgo) + (0.2 x Hr)) / (Hgo + Hr)

Where:
En = NO_x emission limit (lb/MMbtu)
Hgo = 30-day heat input from combustion of natural gas or distillate oil
Hr = 30-day heat input from combustion of any other fuel. [40 CFR 60 Subpart Db]

II.B.6.c.1 The NO_x emission rate shall be predicted based on excess O_2 in the flue gas and by boiler loading as specified in a plan submitted to and approved by the Director [NSPS Db 60.48b(g)(2)]. Predicted NO_x emission rate shall be evaluated at least every three (3) years through testing as outlined in Condition II.B.1.e. [40 CFR 60 Subpart Db]

II.B.7 **Conditions on SRU and Tail Gas Treatment Unit #1**

II.B.7.a The SRU shall remove no less than 95% of the sulfur contained in the feed streams to this unit. The feed streams shall include the overhead stream from the amine unit regenerators and the overhead stream from the sour water strippers [SIP Section IX.H.2.a.M.A.1]. [R307-401]

II.B.7.b Emissions of SO_2 from SRU #1 shall not exceed 0.242 tons/day. [R307-401]

II.B.7.b.1 Daily sulfur dioxide emissions shall be determined by multiplying the sulfur dioxide concentration in the flue gas by the mass flow of the flue gas.

The sulfur dioxide concentration in the flue gas shall be determined by a continuous emission monitor that meets or exceeds the requirements contained in 40 CFR 60, Appendix B: Performance Specification 2. The monitor shall be maintained and calibrated in accordance with R307- 170, UAC. 40 CFR 60 Methods 2, 3A and 6C shall be used to determine relative accuracy. If a new monitor is installed, an initial performance test shall be performed within 30 days of installation. The performance test shall be conducted and data reduced in accordance with the test methods and procedures contained in 40 CFR 60, Appendix B: Performance Specification 2. Notification must be made to the Director prior to conducting the performance test. Whenever the SO_2 CEM is bypassed for short periods, SO_2 CEM data from the previous three days will be averaged and used as an emission factor to determine emissions.

The mass flow rate of the flue gas shall be determined by a volumetric flow measurement device that meets or exceeds the requirements contained in 40 CFR 52 Appendix E. An annual relative accuracy test audit shall be conducted, and quarterly reports submitted, in accordance with the procedures outlined in R307-170, UAC, and 40 CFR 52 Appendix E. If a

new volumetric flow measurement device is installed, an initial performance test shall be performed within 30 days of installation. The performance test shall be conducted and data reduced in accordance with the test methods and procedures contained in 40 CFR 52 Appendix E. Notification must be made to the Director prior to conducting the performance test. The source shall maintain records of the SO_2 concentration, the mass flow rate, and the resulting calculated emissions. Records of all CEM calibrations shall also be maintained. [R307-401]

II.B.7.c Emissions of SO_2 from SRU #1 shall not exceed 88.5 tons/yr. [R307-401]

II.B.7.c.1 Compliance shall be determined on a 12-month rolling average. Each month, the SO_2 emissions calculated to show compliance with the daily limitations for the previous month shall be summed to give a monthly emission total. This shall be added to the previous 11 months' emission totals to give the new 12-month rolling total. [R307-401]

II.B.8 **Conditions on SRU and Tail Gas Treatment Unit #2**

II.B.8.a The SRU shall remove no less than 95% of the sulfur contained in the feed streams to this unit. The feed streams shall include the overhead stream from the amine unit regenerators and the overhead stream from the sour water strippers [SIP Section IX.H.2.a.M.A.1]. [R307-401]

II.B.8.b Emissions of SO_2 from SRU #2 shall not exceed 0.268 tons/day. [R307-401]

II.B.8.b.1 Daily sulfur dioxide emissions shall be determined by multiplying the sulfur dioxide concentration in the flue gas by the mass flow of the flue gas.

The sulfur dioxide concentration in the flue gas shall be determined by a continuous emission monitor that meets or exceeds the requirements contained in 40 CFR 60, Appendix B: Performance Specification 2. The monitor shall be maintained and calibrated in accordance with R307- 170, UAC. 40 CFR 60 Methods 2, 3A and 6C shall be used to determine relative accuracy. If a new monitor is installed, an initial performance test shall be performed within 30 days of installation. The performance test shall be conducted and data reduced in accordance with the test methods and procedures contained in 40 CFR 60, Appendix B: Performance Specification 2. Notification must be made to the Director prior to conducting the performance test. Whenever the SO_2 CEM is bypassed for short periods, SO_2 CEM data from the previous three days will be averaged and used as an emission factor to determine emissions.

The mass flow rate of the flue gas shall be determined by a volumetric flow measurement device that meets or exceeds the requirements contained in 40 CFR 52 Appendix E. An annual relative accuracy test audit shall be conducted, and quarterly reports submitted, in accordance with the procedures outlined in R307-170, UAC, and 40 CFR 52 Appendix E. If a new volumetric flow measurement device is installed, an initial performance test shall be performed within 30 days of installation. The performance test shall be conducted and data reduced in accordance with the test methods and procedures contained in 40 CFR 52 Appendix E. Notification must be made to the Director prior to conducting the performance test. The source shall maintain records of the SO_2 concentration, the mass flow rate, and the resulting calculated emissions. Records of all CEM calibrations shall also be maintained. [R307-401]

II.B.8.c Emissions of SO_2 from SRU #2 shall not exceed 97.7 tons/yr. [R307-401]

II.B.8.c.1 Compliance shall be determined on a 12-month rolling average. Each month, the SO_2 emissions calculated to show compliance with the daily limitations for the previous month shall be summed to give a monthly emission total. This shall be added to the previous 11 months' emission totals to give the new 12-month rolling total. [R307-401]

II.B.9 **Conditions on the FCCU and Catalyst Regenerator**

II.B.9.a Emissions of SO_2 from the FCCU Regenerator Vent shall not exceed the following rates and concentrations:

A. 25 ppmvd SO_2 @ 0% O_2 on a 365-day rolling average

B. 50 ppmvd SO_2 @ 0% O_2 on a 7-day rolling average

C. 50 tons of SO_2 on a 12-month rolling average

D. 0.28 tons of SO_2 per day.

[R307-401]

II.B.9.a.1 The SO_2 emission factor for the FCCU and Catalyst Regenerator shall be determined by continuous emission monitor. The regenerator flow rate calculation established in 40 CFR 63 Subpart UUU (MACT UUU) shall be used in conjunction for this calculation.

For continuous emission monitor calculations the monitor shall be maintained and calibrated in accordance with R307- 170, UAC. 40 CFR 60 Methods 2, 3A and 6C shall be used to determine relative accuracy. If a new monitor is installed, an initial performance test shall be performed within 30 days of installation. The performance test shall be conducted and data reduced in accordance with the test methods and procedures contained in 40 CFR 60, Appendix B: Performance Specification 2. Notification must be made to the Director prior to conducting the performance test. Whenever the SO_2 CEM is bypassed for short periods, SO_2 CEM data from the previous three days will be averaged and used as an emission factor to determine emissions.

For stack test calculations, mass emission rates (lbs/hr, etc.), the pollutant concentration, as determined by the appropriate methods, shall be multiplied by the volumetric flow rate and any necessary conversion factors as determined by the Director to establish the FCCU and Catalyst Regenerator SO_2 emission factor.

The source shall maintain a record of fuel meter identifiers and locations, conversion factors, and other information required to demonstrate the required calculations. Records shall be kept showing the daily fuel usage, fuel meter readings, required fuel properties, hours of equipment operation, and calculated daily emissions. [R307-150]

II.B.9.b Emissions of NO_x from the FCCU Regenerator Vent shall not exceed the following rates:

A. 100 tons of NO_x per year on a rolling 12-month basis

B. 0.55 tons per day

C. 57.8 ppmvd @ 0% O_2 on a 365-day rolling average

D. 106.3 ppmvd @ 0% O_2 on a 7-day rolling average

The NO_x long-term limit listed in C. above shall apply at all times the FCCU is in operation.

The NO_x short-term limit listed in D. above shall exclude periods of startup, shutdown, and malfunction. It shall also exclude FCCU feed hydrotreater outage if Chevron complies with an EPA-approved hydrotreater outage plan. It shall apply at all other times the FCCU is in operation.

[R307-401]

II.B.9.b.1 The NO_x emission factor for the FCCU and Catalyst Regenerator shall be determined by continuous emission monitor. The regenerator flow rate calculation established in 40 CFR 63 Subpart UUU (MACT UUU) shall be used in conjunction for this calculation.

For continuous emission monitor calculations, the monitor shall be maintained and calibrated in accordance with R307-170, UAC. 40 CFR 60 Methods 2, 3A and 7E shall be used to determine relative accuracy. If a new monitor is installed, an initial performance test shall be performed within 30 days of installation. The performance test shall be conducted and data reduced in accordance with the test methods and procedures contained in 40 CFR 60, Appendix B: Performance Specification 2. Notification must be made to the Director prior to conducting the performance test. Whenever the NO_x CEM is bypassed for short periods, NO_x CEM data from the previous three days will be averaged and used as an emission factor to determine emissions.

For stack test calculations, mass emission rates (lbs/hr, etc.), the pollutant concentration, as determined by the appropriate methods, shall be multiplied by the volumetric flow rate and any necessary conversion factors as determined by the Director to establish the FCCU and Catalyst Regenerator NO_x emission factor.

The source shall maintain a record of fuel meter identifiers and locations, conversion factors, and other information required to demonstrate the required calculations. Records shall be kept showing the daily fuel usage, fuel meter readings, required fuel properties, hours of equipment operation, and calculated daily emissions. [R307-150]

II.B.9.c Emissions of CO from the FCCU shall not exceed 500 ppmvd at 0% O_2 on a 1-hour average basis. CO emissions during periods of startup, shutdown or malfunction shall not be used when determining compliance with this emission limit. [R307-401-8]

II.B.10 **Conditions on Miscellaneous Diesel-fired Equipment**

II.B.10.a Each of the diesel-fired emergency and back-up equipment is limited to 100 hours of operation per rolling 12-month period for testing and maintenance purposes. [R307-401]

Section III: APPLICABLE FEDERAL REQUIREMENTS

In addition to the requirements of this AO, all applicable provisions of the following federal programs have been found to apply to this installation. This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including UAC R307.

NSPS (Part 60), A: General Provisions
NSPS (Part 60), Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units
NSPS (Part 60), J: Standards of Performance for Petroleum Refineries
NSPS (Part 60), Ja: Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
NSPS (Part 60), Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984
NSPS (Part 60), GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After January 4, 1983, and on or Before November 7, 2006
NSPS (Part 60), QQQ: Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems
NSPS (Part 60), IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
NESHAP (Part 61), A: General Provisions
NESHAP (Part 61), FF: National Emission Standard for Benzene Waste Operations

MACT (Part 63), A: General Provisions
MACT (Part 63), CC: National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries
MACT (Part 63), UUU: National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units
MACT (Part 63), EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
MACT (Part 63), ZZZZ: National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
MACT (Part 63), DDDDD: National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters
Title V (Part 70) major source

PERMIT HISTORY

This AO is based on the following documents:

Is Derived From	Source Submitted NOI dated January 7, 2015
Supersedes	DAQE-AN101190091-14 dated August 4, 2014

ADMINISTRATIVE CODING

The following information is for UDAQ internal classification use only:

Davis County
CDS A
PSD, Nonattainment or Maintenance Area, Title V (Part 70) major source, $PM_{2.5}$ Moderate Area SIP, PM_{10} SIP / Maint Plan, NESHAP (Part 61), Major HAP source, NSPS (Part 60), MACT (Part 63)

ACRONYMS

The following lists commonly used acronyms and associated translations as they apply to this document:

40 CFR	Title 40 of the Code of Federal Regulations
AO	Approval Order
BACT	Best Available Control Technology
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CDS	Classification Data System (used by EPA to classify sources by size/type)
CEM	Continuous emissions monitor
CEMS	Continuous emissions monitoring system
CFR	Code of Federal Regulations
CMS	Continuous monitoring system
CO	Carbon monoxide
CO_2	Carbon Dioxide
CO_2e	Carbon Dioxide Equivalent - 40 CFR Part 98, Subpart A, Table A-1
COM	Continuous opacity monitor
DAQ	Division of Air Quality (typically interchangeable with UDAQ)
DAQE	This is a document tracking code for internal UDAQ use
EPA	Environmental Protection Agency
FDCP	Fugitive dust control plan
GHG	Greenhouse Gas(es) - 40 CFR 52.21 (b)(49)(i)
GWP	Global Warming Potential - 40 CFR Part 86.1818-12(a)
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
LB/HR	Pounds per hour
MACT	Maximum Achievable Control Technology
MMBTU	Million British Thermal Units
NAA	Nonattainment Area
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NO_x	Oxides of nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PM_{10}	Particulate matter less than 10 microns in size
$PM_{2.5}$	Particulate matter less than 2.5 microns in size
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
R307	Rules Series 307
R307-401	Rules Series 307 - Section 401
SO_2	Sulfur dioxide
Title IV	Title IV of the Clean Air Act
Title V	Title V of the Clean Air Act
TPY	Tons per year
UAC	Utah Administrative Code
UDAQ	Utah Division of Air Quality (typically interchangeable with DAQ)
VOC	Volatile organic compounds

Company: Chevron Products Co - Salt Lake
Site ID: 10119
Project: PM10 SIP
Date: 3/17/2015

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119

35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119

35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	5	324110	2911	10119

35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!

35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119

35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119

35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119

35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!

County FIPS	Category NAICS	NAICS	SIC	Site ID
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
35	5	324110	2911	10119
35	5	324110	2911	10119
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!

e Refinery

Site Name	Comp ID	Process ID	Process Code
Chevron Products Co - Salt Lake Refinery	3874	1	a
Chevron Products Co - Salt Lake Refinery	3875	1	a
Chevron Products Co - Salt Lake Refinery	3876	1	a
Chevron Products Co - Salt Lake Refinery	3877	1	a
Chevron Products Co - Salt Lake Refinery	3878	1	a
Chevron Products Co - Salt Lake Refinery	3886	1	a
Chevron Products Co - Salt Lake Refinery	3887	1	a
Chevron Products Co - Salt Lake Refinery	3888	1	a
Chevron Products Co - Salt Lake Refinery	3889	1	a
Chevron Products Co - Salt Lake Refinery	3890	1	a
Chevron Products Co - Salt Lake Refinery	3891	1	a
Chevron Products Co - Salt Lake Refinery	3892	1	a
Chevron Products Co - Salt Lake Refinery	3893	1	a
Chevron Products Co - Salt Lake Refinery	3894	1	a
Chevron Products Co - Salt Lake Refinery	3895	1	a
Chevron Products Co - Salt Lake Refinery	3896	1	a
Chevron Products Co - Salt Lake Refinery	3897	1	a
Chevron Products Co - Salt Lake Refinery	3898	1	a
Chevron Products Co - Salt Lake Refinery	3899	1	a
Chevron Products Co - Salt Lake Refinery	4333	1	a
Chevron Products Co - Salt Lake Refinery	4334	1	a
Chevron Products Co - Salt Lake Refinery	5479	1	a
Chevron Products Co - Salt Lake Refinery	5745	1	a
Chevron Products Co - Salt Lake Refinery	5785	1	a
Chevron Products Co - Salt Lake Refinery	5893	1	a
Chevron Products Co - Salt Lake Refinery	5894	1	a
Chevron Products Co - Salt Lake Refinery	5895	1	a
Chevron Products Co - Salt Lake Refinery	5896	1	a
Chevron Products Co - Salt Lake Refinery	5897	1	a
Chevron Products Co - Salt Lake Refinery	5898	1	a
Chevron Products Co - Salt Lake Refinery	5899	1	a
Chevron Products Co - Salt Lake Refinery	5900	1	a
Chevron Products Co - Salt Lake Refinery	5901	1	a
Chevron Products Co - Salt Lake Refinery	5902	1	a
Chevron Products Co - Salt Lake Refinery	5903	1	a

Chevron Products Co - Salt Lake Refinery	5904	1	a
Chevron Products Co - Salt Lake Refinery	5905	1	a
Chevron Products Co - Salt Lake Refinery	5906	1	a
Chevron Products Co - Salt Lake Refinery	5907	1	a
Chevron Products Co - Salt Lake Refinery	5908	1	a
Chevron Products Co - Salt Lake Refinery	5909	1	a
Chevron Products Co - Salt Lake Refinery	5910	1	a
Chevron Products Co - Salt Lake Refinery	5911	1	a
Chevron Products Co - Salt Lake Refinery	5912	1	a
Chevron Products Co - Salt Lake Refinery	5913	1	a
Chevron Products Co - Salt Lake Refinery	5915	1	a
Chevron Products Co - Salt Lake Refinery	5916	1	a
Chevron Products Co - Salt Lake Refinery	5917	1	a
Chevron Products Co - Salt Lake Refinery	5918	1	a
Chevron Products Co - Salt Lake Refinery	5919	1	a
Chevron Products Co - Salt Lake Refinery	5920	1	a
Chevron Products Co - Salt Lake Refinery	5922	1	a
Chevron Products Co - Salt Lake Refinery	5923	1	a
Chevron Products Co - Salt Lake Refinery	5924	1	a
Chevron Products Co - Salt Lake Refinery	5925	1	a
Chevron Products Co - Salt Lake Refinery	5926	1	a
Chevron Products Co - Salt Lake Refinery	5927	1	a
Chevron Products Co - Salt Lake Refinery	5928	1	a
Chevron Products Co - Salt Lake Refinery	5965	1	a
Chevron Products Co - Salt Lake Refinery	5966	1	a
Chevron Products Co - Salt Lake Refinery	5992	1	a
Chevron Products Co - Salt Lake Refinery	5993	1	a
Chevron Products Co - Salt Lake Refinery	5994	1	a
Chevron Products Co - Salt Lake Refinery	5995	1	a
Chevron Products Co - Salt Lake Refinery	5999	1	a
Chevron Products Co - Salt Lake Refinery	6000	1	a
Chevron Products Co - Salt Lake Refinery	6001	1	a
Chevron Products Co - Salt Lake Refinery	6002	1	a
Chevron Products Co - Salt Lake Refinery	6003	1	a
Chevron Products Co - Salt Lake Refinery	6004	1	a
Chevron Products Co - Salt Lake Refinery	6005	1	a
Chevron Products Co - Salt Lake Refinery	6006	1	a
Chevron Products Co - Salt Lake Refinery	6007	1	a
Chevron Products Co - Salt Lake Refinery	6008	1	a
Chevron Products Co - Salt Lake Refinery	6009	1	a
Chevron Products Co - Salt Lake Refinery	6010	1	a
Chevron Products Co - Salt Lake Refinery	6011	1	a
Chevron Products Co - Salt Lake Refinery	6012	1	a
Chevron Products Co - Salt Lake Refinery	6013	1	a
Chevron Products Co - Salt Lake Refinery	6014	1	a
Chevron Products Co - Salt Lake Refinery	6015	1	a
Chevron Products Co - Salt Lake Refinery	6016	1	a
Chevron Products Co - Salt Lake Refinery	6017	1	a
Chevron Products Co - Salt Lake Refinery	6018	1	a

Chevron Products Co - Salt Lake Refinery	6019	1	a
Chevron Products Co - Salt Lake Refinery	6020	1	a
Chevron Products Co - Salt Lake Refinery	6021	1	a
Chevron Products Co - Salt Lake Refinery	6548	1	a
Chevron Products Co - Salt Lake Refinery	6592	1	a
Chevron Products Co - Salt Lake Refinery	15040	1	a
Chevron Products Co - Salt Lake Refinery	20123	1	a
Chevron Products Co - Salt Lake Refinery	22552	1	a
Chevron Products Co - Salt Lake Refinery	167973	1	a
Chevron Products Co - Salt Lake Refinery	171145	1	a
Chevron Products Co - Salt Lake Refinery	171146	1	a
Chevron Products Co - Salt Lake Refinery	171147	1	a
Chevron Products Co - Salt Lake Refinery	171150	1	a
Chevron Products Co - Salt Lake Refinery	171188	1	a
Chevron Products Co - Salt Lake Refinery	172247	1	a
Chevron Products Co - Salt Lake Refinery	176662	1	a
Chevron Products Co - Salt Lake Refinery	176806	1	a
Chevron Products Co - Salt Lake Refinery	176830	1	a
Chevron Products Co - Salt Lake Refinery	177029	1	a
Chevron Products Co - Salt Lake Refinery	177030	1	a
Chevron Products Co - Salt Lake Refinery	177032	1	a
Chevron Products Co - Salt Lake Refinery	177033	1	a
Chevron Products Co - Salt Lake Refinery	177035	1	a
Chevron Products Co - Salt Lake Refinery	177267	1	a
Chevron Products Co - Salt Lake Refinery	177492	1	a
Chevron Products Co - Salt Lake Refinery	177493	1	a
Chevron Products Co - Salt Lake Refinery	177494	1	a
Chevron Products Co - Salt Lake Refinery	177495	1	a
Chevron Products Co - Salt Lake Refinery	177529	1	a
Chevron Products Co - Salt Lake Refinery	177530	1	a
Chevron Products Co - Salt Lake Refinery	177531	1	a
Chevron Products Co - Salt Lake Refinery	177532	1	a
Chevron Products Co - Salt Lake Refinery	177533	1	a
Chevron Products Co - Salt Lake Refinery	177534	1	a
Chevron Products Co - Salt Lake Refinery	177535	1	a

Site Name	Comp ID	Process ID	Process Code
hevron Products Co - SL Refinery: Salt Lake Refine	3874	1	a

hevron Products Co - SL Refinery: Salt Lake Refine	3875	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3876	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3877	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177551	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3878	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3886	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3887	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3888	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3889	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3890	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3891	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3892	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3893	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3894	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3895	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3896	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3897	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3898	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3899	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	4333	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177559	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	4334	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	5479	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	5745	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	5785	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177560	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	6592	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	20123	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	22552	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	167973	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171145	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171146	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171147	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171150	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171188	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	172247	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176662	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176806	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176830	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177029	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177030	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177032	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177033	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177035	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177564	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177565	1	a

Site Name	Comp ID	Process ID	Process Code
hevron Products Co - SL Refinery: Salt Lake Refine	3874	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3875	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3876	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3877	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177551	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3878	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3886	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3887	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3888	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3889	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3890	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3891	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3892	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3893	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3894	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3895	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3896	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3897	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3898	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3899	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	4333	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177559	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	4334	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	5479	1	a
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!

hevron Products Co - SL Refinery: Salt Lake Refine	5745	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	5785	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177560	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	6592	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	20123	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	22552	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	167973	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171145	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171146	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171147	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171150	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171188	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	172247	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176662	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176806	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176830	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177029	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177030	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177032	1	a
#REF!	#REF!	#REF!	#REF!
hevron Products Co - SL Refinery: Salt Lake Refine	177033	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177035	1	a
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
hevron Products Co - SL Refinery: Salt Lake Refine	177564	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177565	1	a
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!

Site Name	Comp ID	Process ID	Process Code
hevron Products Co - SL Refinery: Salt Lake Refine	3874	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3875	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3876	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3877	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177551	1	a

hevron Products Co - SL Refinery: Salt Lake Refine	3878	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3886	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3887	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3888	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3889	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3890	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3891	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3892	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3893	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3894	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3895	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3896	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3897	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3898	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3899	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	4333	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177559	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	4334	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	5479	1	a
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
hevron Products Co - SL Refinery: Salt Lake Refine	5745	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	5785	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177560	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	6592	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	20123	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	22552	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	167973	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171145	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171146	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171147	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171150	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171188	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	172247	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176662	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176806	1	a

hevron Products Co - SL Refinery: Salt Lake Refine	176830	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177029	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177030	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177032	1	a
#REF!	#REF!	#REF!	#REF!
hevron Products Co - SL Refinery: Salt Lake Refine	177033	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177035	1	a
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
hevron Products Co - SL Refinery: Salt Lake Refine	177564	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177565	1	a
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!

Site Name	Comp ID	Process ID	Process Code
hevron Products Co - SL Refinery: Salt Lake Refine	3874	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3875	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3876	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3877	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177551	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3878	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3886	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3887	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3888	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3889	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3890	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3891	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3892	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3893	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3894	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3895	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3896	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3897	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3898	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3899	1	a

hevron Products Co - SL Refinery: Salt Lake Refine	4333	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177559	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	4334	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	5479	1	a
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
hevron Products Co - SL Refinery: Salt Lake Refine	5745	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	5785	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177560	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	6592	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	20123	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	22552	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	167973	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171145	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171146	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171147	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171150	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171188	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	172247	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176662	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176806	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176830	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177029	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177030	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177032	1	a
#REF!	#REF!	#REF!	#REF!
hevron Products Co - SL Refinery: Salt Lake Refine	177033	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177035	1	a
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
hevron Products Co - SL Refinery: Salt Lake Refine	177564	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177565	1	a
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!

Site Name	Comp ID	Process ID	Process Code
hevron Products Co - SL Refinery: Salt Lake Refine	3874	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3875	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3876	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3877	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177551	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3878	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3886	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3887	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3888	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3889	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3890	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3891	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3892	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3893	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3894	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3895	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3896	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3897	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3898	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	3899	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	4333	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177559	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	4334	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	5479	1	a
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
hevron Products Co - SL Refinery: Salt Lake Refine	5745	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	5785	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177560	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	6592	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	20123	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	22552	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	167973	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171145	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171146	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171147	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171150	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	171188	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	172247	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176662	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176806	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	176830	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177029	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177030	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177032	1	a
#REF!	#REF!	#REF!	#REF!
hevron Products Co - SL Refinery: Salt Lake Refine	177033	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177035	1	a
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
hevron Products Co - SL Refinery: Salt Lake Refine	177564	1	a
hevron Products Co - SL Refinery: Salt Lake Refine	177565	1	a
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!

Component Description	Material or Fuel	Component SCC	ID	Height	Diameter
Boilers #1&2 - Fuel Gas/NG	Fuel Gas	10200701	3084	160	6.42
Boilers #1&2 - Oil	Residual Oil (No. 6)	10200701	3084	160	6.42
Boilers #4 - Fuel Gas/NG	Fuel Gas	10200701	3085	160	6.42
Boilers #3&4 - Oil	Residual Oil (No. 6)	10200701	3085	160	6.42
Crude Furnace F1&F2	Fuel Gas	30600106	3086	177	7.93
FCC Furnace F21	Fuel Gas	30600106	3090	160	4.44
FCC Furnace F23	Fuel Gas	30600106	3091	160	5.04
FCC Regenerator/ CO Boiler	Fuel Gas	10200701	3092	160	6
FCC Flare	Fuel Gas	30600904	3093	160	2.5
HDN F7110 & F7130	Fuel Gas	30600106	3094	110	5.62
Reformer Heater F1	Fuel Gas	30600106	3095	37	3.46
Reformer Heater F2	Fuel Gas	30600106	3096	44	2.98
Reformer Heater F3	Fuel Gas	30600106	3097	44	2.48
Alky F317	Fuel Gas	30600106	3098	165	4.71
Alky F3617	Polymer	30600199	3098	165	4.71
Alky Flare	Fuel Gas	30600904	3099	200	2
Coker Furnace F70001	Fuel Gas	30600106	3100	171	7.5
Coker Flare	Fuel Gas	30600904	3101	150	2.49
HDS Furnace F-10	Fuel Gas	30600106	3102	10	3.05
HDS Reboiler F-11	Fuel Gas	30600106	3103	115	4.08
Sulfur Plant	Fuel Gas	30600904	3104	165	2.21
Reformer Compressor Drivers	Natural Gas	20200202	931307	10	0
Submerged Loading	Crude Oil	40600141	931572	10	0
Splash Loading Normal	Diesel	40600140	931612	10	0
Tanks: External Floating Roof	Gasoline	40301165	931720	10	0
Tanks: External Floating Roof	Gasoline	40301166	931721	10	0
Tanks: External Floating Roof	Distillate Oil (No. 2)	40301134	931722	10	0
Tanks: External Floating Roof	Distillate Oil (No. 2)	40301105	931723	10	0
Tanks: External Floating Roof	Gasoline	40301017	931724	10	0
Tanks: External Floating Roof	Gasoline	40301105	931725	10	0
Tanks: External Floating Roof	Gasoline	40301105	931726	10	0
Tanks: External Floating Roof	Gasoline	40301105	931727	10	0
Tanks: External Floating Roof	Gasoline	40301105	931728	10	0
Tanks: External Floating Roof	Gasoline	40301125	931729	10	0
Tanks: External Floating Roof	Jet Naphtha	40301126	931730	10	0

Tanks: External Floating Roof	Jet Naphtha	40301131	931731	10	0
Tanks: External Floating Roof	Jet Naphtha	40301112	931732	10	0
Tanks: External Floating Roof	Jet Naphtha	40301112	931733	10	0
Tanks: External Floating Roof	Crude Oil	40301011	931734	10	0
Tanks: External Floating Roof	Crude Oil	40301011	931735	10	0
Tanks: External Floating Roof	Crude Oil	40301011	931736	10	0
Tanks: External Floating Roof	Crude Oil	40301011	931737	10	0
Tanks: External Floating Roof	Crude Oil	40301011	931738	10	0
Tanks: External Floating Roof	Jet Kerosene	40301112	931739	10	0
Tanks: External Floating Roof	Gasoline	40301105	931740	10	0
Tanks: External Floating Roof	Gasoline	40301105	931742	10	0
Tanks: External Floating Roof	Gasoline	40301105	931743	10	0
Tanks: External Floating Roof	Gasoline	40301105	931744	10	0
Tanks: External Floating Roof	Gasoline	40301105	931745	10	0
Tanks: External Floating Roof	Jet Naphtha	40301106	931746	10	0
Tanks: External Floating Roof	Gasoline	40301105	931747	10	0
Tanks: External Floating Roof	Toluene	40301101	931749	10	0
Tanks: External Floating Roof	Jet Naphtha	40301104	931750	10	0
Tanks: External Floating Roof	Jet Naphtha	40301104	931751	10	0
Tanks: External Floating Roof	Gasoline	40301104	931752	10	0
Tanks: External Floating Roof	Distillate Oil (No. 2)	40301112	931753	10	0
Tanks: External Floating Roof	Distillate Oil (No. 2)	40301112	931754	10	0
Tanks: External Floating Roof	Distillate Oil (No. 2)	40301112	931755	10	0
Tanks: External Floating Roof	Distillate Oil (No. 2)	40301112	931792	10	0
Tanks: External Floating Roof	Jet Naphtha	40301104	931793	10	0
Tanks: Vertical Fixed Roof	Jet Kerosene	40301017	931819	10	0
Tanks: Vertical Fixed Roof	Jet Kerosene	40301017	931820	10	0
Tanks: Vertical Fixed Roof	Jet Kerosene	40301017	931821	10	0
Tanks: Vertical Fixed Roof	Jet Kerosene	40301017	931822	10	0
Tanks: Vertical Fixed Roof	Distillate Oil (No. 2)	40301017	931826	10	0
Tanks: Vertical Fixed Roof	Distillate Oil (No. 2)	40301017	931827	10	0
Tanks: Vertical Fixed Roof	Distillate Oil (No. 2)	40301017	931828	10	0
Tanks: Vertical Fixed Roof	Jet Kerosene	40301017	931829	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931830	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931831	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931832	10	0
Tanks: Vertical Fixed Roof	Distillate Oil (No. 2)	40301017	931833	10	0
Tanks: Vertical Fixed Roof	Distillate Oil (No. 2)	40301017	931834	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931835	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931836	10	0
Tanks: Vertical Fixed Roof	Distillate Oil (No. 2)	40301017	931837	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931838	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931839	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931840	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931841	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931842	10	0
Tanks: Vertical Fixed Roof	Distillate Oil (No. 2)	40301017	931843	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931844	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931845	10	0

Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931846	10	0
Tanks: Vertical Fixed Roof	Residual Oil (No. 6)	40301017	931847	10	0
Tanks: Vertical Fixed Roof	Distillate Oil (No. 2)	40301017	931848	10	0
Tanks: Vertical Fixed Roof	Distillate Oil (No. 2)	40301154	932374	10	0
IAF	Water	30600503	932418	10	0
Tanks: External Floating Roof	Distillate Oil (No. 2)	40301021	954646	10	0
Submerged Loading	Diesel	40600135	945251	10	0
Diesel Generators*	Diesel	20200102	947646	10	0
No. 2 Cooling Tower	Cooling Water	30600701	947820	10	0
No. 3 Cooling Tower	Cooling Water	30600701	950905	10	0
No. 4 Cooling Tower	Cooling Water	30600701	950906	10	0
Boiler 32033 FCC	Natural Gas	10200701	20421	12	3.5
Various Paints	Paint	40200110	950909	11	1
Splash Loading Normal	Feed Material	40600140	950942	10	0
No. 1 Cooling Tower-new	Cooling Water	30600701	951984	10	0
Boilers #5	Fuel Gas	10200701	174806	160	6.42
Splash Loading Normal	Feed Material	40600140	954651	10	0
Refinery Wide Spills	Petroleum Liquid	30688801	954652	10	0
VGO Furnace F66100	Fuel Gas	30600106	178807	10	0
VGO Furnace F66200	Fuel Gas	30600106	178808	10	0
Tier 1 Diesel Eng	Diesel	20200103	174844	10	1
Tier 2 Diesel Eng	Diesel	20200104	174845	10	1
Plantwide Fugitives	Refinery Feed	30600815	965514	10	0
Tanks: Vertical Fixed Roof	Distillate Oil (No. 2)	40301020	965648	10	0
Heavy Liquid VOCs	Petroleum Liquid	30688801	965734	10	0
Tank Degassing	Petroleum Liquid	30688801	965735	10	0
Tanks: External Floating Roof	Distillate Oil (No. 2)	40301165	965736	10	0
Tanks: Vertical Fixed Roof	Distillate Oil (No. 2)	40301020	965737	10	0
Boiler #6	Fuel Gas	10200701	178805	10	1
Sulfur Plant 2	Fuel Gas	30600904	178806	10	1
Tanks: External Floating Roof	Gasoline	40301105	965777	10	0
Tanks: External Floating Roof	Distillate Oil (No. 2)	40301021	965778	10	0
Tanks: External Floating Roof	Residual Oil (No. 6)	40301017	965779	10	0
Tanks: External Floating Roof	Gasoline	40301105	965780	10	0
Tanks: External Floating Roof	Gasoline	40301105	965781	10	0

Component Description	Material or Fuel	Component SCC			
			ID	Height	Diameter
Boilers #1&2 - Fuel Gas/NG	Fuel Gas	10200701	3084	160	6.4

Boilers #1&2 - Oil	Residual Oil (No. 6)	10200701	3084	160	6.4
Boilers #4 - Fuel Gas/NG	Fuel Gas	10200701	3085	160	6.4
Boilers #3&4 - Oil	Residual Oil (No. 6)	10200701	3085	160	6.4
Boiler #6	Fuel Gas	10200701	3085	160	6.4
Crude Furnace F1&F2	Fuel Gas	30600106	3086	177	7.9
FCC Furnace F21	Fuel Gas	30600106	3090	160	4.4
FCC Furnace F23	Fuel Gas	30600106	3091	160	5
FCC Regenerator/ CO Boiler	Fuel Gas	10200701	3092	160	6
FCC Flare	Refinery Feed	30600904	3093	160	2.5
HDN F7110 & F7130	Fuel Gas	30600106	3094	110	5.6
Reformer Heater F1	Fuel Gas	30600106	3095	37	3.5
Reformer Heater F2	Fuel Gas	30600106	3096	44	3
Reformer Heater F3	Fuel Gas	30600106	3097	44	2.5
Alky F317	Fuel Gas	30600106	3098	165	4.7
Alky F3617	Polymer	30600106	3098	165	4.7
Alky Flare	Refinery Feed	30600904	3099	200	2
Coker Furnace F70001	Fuel Gas	30600106	3100	171	7.5
Coker Flare	Refinery Feed	30600904	3101	150	2.5
HDS Furnace F-10	Fuel Gas	30600106	3102	10	3.1
HDS Reboiler F-11	Fuel Gas	30600106	3103	115	4.1
SRU #1	Fuel Gas	30600904	3104	165	2.2
SRU #2	Fuel Gas	30600904	3104	165	2.2
Reformer Compressor Drivers	Natural Gas	20200202	931307	10	0.003
Submerged Loading	Crude Oil	40600141	931572	10	0.003
Splash Loading Normal	Diesel	40600140	931612	10	0.003
TANKS (master entry)	Refinery Feed	40301017	965765	10	0.003
IAF	Water	30600503	932418	10	0.003
Submerged Loading	Diesel	40600135	945251	10	0.003
Diesel Generators*	Diesel	20200102	947646	10	0.003
No. 2 Cooling Tower	Cooling Water	30600701	947820	10	0.003
No. 3 Cooling Tower	Cooling Water	30600701	950905	10	0.003
No. 4 Cooling Tower	Cooling Water	30600701	950906	10	0.003
Boiler 32033 FCC	Natural Gas	10200701	20421	12	3.5
Various Paints	Paint	40200110	950909	10	0.003
Splash Loading Normal	Feed Material	40600140	950942	10	0.003
No. 1 Cooling Tower-new	Cooling Water	30600701	951984	10	0.003
Boilers #5	Fuel Gas	10200701	174806	160	6.4
Splash Loading Normal	Feed Material	40600140	954651	10	0.003
Refinery Wide Spills	Petroleum Liquid	30688801	954652	10	0.003
VGO Furnace F66100	Fuel Gas	30600106	965511	10	0.003
VGO Furnace F66200	Fuel Gas	30600106	965512	10	0.003
Tier 1 Diesel Eng	Diesel	20200103	174844	10	1
Tier 2 Diesel Eng	Diesel	20200104	174845	10	1
Plantwide Fugitives	Refinery Feed	30600815	965514	10	0.003
WWTP (master entry)	Wastewater	30600503	965767	10	0.003
MAINTENANCE / MALFUNCTION	Refinery Feed	30600815	965768	10	0.003

Component Description	Material or Fuel	Component SCC			
			ID	Height	Diameter
Boilers #1&2 - Fuel Gas/NG	Fuel Gas	10200701	3084	160	6.4
Boilers #1&2 - Oil	Residual Oil (No. 6)	10200701	3084	160	6.4
Boilers #4 - Fuel Gas/NG	Fuel Gas	10200701	3085	160	6.4
Boilers #3&4 - Oil	Residual Oil (No. 6)	10200701	3085	160	6.4
Boiler #6	Fuel Gas	10200701	3085	160	6.4
Crude Furnace F1&F2	Fuel Gas	30600106	3086	177	7.9
FCC Furnace F21	Fuel Gas	30600106	3090	160	4.4
FCC Furnace F23	Fuel Gas	30600106	3091	160	5
FCC Regenerator/ CO Boiler	Fuel Gas	10200701	3092	160	6
FCC Flare	Refinery Feed	30600904	3093	160	2.5
HDN F7110 & F7130	Fuel Gas	30600106	3094	110	5.6
Reformer Heater F1	Fuel Gas	30600106	3095	37	3.5
Reformer Heater F2	Fuel Gas	30600106	3096	44	3
Reformer Heater F3	Fuel Gas	30600106	3097	44	2.5
Alky F317	Fuel Gas	30600106	3098	165	4.7
Alky F3617	Polymer	30600106	3098	165	4.7
Alky Flare	Refinery Feed	30600904	3099	200	2
Coker Furnace F70001	Fuel Gas	30600106	3100	171	7.5
Coker Flare	Refinery Feed	30600904	3101	150	2.5
HDS Furnace F-10	Fuel Gas	30600106	3102	10	3.1
HDS Reboiler F-11	Fuel Gas	30600106	3103	115	4.1
SRU #1	Fuel Gas	30600904	3104	165	2.2
SRU #2	Fuel Gas	30600904	3104	165	2.2
Reformer Compressor Drivers	Natural Gas	20200202	931307	10	0.003
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Submerged Loading	Crude Oil	40600141	931572	10	0.003
Splash Loading Normal	Diesel	40600140	931612	10	0.003
TANKS (master entry)	Refinery Feed	40301017	965765	10	0.003
IAF	Water	30600503	932418	10	0.003
Submerged Loading	Diesel	40600135	945251	10	0.003
Diesel Generators*	Diesel	20200102	947646	10	0.003
No. 2 Cooling Tower	Cooling Water	30600701	947820	10	0.003
No. 3 Cooling Tower	Cooling Water	30600701	950905	10	0.003
No. 4 Cooling Tower	Cooling Water	30600701	950906	10	0.003
Boiler 32033 FCC	Natural Gas	10200701	20421	12	3.5
Various Paints	Paint	40200110	950909	10	0.003
Splash Loading Normal	Feed Material	40600140	950942	10	0.003
No. 1 Cooling Tower-new	Cooling Water	30600701	951984	10	0.003
Boilers #5	Fuel Gas	10200701	174806	160	6.4
Splash Loading Normal	Feed Material	40600140	954651	10	0.003
Refinery Wide Spills	Petroleum Liquid	30688801	954652	10	0.003
VGO Furnace F66100	Fuel Gas	30600106	965511	10	0.003
VGO Furnace F66200	Fuel Gas	30600106	965512	10	0.003
Tier 1 Diesel Eng	Diesel	20200103	174844	10	1
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Tier 2 Diesel Eng	Diesel	20200104	174845	10	1
Plantwide Fugitives	Refinery Feed	30600815	965514	10	0.003
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
WWTP (master entry)	Wastewater	30600503	965767	10	0.003
MAINTENANCE / MALFUNCTION	Refinery Feed	30600815	965768	10	0.003
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Component Description	Material or Fuel	Component SCC			
			ID	Height	Diameter
Boilers #1&2 - Fuel Gas/NG	Fuel Gas	10200701	3084	160	6.4
Boilers #1&2 - Oil	Residual Oil (No. 6)	10200701	3084	160	6.4
Boilers #4 - Fuel Gas/NG	Fuel Gas	10200701	3085	160	6.4
Boilers #3&4 - Oil	Residual Oil (No. 6)	10200701	3085	160	6.4
Boiler #6	Fuel Gas	10200701	3085	160	6.4

Crude Furnace F1&F2	Fuel Gas	30600106	3086	177	7.9
FCC Furnace F21	Fuel Gas	30600106	3090	160	4.4
FCC Furnace F23	Fuel Gas	30600106	3091	160	5
FCC Regenerator/ CO Boiler	Fuel Gas	10200701	3092	160	6
FCC Flare	Refinery Feed	30600904	3093	160	2.5
HDN F7110 & F7130	Fuel Gas	30600106	3094	110	5.6
Reformer Heater F1	Fuel Gas	30600106	3095	37	3.5
Reformer Heater F2	Fuel Gas	30600106	3096	44	3
Reformer Heater F3	Fuel Gas	30600106	3097	44	2.5
Alky F317	Fuel Gas	30600106	3098	165	4.7
Alky F3617	Polymer	30600106	3098	165	4.7
Alky Flare	Refinery Feed	30600904	3099	200	2
Coker Furnace F70001	Fuel Gas	30600106	3100	171	7.5
Coker Flare	Refinery Feed	30600904	3101	150	2.5
HDS Furnace F-10	Fuel Gas	30600106	3102	10	3.1
HDS Reboiler F-11	Fuel Gas	30600106	3103	115	4.1
SRU #1	Fuel Gas	30600904	3104	165	2.2
SRU #2	Fuel Gas	30600904	3104	165	2.2
Reformer Compressor Drivers	Natural Gas	20200202	931307	10	0.003
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Submerged Loading	Crude Oil	40600141	931572	10	0.003
Splash Loading Normal	Diesel	40600140	931612	10	0.003
TANKS (master entry)	Refinery Feed	40301017	965765	10	0.003
IAF	Water	30600503	932418	10	0.003
Submerged Loading	Diesel	40600135	945251	10	0.003
Diesel Generators*	Diesel	20200102	947646	10	0.003
No. 2 Cooling Tower	Cooling Water	30600701	947820	10	0.003
No. 3 Cooling Tower	Cooling Water	30600701	950905	10	0.003
No. 4 Cooling Tower	Cooling Water	30600701	950906	10	0.003
Boiler 32033 FCC	Natural Gas	10200701	20421	12	3.5
Various Paints	Paint	40200110	950909	10	0.003
Splash Loading Normal	Feed Material	40600140	950942	10	0.003
No. 1 Cooling Tower-new	Cooling Water	30600701	951984	10	0.003
Boilers #5	Fuel Gas	10200701	174806	160	6.4
Splash Loading Normal	Feed Material	40600140	954651	10	0.003

Refinery Wide Spills	Petroleum Liquid	30688801	954652	10	0.003
VGO Furnace F66100	Fuel Gas	30600106	965511	10	0.003
VGO Furnace F66200	Fuel Gas	30600106	965512	10	0.003
Tier 1 Diesel Eng	Diesel	20200103	174844	10	1
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Tier 2 Diesel Eng	Diesel	20200104	174845	10	1
Plantwide Fugitives	Refinery Feed	30600815	965514	10	0.003
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
WWTP (master entry)	Wastewater	30600503	965767	10	0.003
MAINTENANCE / MALFUNCTION	Refinery Feed	30600815	965768	10	0.003
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Component Description	Material or Fuel	Component SCC			
			ID	Height	Diameter
Boilers #1&2 - Fuel Gas/NG	Fuel Gas	10200701	3084	160	6.4
Boilers #1&2 - Oil	Residual Oil (No. 6)	10200701	3084	160	6.4
Boilers #4 - Fuel Gas/NG	Fuel Gas	10200701	3085	160	6.4
Boilers #3&4 - Oil	Residual Oil (No. 6)	10200701	3085	160	6.4
Boiler #6	Fuel Gas	10200701	3085	160	6.4
Crude Furnace F1&F2	Fuel Gas	30600106	3086	177	7.9
FCC Furnace F21	Fuel Gas	30600106	3090	160	4.4
FCC Furnace F23	Fuel Gas	30600106	3091	160	5
FCC Regenerator/ CO Boiler	Fuel Gas	10200701	3092	160	6
FCC Flare	Refinery Feed	30600904	3093	160	2.5
HDN F7110 & F7130	Fuel Gas	30600106	3094	110	5.6
Reformer Heater F1	Fuel Gas	30600106	3095	37	3.5
Reformer Heater F2	Fuel Gas	30600106	3096	44	3
Reformer Heater F3	Fuel Gas	30600106	3097	44	2.5
Alky F317	Fuel Gas	30600106	3098	165	4.7
Alky F3617	Polymer	30600106	3098	165	4.7
Alky Flare	Refinery Feed	30600904	3099	200	2
Coker Furnace F70001	Fuel Gas	30600106	3100	171	7.5
Coker Flare	Refinery Feed	30600904	3101	150	2.5
HDS Furnace F-10	Fuel Gas	30600106	3102	10	3.1

HDS Reboiler F-11	Fuel Gas	30600106	3103	115	4.1
SRU #1	Fuel Gas	30600904	3104	165	2.2
SRU #2	Fuel Gas	30600904	3104	165	2.2
Reformer Compressor Drivers	Natural Gas	20200202	931307	10	0.003
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Submerged Loading	Crude Oil	40600141	931572	10	0.003
Splash Loading Normal	Diesel	40600140	931612	10	0.003
TANKS (master entry)	Refinery Feed	40301017	965765	10	0.003
IAF	Water	30600503	932418	10	0.003
Submerged Loading	Diesel	40600135	945251	10	0.003
Diesel Generators*	Diesel	20200102	947646	10	0.003
No. 2 Cooling Tower	Cooling Water	30600701	947820	10	0.003
No. 3 Cooling Tower	Cooling Water	30600701	950905	10	0.003
No. 4 Cooling Tower	Cooling Water	30600701	950906	10	0.003
Boiler 32033 FCC	Natural Gas	10200701	20421	12	3.5
Various Paints	Paint	40200110	950909	10	0.003
Splash Loading Normal	Feed Material	40600140	950942	10	0.003
No. 1 Cooling Tower-new	Cooling Water	30600701	951984	10	0.003
Boilers #5	Fuel Gas	10200701	174806	160	6.4
Splash Loading Normal	Feed Material	40600140	954651	10	0.003
Refinery Wide Spills	Petroleum Liquid	30688801	954652	10	0.003
VGO Furnace F66100	Fuel Gas	30600106	965511	10	0.003
VGO Furnace F66200	Fuel Gas	30600106	965512	10	0.003
Tier 1 Diesel Eng	Diesel	20200103	174844	10	1
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Tier 2 Diesel Eng	Diesel	20200104	174845	10	1
Plantwide Fugitives	Refinery Feed	30600815	965514	10	0.003
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
WWTP (master entry)	Wastewater	30600503	965767	10	0.003
MAINTENANCE / MALFUNCTION	Refinery Feed	30600815	965768	10	0.003
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Component Description	Material or Fuel	Component SCC			
			ID	Height	Diameter
Boilers #1&2 - Fuel Gas/NG	Fuel Gas	10200701	3084	160	6.4
Boilers #1&2 - Oil	Residual Oil (No. 6)	10200701	3084	160	6.4
Boilers #4 - Fuel Gas/NG	Fuel Gas	10200701	3085	160	6.4
Boilers #3&4 - Oil	Residual Oil (No. 6)	10200701	3085	160	6.4
Boiler #6	Fuel Gas	10200701	3085	160	6.4
Crude Furnace F1&F2	Fuel Gas	30600106	3086	177	7.9
FCC Furnace F21	Fuel Gas	30600106	3090	160	4.4
FCC Furnace F23	Fuel Gas	30600106	3091	160	5
FCC Regenerator/ CO Boiler	Fuel Gas	10200701	3092	160	6
FCC Flare	Refinery Feed	30600904	3093	160	2.5
HDN F7110 & F7130	Fuel Gas	30600106	3094	110	5.6
Reformer Heater F1	Fuel Gas	30600106	3095	37	3.5
Reformer Heater F2	Fuel Gas	30600106	3096	44	3
Reformer Heater F3	Fuel Gas	30600106	3097	44	2.5
Alky F317	Fuel Gas	30600106	3098	165	4.7
Alky F3617	Polymer	30600106	3098	165	4.7
Alky Flare	Refinery Feed	30600904	3099	200	2
Coker Furnace F70001	Fuel Gas	30600106	3100	171	7.5
Coker Flare	Refinery Feed	30600904	3101	150	2.5
HDS Furnace F-10	Fuel Gas	30600106	3102	10	3.1
HDS Reboiler F-11	Fuel Gas	30600106	3103	115	4.1
SRU #1	Fuel Gas	30600904	3104	165	2.2
SRU #2	Fuel Gas	30600904	3104	165	2.2
Reformer Compressor Drivers	Natural Gas	20200202	931307	10	0.003
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Submerged Loading	Crude Oil	40600141	931572	10	0.003
Splash Loading Normal	Diesel	40600140	931612	10	0.003
TANKS (master entry)	Refinery Feed	40301017	965765	10	0.003
IAF	Water	30600503	932418	10	0.003
Submerged Loading	Diesel	40600135	945251	10	0.003
Diesel Generators*	Diesel	20200102	947646	10	0.003
No. 2 Cooling Tower	Cooling Water	30600701	947820	10	0.003
No. 3 Cooling Tower	Cooling Water	30600701	950905	10	0.003
No. 4 Cooling Tower	Cooling Water	30600701	950906	10	0.003
Boiler 32033 FCC	Natural Gas	10200701	20421	12	3.5
Various Paints	Paint	40200110	950909	10	0.003
Splash Loading Normal	Feed Material	40600140	950942	10	0.003
No. 1 Cooling Tower-new	Cooling Water	30600701	951984	10	0.003
Boilers #5	Fuel Gas	10200701	174806	160	6.4
Splash Loading Normal	Feed Material	40600140	954651	10	0.003
Refinery Wide Spills	Petroleum Liquid	30688801	954652	10	0.003
VGO Furnace F66100	Fuel Gas	30600106	965511	10	0.003
VGO Furnace F66200	Fuel Gas	30600106	965512	10	0.003
Tier 1 Diesel Eng	Diesel	20200103	174844	10	1
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Tier 2 Diesel Eng	Diesel	20200104	174845	10	1
Plantwide Fugitives	Refinery Feed	30600815	965514	10	0.003
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
WWTP (master entry)	Wastewater	30600503	965767	10	0.003
MAINTENANCE / MALFUNCTION	Refinery Feed	30600815	965768	10	0.003
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Stack				Location				
Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk	Wks/Yr
325	467.39	32.37128	14.45	40.82527	-111.9218	24	7	52
325	467.39	32.37128	14.45	40.82527	-111.9218	0	0	0
325	413.65	32.37128	12.79	40.82527	-111.9218	24	7	52
325	413.65	32.37128	12.79	40.82527	-111.9218	0	0	0
675	1453.69	49.38968	29.45	40.82527	-111.9218	24	7	52
900	205.53	15.48303	13.29	40.82527	-111.9218	24	7	52
600	165.08	19.95037	8.27	40.82527	-111.9218	24	7	52
425	480.92	28.27433	17.01	40.82527	-111.9218	24	7	52
72	12	4.908739	2.44	40.82527	-111.9218	24	7	52
1000	111.43	24.80633	4.48	40.82527	-111.9218	24	7	52
900	189.85	9.402473	20.21	40.82527	-111.9218	24	7	52
1225	210.91	6.97465	30.26	40.82527	-111.9218	24	7	52
1150	131.64	4.830513	27.27	40.82527	-111.9218	24	7	52
475	588.64	17.42335	33.81	40.82527	-111.9218	24	7	52
475	588.64	17.42335	33.81	40.82527	-111.9218	24	7	52
72	12	3.141593	3.82	40.82527	-111.9218	24	7	52
1000	111.43	44.17865	2.52	40.82527	-111.9218	24	7	52
72	12	4.869547	2.47	40.82527	-111.9218	24	7	52
1000	111.43	7.306166	15.28	40.82527	-111.9218	24	7	52
925	183.28	13.07405	14	40.82527	-111.9218	24	7	52
1175	31.84	3.835963	8.31	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52

72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52

72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
325	214.49	9.621128	22.29	40.82527	-111.9218	24	7	52
73	1	0.785398	1.27	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
325	413.65	32.37128	12.79	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	12	0.785398	15.28	40.82527	-111.9218	24	7	52
72	12	0.785398	15.28	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	12	0.785398	15.28	40.82527	-111.9218	24	7	52
72	12	0.785398	15.28	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52
72	0	0	0	40.82527	-111.9218	24	7	52

Many row

Condensa

Stack				**Location**				
Temp	**Flow**	**Area**	**Velocity**	**Lat**	**Long**	**Hrs/Day**	**Days/Wk**	**Wks/Yr**
325	467.4	32.16991	14.52911	40.82528	-111.9218	24	7	52

325	467.4	32.16991	14.52911	40.82528	-111.9218	0	0	0
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
325	413.7	32.16991	12.85984	40.82528	-111.9218	0	0	0
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
675	1453.7	49.0167	29.65724	40.82528	-111.9218	24	7	52
900	205.5	15.20531	13.51502	40.82528	-111.9218	24	7	52
600	165.1	19.63495	8.408474	40.82528	-111.9218	24	7	52
425	480.9	28.27433	17.00836	40.82528	-111.9218	24	7	52
72	12	4.908739	2.44462	40.82528	-111.9218	24	7	52
1000	111.4	24.63009	4.522924	40.82528	-111.9218	24	7	52
900	189.9	9.621128	19.73781	40.82528	-111.9218	24	7	52
1225	210.9	7.068583	29.83625	40.82528	-111.9218	24	7	52
1150	131.6	4.908739	26.80933	40.82528	-111.9218	24	7	52
475	588.6	17.34945	33.92616	40.82528	-111.9218	24	7	52
475	588.6	17.34945	33.92616	40.82528	-111.9218	24	7	52
72	12	3.141593	3.819719	40.82528	-111.9218	24	7	52
1000	111.4	44.17865	2.52158	40.82528	-111.9218	24	7	52
72	12	4.908739	2.44462	40.82528	-111.9218	24	7	52
1000	111.4	7.547676	14.75951	40.82528	-111.9218	24	7	52
925	183.3	13.20254	13.88369	40.82528	-111.9218	24	7	52
1175	31.8	3.801327	8.365499	40.82528	-111.9218	24	7	52
1175	31.8	3.801327	8.365499	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
325	214.5	9.621128	22.29468	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	12	0.785398	15.27887	40.82528	-111.9218	24	7	52
72	12	0.785398	15.27887	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52

Stack				Location				
Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk	Wks/Yr
325	467.4	32.16991	14.52911	40.82528	-111.9218	24	7	52
325	467.4	32.16991	14.52911	40.82528	-111.9218	0	0	0
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
325	413.7	32.16991	12.85984	40.82528	-111.9218	0	0	0
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
675	1453.7	49.0167	29.65724	40.82528	-111.9218	24	7	52
900	205.5	15.20531	13.51502	40.82528	-111.9218	24	7	52
600	165.1	19.63495	8.408474	40.82528	-111.9218	24	7	52
425	480.9	28.27433	17.00836	40.82528	-111.9218	24	7	52
72	12	4.908739	2.44462	40.82528	-111.9218	24	7	52
1000	111.4	24.63009	4.522924	40.82528	-111.9218	24	7	52
900	189.9	9.621128	19.73781	40.82528	-111.9218	24	7	52
1225	210.9	7.068583	29.83625	40.82528	-111.9218	24	7	52
1150	131.6	4.908739	26.80933	40.82528	-111.9218	24	7	52
475	588.6	17.34945	33.92616	40.82528	-111.9218	24	7	52
475	588.6	17.34945	33.92616	40.82528	-111.9218	24	7	52
72	12	3.141593	3.819719	40.82528	-111.9218	24	7	52
1000	111.4	44.17865	2.52158	40.82528	-111.9218	24	7	52
72	12	4.908739	2.44462	40.82528	-111.9218	24	7	52
1000	111.4	7.547676	14.75951	40.82528	-111.9218	24	7	52
925	183.3	13.20254	13.88369	40.82528	-111.9218	24	7	52
1175	31.8	3.801327	8.365499	40.82528	-111.9218	24	7	52
1175	31.8	3.801327	8.365499	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
325	214.5	9.621128	22.29468	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	12	0.785398	15.27887	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
72	12	0.785398	15.27887	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Stack				Location				
Temp	**Flow**	**Area**	**Velocity**	**Lat**	**Long**	**Hrs/Day**	**Days/Wk**	**Wks/Yr**
325	467.4	32.16991	14.52911	40.82528	-111.9218	24	7	52
325	467.4	32.16991	14.52911	40.82528	-111.9218	0	0	0
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
325	413.7	32.16991	12.85984	40.82528	-111.9218	0	0	0
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52

675	1453.7	49.0167	29.65724	40.82528	-111.9218	24	7	52
900	205.5	15.20531	13.51502	40.82528	-111.9218	24	7	52
600	165.1	19.63495	8.408474	40.82528	-111.9218	24	7	52
425	480.9	28.27433	17.00836	40.82528	-111.9218	24	7	52
72	12	4.908739	2.44462	40.82528	-111.9218	24	7	52
1000	111.4	24.63009	4.522924	40.82528	-111.9218	24	7	52
900	189.9	9.621128	19.73781	40.82528	-111.9218	24	7	52
1225	210.9	7.068583	29.83625	40.82528	-111.9218	24	7	52
1150	131.6	4.908739	26.80933	40.82528	-111.9218	24	7	52
475	588.6	17.34945	33.92616	40.82528	-111.9218	24	7	52
475	588.6	17.34945	33.92616	40.82528	-111.9218	24	7	52
72	12	3.141593	3.819719	40.82528	-111.9218	24	7	52
1000	111.4	44.17865	2.52158	40.82528	-111.9218	24	7	52
72	12	4.908739	2.44462	40.82528	-111.9218	24	7	52
1000	111.4	7.547676	14.75951	40.82528	-111.9218	24	7	52
925	183.3	13.20254	13.88369	40.82528	-111.9218	24	7	52
1175	31.8	3.801327	8.365499	40.82528	-111.9218	24	7	52
1175	31.8	3.801327	8.365499	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
325	214.5	9.621128	22.29468	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52

72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	12	0.785398	15.27887	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
72	12	0.785398	15.27887	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Stack				Location				
Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk	Wks/Yr
325	467.4	32.16991	14.52911	40.82528	-111.9218	24	7	52
325	467.4	32.16991	14.52911	40.82528	-111.9218	0	0	0
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
325	413.7	32.16991	12.85984	40.82528	-111.9218	0	0	0
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
675	1453.7	49.0167	29.65724	40.82528	-111.9218	24	7	52
900	205.5	15.20531	13.51502	40.82528	-111.9218	24	7	52
600	165.1	19.63495	8.408474	40.82528	-111.9218	24	7	52
425	480.9	28.27433	17.00836	40.82528	-111.9218	24	7	52
72	12	4.908739	2.44462	40.82528	-111.9218	24	7	52
1000	111.4	24.63009	4.522924	40.82528	-111.9218	24	7	52
900	189.9	9.621128	19.73781	40.82528	-111.9218	24	7	52
1225	210.9	7.068583	29.83625	40.82528	-111.9218	24	7	52
1150	131.6	4.908739	26.80933	40.82528	-111.9218	24	7	52
475	588.6	17.34945	33.92616	40.82528	-111.9218	24	7	52
475	588.6	17.34945	33.92616	40.82528	-111.9218	24	7	52
72	12	3.141593	3.819719	40.82528	-111.9218	24	7	52
1000	111.4	44.17865	2.52158	40.82528	-111.9218	24	7	52
72	12	4.908739	2.44462	40.82528	-111.9218	24	7	52
1000	111.4	7.547676	14.75951	40.82528	-111.9218	24	7	52

925	183.3	13.20254	13.88369	40.82528	-111.9218	24	7	52
1175	31.8	3.801327	8.365499	40.82528	-111.9218	24	7	52
1175	31.8	3.801327	8.365499	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
325	214.5	9.621128	22.29468	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	12	0.785398	15.27887	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
72	12	0.785398	15.27887	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Stack				Location				
Temp	Flow	Area	Velocity	Lat	Long	Hrs/Day	Days/Wk	Wks/Yr
325	467.4	32.16991	14.52911	40.82528	-111.9218	24	7	52
325	467.4	32.16991	14.52911	40.82528	-111.9218	0	0	0
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
325	413.7	32.16991	12.85984	40.82528	-111.9218	0	0	0
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
675	1453.7	49.0167	29.65724	40.82528	-111.9218	24	7	52
900	205.5	15.20531	13.51502	40.82528	-111.9218	24	7	52
600	165.1	19.63495	8.408474	40.82528	-111.9218	24	7	52
425	480.9	28.27433	17.00836	40.82528	-111.9218	24	7	52
72	12	4.908739	2.44462	40.82528	-111.9218	24	7	52
1000	111.4	24.63009	4.522924	40.82528	-111.9218	24	7	52
900	189.9	9.621128	19.73781	40.82528	-111.9218	24	7	52
1225	210.9	7.068583	29.83625	40.82528	-111.9218	24	7	52
1150	131.6	4.908739	26.80933	40.82528	-111.9218	24	7	52
475	588.6	17.34945	33.92616	40.82528	-111.9218	24	7	52
475	588.6	17.34945	33.92616	40.82528	-111.9218	24	7	52
72	12	3.141593	3.819719	40.82528	-111.9218	24	7	52
1000	111.4	44.17865	2.52158	40.82528	-111.9218	24	7	52
72	12	4.908739	2.44462	40.82528	-111.9218	24	7	52
1000	111.4	7.547676	14.75951	40.82528	-111.9218	24	7	52
925	183.3	13.20254	13.88369	40.82528	-111.9218	24	7	52
1175	31.8	3.801327	8.365499	40.82528	-111.9218	24	7	52
1175	31.8	3.801327	8.365499	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
325	214.5	9.621128	22.29468	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
325	413.7	32.16991	12.85984	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	12	0.785398	15.27887	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
72	12	0.785398	15.27887	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
72	0	7.07E-06	0	40.82528	-111.9218	24	7	52
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Temporal Operating Information								
Hrs/Yr	% Jan	% Feb	% Mar	% Apr	% May	% Jun	% Jul	% Aug
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
0	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
0	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8724	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8488	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8488	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8694	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
7743	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8118	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49

8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49

8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
1	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
1	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8145	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8145	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49
8760	8.49	7.67	8.49	8.22	8.49	8.22	8.49	8.49

's were combined into single entries, please validate and correct for projection years belo

ble emissions included.

Temporal Operating Information								
Hrs/Yr	**% Jan**	**% Feb**	**% Mar**	**% Apr**	**% May**	**% Jun**	**% Jul**	**% Aug**
7944	8.54	7.99	8.54	8.26	7.71	8.26	8.54	8.54

0	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8712	8.54	7.99	8.54	8.26	7.71	8.26	8.54	8.54
0	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8366	8.89	8.32	8.89	8.61	8.89	8.61	8.89	8.89
6122	12.15	11.37	12.15	11.76	12.15	11.76	9.44	0
8066	9.22	8.63	9.22	8.93	9.22	2.08	7.17	9.22
8618	8.63	8.08	8.63	8.35	8.63	8.35	6.7	8.63
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
6984	10.31	9.97	10.65	7.22	1.03	10.31	4.47	8.93
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
8627	8.62	8.07	8.62	6.95	8.62	8.21	8.34	8.62
8627	8.62	8.07	8.62	6.95	8.62	8.21	8.34	8.62
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
6748	11.03	10.31	11.03	10.37	1.42	9.6	5.69	11.03
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8469	8.78	8.02	8.78	8.5	8.78	8.5	8.78	8.78
8469	8.78	8.02	8.78	8.5	8.78	8.5	8.78	8.78
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8784	9.03	8.38	9.03	7.09	9.03	8.74	9.03	9.03
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8592	8.66	8.1	8.66	8.38	8.66	8.38	8.66	6.42
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33

Temporal Operating Information								
Hrs/Yr	% Jan	% Feb	% Mar	% Apr	% May	% Jun	% Jul	% Aug
7944	8.54	7.99	8.54	8.26	7.71	8.26	8.54	8.54
0	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8712	8.54	7.99	8.54	8.26	7.71	8.26	8.54	8.54
0	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8366	8.89	8.32	8.89	8.61	8.89	8.61	8.89	8.89
6122	12.15	11.37	12.15	11.76	12.15	11.76	9.44	0
8066	9.22	8.63	9.22	8.93	9.22	2.08	7.17	9.22
8618	8.63	8.08	8.63	8.35	8.63	8.35	6.7	8.63
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
6984	10.31	9.97	10.65	7.22	1.03	10.31	4.47	8.93
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
8627	8.62	8.07	8.62	6.95	8.62	8.21	8.34	8.62
8627	8.62	8.07	8.62	6.95	8.62	8.21	8.34	8.62
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
6748	11.03	10.31	11.03	10.37	1.42	9.6	5.69	11.03
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8469	8.78	8.02	8.78	8.5	8.78	8.5	8.78	8.78
8469	8.78	8.02	8.78	8.5	8.78	8.5	8.78	8.78
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8784	9.03	8.38	9.03	7.09	9.03	8.74	9.03	9.03
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8592	8.66	8.1	8.66	8.38	8.66	8.38	8.66	6.42
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Temporal Operating Information								
Hrs/Yr	**% Jan**	**% Feb**	**% Mar**	**% Apr**	**% May**	**% Jun**	**% Jul**	**% Aug**
7944	8.54	7.99	8.54	8.26	7.71	8.26	8.54	8.54
0	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8712	8.54	7.99	8.54	8.26	7.71	8.26	8.54	8.54
0	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33

8366	8.89	8.32	8.89	8.61	8.89	8.61	8.89	8.89
6122	12.15	11.37	12.15	11.76	12.15	11.76	9.44	0
8066	9.22	8.63	9.22	8.93	9.22	2.08	7.17	9.22
8618	8.63	8.08	8.63	8.35	8.63	8.35	6.7	8.63
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
6984	10.31	9.97	10.65	7.22	1.03	10.31	4.47	8.93
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
8627	8.62	8.07	8.62	6.95	8.62	8.21	8.34	8.62
8627	8.62	8.07	8.62	6.95	8.62	8.21	8.34	8.62
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
6748	11.03	10.31	11.03	10.37	1.42	9.6	5.69	11.03
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8469	8.78	8.02	8.78	8.5	8.78	8.5	8.78	8.78
8469	8.78	8.02	8.78	8.5	8.78	8.5	8.78	8.78
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8784	9.03	8.38	9.03	7.09	9.03	8.74	9.03	9.03
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8592	8.66	8.1	8.66	8.38	8.66	8.38	8.66	6.42
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47

8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Temporal Operating Information								
Hrs/Yr	**% Jan**	**% Feb**	**% Mar**	**% Apr**	**% May**	**% Jun**	**% Jul**	**% Aug**
7944	8.54	7.99	8.54	8.26	7.71	8.26	8.54	8.54
0	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8712	8.54	7.99	8.54	8.26	7.71	8.26	8.54	8.54
0	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8366	8.89	8.32	8.89	8.61	8.89	8.61	8.89	8.89
6122	12.15	11.37	12.15	11.76	12.15	11.76	9.44	0
8066	9.22	8.63	9.22	8.93	9.22	2.08	7.17	9.22
8618	8.63	8.08	8.63	8.35	8.63	8.35	6.7	8.63
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
6984	10.31	9.97	10.65	7.22	1.03	10.31	4.47	8.93
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
8627	8.62	8.07	8.62	6.95	8.62	8.21	8.34	8.62
8627	8.62	8.07	8.62	6.95	8.62	8.21	8.34	8.62
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
6748	11.03	10.31	11.03	10.37	1.42	9.6	5.69	11.03
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8469	8.78	8.02	8.78	8.5	8.78	8.5	8.78	8.78

8469	8.78	8.02	8.78	8.5	8.78	8.5	8.78	8.78
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8784	9.03	8.38	9.03	7.09	9.03	8.74	9.03	9.03
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8592	8.66	8.1	8.66	8.38	8.66	8.38	8.66	6.42
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Temporal Operating Information								
Hrs/Yr	**% Jan**	**% Feb**	**% Mar**	**% Apr**	**% May**	**% Jun**	**% Jul**	**% Aug**
7944	8.54	7.99	8.54	8.26	7.71	8.26	8.54	8.54
0	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8712	8.54	7.99	8.54	8.26	7.71	8.26	8.54	8.54
0	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8366	8.89	8.32	8.89	8.61	8.89	8.61	8.89	8.89
6122	12.15	11.37	12.15	11.76	12.15	11.76	9.44	0
8066	9.22	8.63	9.22	8.93	9.22	2.08	7.17	9.22
8618	8.63	8.08	8.63	8.35	8.63	8.35	6.7	8.63
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
6984	10.31	9.97	10.65	7.22	1.03	10.31	4.47	8.93
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
8627	8.62	8.07	8.62	6.95	8.62	8.21	8.34	8.62
8627	8.62	8.07	8.62	6.95	8.62	8.21	8.34	8.62
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
6748	11.03	10.31	11.03	10.37	1.42	9.6	5.69	11.03
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8469	8.78	8.02	8.78	8.5	8.78	8.5	8.78	8.78
8469	8.78	8.02	8.78	8.5	8.78	8.5	8.78	8.78
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8784	9.03	8.38	9.03	7.09	9.03	8.74	9.03	9.03
7932	9.38	8.77	9.38	6.66	9.38	6.96	9.38	9.38
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8760	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8592	8.66	8.1	8.66	8.38	8.66	8.38	8.66	6.42
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
8784	8.47	7.92	8.47	8.2	8.47	8.2	8.47	8.47
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
8760	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

			20
PM10	PM2.5	SO2	NOx
47.297	38.325	24.310	319.574

				Permit				2
% Sep	% Oct	% Nov	% Dec	Status	PM10	PM2.5	SO2	NOx
8.22	8.49	8.22	8.49	Yes	0.988	0.988	0.023	74.954
8.22	8.49	8.22	8.49	Yes	0.000	0.000	0.000	0.000
8.22	8.49	8.22	8.49	Yes	0.746	0.746	0.017	42.950
8.22	8.49	8.22	8.49	Yes	0.000	0.000	0.000	0.000
8.22	8.49	8.22	8.49	Yes	3.995	3.995	0.091	26.280
8.22	8.49	8.22	8.49	Yes	0.353	0.353	0.008	4.646
8.22	8.49	8.22	8.49	Yes	0.236	0.236	0.005	3.109
8.22	8.49	8.22	8.49	Yes	13.476	13.476	11.172	19.692
8.22	8.49	8.22	8.49	Yes	0.574	0.574	0.153	1.445
8.22	8.49	8.22	8.49	Yes	0.555	0.555	0.013	7.303
8.22	8.49	8.22	8.49	Yes	0.800	0.800	0.018	10.528
8.22	8.49	8.22	8.49	Yes	0.738	0.738	0.017	9.707
8.22	8.49	8.22	8.49	Yes	0.556	0.556	0.013	7.322
8.22	8.49	8.22	8.49	Yes	1.538	1.538	0.035	10.120
8.22	8.49	8.22	8.49	Yes	0.473	0.087	0.306	2.434
8.22	8.49	8.22	8.49	Yes	2.118	2.118	0.016	5.334
8.22	8.49	8.22	8.49	Yes	1.275	1.275	0.029	16.774
8.22	8.49	8.22	8.49	Yes	0.054	0.054	0.031	0.135
8.22	8.49	8.22	8.49	Yes	0.346	0.346	0.008	2.275
8.22	8.49	8.22	8.49	Yes	0.590	0.590	0.013	3.879
8.22	8.49	8.22	8.49	Yes	0.093	0.093	3.750	1.224
8.22	8.49	8.22	8.49	Yes	0.764	0.764	0.023	15.352
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				

8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				

8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes	1.952	1.952	1.580	24.034
8.22	8.49	8.22	8.49	Yes	3.825	0.579		
8.22	8.49	8.22	8.49	Yes	0.526	0.080		
8.22	8.49	8.22	8.49	Yes	1.023	0.155		
8.22	8.49	8.22	8.49	Yes	0.000	0.000	0.000	0.000
8.22	8.49	8.22	8.49	No	0.000	0.000		
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes	4.743	0.718		
8.22	8.49	8.22	8.49	Yes	1.779	1.779	0.041	11.706
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes	0.000	0.000	0.000	0.000
8.22	8.49	8.22	8.49	Yes	0.356	0.356	0.008	1.499
8.22	8.49	8.22	8.49	Yes	0.723	0.723	0.017	3.046
8.22	8.49	8.22	8.49	Yes	0.000	0.000	0.000	0.000
8.22	8.49	8.22	8.49	Yes	0.000	0.000	0.000	0.000
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49	Yes				
8.22	8.49	8.22	8.49		0.000	0.000	0.000	0.000
8.22	8.49	8.22	8.49		0.000	0.000	0.000	0.000
8.22	8.49	8.22	8.49					
8.22	8.49	8.22	8.49					
8.22	8.49	8.22	8.49		1.941	1.941	0.044	12.768
8.22	8.49	8.22	8.49		0.162	0.162	6.877	1.063
8.22	8.49	8.22	8.49					
8.22	8.49	8.22	8.49					
8.22	8.49	8.22	8.49					
8.22	8.49	8.22	8.49					
8.22	8.49	8.22	8.49					

ow

			201
PM10	PM2.5	SO2	NOx
258.081	240.887	383.250	766.500

Does the 2019 True-Up Include Gro

				Permit				20
% Sep	% Oct	% Nov	% Dec	Status	PM10	PM2.5	SO2	NOx
8.26	8.54	8.26	8.54	Yes	7.235498	7.235498	0.356695	179.7766

8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.26	8.54	8.26	8.54	Yes	5.460281	5.460281	0.26918	103.0169
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.33	8.33	8.33	8.33	Yes	14.20647	14.20647	0.700349	30.62472
8.61	3.9	8.61	8.89	Yes	29.2399	29.2399	1.441466	63.03213
0.78	0	6.27	12.15	Yes	2.584385	2.584385	0.127405	11.14226
8.93	9.22	8.93	9.22	Yes	1.729321	1.729321	0.085252	7.455755
8.35	8.63	8.35	8.63	Yes	98.64212	98.64212	176.1238	47.23116
8.2	8.47	8.2	8.47	Yes	0.113652	0	0.480962	0.32481
6.53	9.62	10.31	10.65	Yes	4.062805	4.062805	0.200288	17.51629
6.97	5.28	9.08	9.38	Yes	5.856659	5.856659	0.288721	25.25027
6.97	5.28	9.08	9.38	Yes	5.400198	5.400198	0.266218	23.28229
6.97	5.28	9.08	9.38	Yes	4.073097	4.073097	0.200795	17.56066
8.35	8.62	8.35	8.62	Yes	11.25992	11.25992	0.55509	24.27288
8.35	8.62	8.35	8.62	Yes	1.000015	0.184169	4.831802	5.838473
8.2	8.47	8.2	8.47	Yes	0	0	0.256765	12.79256
6.4	1.42	10.67	11.03	Yes	9.331434	9.331434	0.46002	40.23133
8.2	8.47	8.2	8.47	Yes	1.212319	0	2.414908	3.464732
8.5	6.23	7.65	8.67	Yes	2.530978	2.530978	0.124772	5.456001
8.5	6.23	7.65	8.67	Yes	4.315374	4.315374	0.212739	9.302604
8.33	8.33	8.33	8.33	Yes	0.680658	0.680658	59.11894	2.934572
8.64	4.24	8.74	9.03	Yes	1.182736	1.182736	108.4162	2.549611
6.97	5.28	9.08	9.38	Yes	5.592756	5.592756	0.364957	36.82092
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.33	8.33	8.33	8.33	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	3.570987	3.589537	24.92106	57.64648
8.2	8.47	8.2	8.47	Yes	6.359861	1.060055	0	0
8.2	8.47	8.2	8.47	Yes	0.96274	0.145786	0	0
8.2	8.47	8.2	8.47	Yes	1.872903	0.283611	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	No	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	8.679412	1.314311	0	0
8.38	8.66	8.38	8.66	Yes	13.02401	13.02401	0.642056	28.07571
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	2.605525	2.605525	0.128447	3.594688
8.2	8.47	8.2	8.47	Yes	5.295332	5.295332	0.261049	7.305656
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.33	8.33	8.33	8.33	Yes	0	0	0	0
8.33	8.33	8.33	8.33	No	0	0	0	0

			2019
PM10	PM2.5	SO2	NOx
#REF!	#REF!	#REF!	#REF!

				Permit				20
% Sep	% Oct	% Nov	% Dec	Status	PM10	PM2.5	SO2	NOx
8.26	8.54	8.26	8.54	Yes	7.235498	7.235498	0.356695	179.7766
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.26	8.54	8.26	8.54	Yes	5.460281	5.460281	0.26918	103.0169
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.33	8.33	8.33	8.33	Yes	14.20647	14.20647	0.700349	30.62472
8.61	3.9	8.61	8.89	Yes	29.2399	29.2399	1.441466	63.03213
0.78	0	6.27	12.15	Yes	2.584385	2.584385	0.127405	11.14226
8.93	9.22	8.93	9.22	Yes	1.729321	1.729321	0.085252	7.455755
8.35	8.63	8.35	8.63	Yes	98.64212	98.64212	176.1238	47.23116
8.2	8.47	8.2	8.47	Yes	0.113652	0	0.480962	0.32481
6.53	9.62	10.31	10.65	Yes	4.062805	4.062805	0.200288	17.51629
6.97	5.28	9.08	9.38	Yes	5.856659	5.856659	0.288721	25.25027
6.97	5.28	9.08	9.38	Yes	5.400198	5.400198	0.266218	23.28229
6.97	5.28	9.08	9.38	Yes	4.073097	4.073097	0.200795	17.56066
8.35	8.62	8.35	8.62	Yes	11.25992	11.25992	0.55509	24.27288
8.35	8.62	8.35	8.62	Yes	1.000015	0.184169	4.831802	5.838473
8.2	8.47	8.2	8.47	Yes	0	0	0.256765	12.79256
6.4	1.42	10.67	11.03	Yes	9.331434	9.331434	0.46002	40.23133
8.2	8.47	8.2	8.47	Yes	1.212319	0	2.414908	3.464732
8.5	6.23	7.65	8.67	Yes	2.530978	2.530978	0.124772	5.456001
8.5	6.23	7.65	8.67	Yes	4.315374	4.315374	0.212739	9.302604
8.33	8.33	8.33	8.33	Yes	0.680658	0.680658	59.11894	2.934572
8.64	4.24	8.74	9.03	Yes	1.182736	1.182736	108.4162	2.549611
6.97	5.28	9.08	9.38	Yes	5.592756	5.592756	0.364957	36.82092
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.33	8.33	8.33	8.33	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	3.570987	3.589537	24.92106	57.64648
8.2	8.47	8.2	8.47	Yes	6.359861	1.060055	0	0
8.2	8.47	8.2	8.47	Yes	0.96274	0.145786	0	0
8.2	8.47	8.2	8.47	Yes	1.872903	0.283611	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	No	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	8.679412	1.314311	0	0
8.38	8.66	8.38	8.66	Yes	13.02401	13.02401	0.642056	28.07571
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	2.605525	2.605525	0.128447	3.594688
8.2	8.47	8.2	8.47	Yes	5.295332	5.295332	0.261049	7.305656
8.2	8.47	8.2	8.47	Yes	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8.33	8.33	8.33	8.33	Yes	0	0	0	0
8.33	8.33	8.33	8.33	No	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

			2024
PM10	**PM2.5**	**SO2**	**NOx**
#REF!	#REF!	#REF!	#REF!

				Permit				20
% Sep	**% Oct**	**% Nov**	**% Dec**	**Status**	**PM10**	**PM2.5**	**SO2**	**NOx**
8.26	8.54	8.26	8.54	Yes	7.235498	7.235498	0.356695	179.7766
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.26	8.54	8.26	8.54	Yes	5.460281	5.460281	0.26918	103.0169
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.33	8.33	8.33	8.33	Yes	14.20647	14.20647	0.700349	30.62472

8.61	3.9	8.61	8.89	Yes	29.2399	29.2399	1.441466	63.03213
0.78	0	6.27	12.15	Yes	2.584385	2.584385	0.127405	11.14226
8.93	9.22	8.93	9.22	Yes	1.729321	1.729321	0.085252	7.455755
8.35	8.63	8.35	8.63	Yes	98.64212	98.64212	176.1238	47.23116
8.2	8.47	8.2	8.47	Yes	0.113652	0	0.480962	0.32481
6.53	9.62	10.31	10.65	Yes	4.062805	4.062805	0.200288	17.51629
6.97	5.28	9.08	9.38	Yes	5.856659	5.856659	0.288721	25.25027
6.97	5.28	9.08	9.38	Yes	5.400198	5.400198	0.266218	23.28229
6.97	5.28	9.08	9.38	Yes	4.073097	4.073097	0.200795	17.56066
8.35	8.62	8.35	8.62	Yes	11.25992	11.25992	0.55509	24.27288
8.35	8.62	8.35	8.62	Yes	1.000015	0.184169	4.831802	5.838473
8.2	8.47	8.2	8.47	Yes	0	0	0.256765	12.79256
6.4	1.42	10.67	11.03	Yes	9.331434	9.331434	0.46002	40.23133
8.2	8.47	8.2	8.47	Yes	1.212319	0	2.414908	3.464732
8.5	6.23	7.65	8.67	Yes	2.530978	2.530978	0.124772	5.456001
8.5	6.23	7.65	8.67	Yes	4.315374	4.315374	0.212739	9.302604
8.33	8.33	8.33	8.33	Yes	0.680658	0.680658	59.11894	2.934572
8.64	4.24	8.74	9.03	Yes	1.182736	1.182736	108.4162	2.549611
6.97	5.28	9.08	9.38	Yes	5.592756	5.592756	0.364957	36.82092
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.33	8.33	8.33	8.33	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	3.570987	3.589537	24.92106	57.64648
8.2	8.47	8.2	8.47	Yes	6.359861	1.060055	0	0
8.2	8.47	8.2	8.47	Yes	0.96274	0.145786	0	0
8.2	8.47	8.2	8.47	Yes	1.872903	0.283611	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	No	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	8.679412	1.314311	0	0
8.38	8.66	8.38	8.66	Yes	13.02401	13.02401	0.642056	28.07571
8.2	8.47	8.2	8.47	Yes	0	0	0	0

8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	2.605525	2.605525	0.128447	3.594688
8.2	8.47	8.2	8.47	Yes	5.295332	5.295332	0.261049	7.305656
8.2	8.47	8.2	8.47	Yes	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8.33	8.33	8.33	8.33	Yes	0	0	0	0
8.33	8.33	8.33	8.33	No	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

			2028
PM10	**PM2.5**	**SO2**	**NOx**
#REF!	#REF!	#REF!	#REF!

				Permit				20
% Sep	**% Oct**	**% Nov**	**% Dec**	**Status**	**PM10**	**PM2.5**	**SO2**	**NOx**
8.26	8.54	8.26	8.54	Yes	7.235498	7.235498	0.356695	179.7766
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.26	8.54	8.26	8.54	Yes	5.460281	5.460281	0.26918	103.0169
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.33	8.33	8.33	8.33	Yes	14.20647	14.20647	0.700349	30.62472
8.61	3.9	8.61	8.89	Yes	29.2399	29.2399	1.441466	63.03213
0.78	0	6.27	12.15	Yes	2.584385	2.584385	0.127405	11.14226
8.93	9.22	8.93	9.22	Yes	1.729321	1.729321	0.085252	7.455755
8.35	8.63	8.35	8.63	Yes	98.64212	98.64212	176.1238	47.23116
8.2	8.47	8.2	8.47	Yes	0.113652	0	0.480962	0.32481
6.53	9.62	10.31	10.65	Yes	4.062805	4.062805	0.200288	17.51629
6.97	5.28	9.08	9.38	Yes	5.856659	5.856659	0.288721	25.25027
6.97	5.28	9.08	9.38	Yes	5.400198	5.400198	0.266218	23.28229
6.97	5.28	9.08	9.38	Yes	4.073097	4.073097	0.200795	17.56066
8.35	8.62	8.35	8.62	Yes	11.25992	11.25992	0.55509	24.27288
8.35	8.62	8.35	8.62	Yes	1.000015	0.184169	4.831802	5.838473
8.2	8.47	8.2	8.47	Yes	0	0	0.256765	12.79256
6.4	1.42	10.67	11.03	Yes	9.331434	9.331434	0.46002	40.23133
8.2	8.47	8.2	8.47	Yes	1.212319	0	2.414908	3.464732
8.5	6.23	7.65	8.67	Yes	2.530978	2.530978	0.124772	5.456001

8.5	6.23	7.65	8.67	Yes	4.315374	4.315374	0.212739	9.302604
8.33	8.33	8.33	8.33	Yes	0.680658	0.680658	59.11894	2.934572
8.64	4.24	8.74	9.03	Yes	1.182736	1.182736	108.4162	2.549611
6.97	5.28	9.08	9.38	Yes	5.592756	5.592756	0.364957	36.82092
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.33	8.33	8.33	8.33	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	3.570987	3.589537	24.92106	57.64648
8.2	8.47	8.2	8.47	Yes	6.359861	1.060055	0	0
8.2	8.47	8.2	8.47	Yes	0.96274	0.145786	0	0
8.2	8.47	8.2	8.47	Yes	1.872903	0.283611	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	No	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	8.679412	1.314311	0	0
8.38	8.66	8.38	8.66	Yes	13.02401	13.02401	0.642056	28.07571
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	2.605525	2.605525	0.128447	3.594688
8.2	8.47	8.2	8.47	Yes	5.295332	5.295332	0.261049	7.305656
8.2	8.47	8.2	8.47	Yes	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8.33	8.33	8.33	8.33	Yes	0	0	0	0
8.33	8.33	8.33	8.33	No	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

			2030
PM10	PM2.5	SO2	NOx
#REF!	#REF!	#REF!	#REF!

				Permit				20
% Sep	% Oct	% Nov	% Dec	Status	PM10	PM2.5	SO2	NOx
8.26	8.54	8.26	8.54	Yes	7.235498	7.235498	0.356695	179.7766
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.26	8.54	8.26	8.54	Yes	5.460281	5.460281	0.26918	103.0169
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.33	8.33	8.33	8.33	Yes	14.20647	14.20647	0.700349	30.62472
8.61	3.9	8.61	8.89	Yes	29.2399	29.2399	1.441466	63.03213
0.78	0	6.27	12.15	Yes	2.584385	2.584385	0.127405	11.14226
8.93	9.22	8.93	9.22	Yes	1.729321	1.729321	0.085252	7.455755
8.35	8.63	8.35	8.63	Yes	98.64212	98.64212	176.1238	47.23116
8.2	8.47	8.2	8.47	Yes	0.113652	0	0.480962	0.32481
6.53	9.62	10.31	10.65	Yes	4.062805	4.062805	0.200288	17.51629
6.97	5.28	9.08	9.38	Yes	5.856659	5.856659	0.288721	25.25027
6.97	5.28	9.08	9.38	Yes	5.400198	5.400198	0.266218	23.28229
6.97	5.28	9.08	9.38	Yes	4.073097	4.073097	0.200795	17.56066
8.35	8.62	8.35	8.62	Yes	11.25992	11.25992	0.55509	24.27288
8.35	8.62	8.35	8.62	Yes	1.000015	0.184169	4.831802	5.838473
8.2	8.47	8.2	8.47	Yes	0	0	0.256765	12.79256
6.4	1.42	10.67	11.03	Yes	9.331434	9.331434	0.46002	40.23133
8.2	8.47	8.2	8.47	Yes	1.212319	0	2.414908	3.464732
8.5	6.23	7.65	8.67	Yes	2.530978	2.530978	0.124772	5.456001
8.5	6.23	7.65	8.67	Yes	4.315374	4.315374	0.212739	9.302604
8.33	8.33	8.33	8.33	Yes	0.680658	0.680658	59.11894	2.934572
8.64	4.24	8.74	9.03	Yes	1.182736	1.182736	108.4162	2.549611
6.97	5.28	9.08	9.38	Yes	5.592756	5.592756	0.364957	36.82092
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.33	8.33	8.33	8.33	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	3.570987	3.589537	24.92106	57.64648
8.2	8.47	8.2	8.47	Yes	6.359861	1.060055	0	0
8.2	8.47	8.2	8.47	Yes	0.96274	0.145786	0	0
8.2	8.47	8.2	8.47	Yes	1.872903	0.283611	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	No	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	8.679412	1.314311	0	0
8.38	8.66	8.38	8.66	Yes	13.02401	13.02401	0.642056	28.07571
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	2.605525	2.605525	0.128447	3.594688
8.2	8.47	8.2	8.47	Yes	5.295332	5.295332	0.261049	7.305656
8.2	8.47	8.2	8.47	Yes	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8.2	8.47	8.2	8.47	Yes	0	0	0	0
8.2	8.47	8.2	8.47	Yes	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8.33	8.33	8.33	8.33	Yes	0	0	0	0
8.33	8.33	8.33	8.33	No	0	0	0	0
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

11 Actual Emissions (tons/yr)					
VOC	CO	NH3	Benzene	Chlorine	HCl
442.361	1427.466	7.540	2.199	0.000	0.000

2011 Actual Emissions						
VOC	CO	NH3	Benzene	Chlorine	HCl	
0.715	10.925	0.416	0.000			0.000
0.000	0.000	0.000				0.000
0.540	8.245	0.314	0.000			0.000
0.000	0.000	0.000				0.000
2.891	44.150	1.682	0.001			0.000
0.256	3.902	0.149	0.000			0.000
0.171	2.611	0.099	0.000			0.000
0.000	38.645	0.000	0.027			0.000
2.974	7.860	0.000	0.078			0.000
0.402	6.135	0.234	0.000			0.000
0.579	8.843	0.337	0.000			0.000
0.534	8.154	0.311	0.000			0.000
0.403	6.150	0.234	0.000			0.000
1.113	17.002	0.648	0.000			0.000
0.012	0.221	0.035	0.000			0.386
10.981	29.021	0.000	0.003			0.000
0.923	14.090	0.537	0.000			0.000
0.279	0.737	0.000	0.008			0.000
0.250	3.822	0.146	0.000			0.000
0.427	6.516	0.248	0.000			0.000
0.067	1.028	0.039	0.000			0.000
1.165	1149.403	0.022	0.063			0.000
0.000						0.000
0.192			0.002			0.000
0.401			0.015			0.000
0.404						0.000
0.062			0.002			0.000
0.049			0.000			0.000
3.947			0.000			0.000
8.553			0.027			0.000
8.554			0.026			0.000
8.367			0.005			0.000
8.358			0.151			0.000
8.365			0.013			0.000
1.855			0.093			0.000

1.850			0.018			0.000
1.701			0.001			0.000
1.732			0.001			0.000
2.062			0.008			0.000
2.038			0.000			0.000
1.895			0.009			0.000
2.160			0.024			0.000
1.901			0.000			0.000
0.059			0.019			0.000
8.612			0.018			0.000
8.959						0.000
8.826			0.003			0.000
8.795						0.000
8.090			0.181			0.000
1.857						0.000
3.698			0.027			0.000
0.499			0.000			0.000
1.877			0.010			0.000
1.847			0.027			0.000
4.012			0.018			0.000
0.022			0.062			0.000
0.021			0.064			0.000
0.039			0.001			0.000
0.029			0.005			0.000
1.962			0.028			0.000
0.371			0.026			0.000
0.391			0.002			0.000
0.381			0.002			0.000
0.371			0.006			0.000
0.210			0.006			0.000
0.571			0.116			0.000
0.593			0.022			0.000
0.312			0.022			0.000
0.557			0.028			0.000
0.360			0.005			0.000
0.986			0.010			0.000
0.458			0.029			0.000
0.303						0.000
4.579						0.000
0.918			0.018			0.000
0.998						0.000
0.786						0.000
0.059						0.000
0.461			0.003			0.000
0.071						0.000
0.059			0.004			0.000
0.073			0.000			0.000
0.885			0.000			0.000
0.018			0.025			0.000

0.057			0.027			0.000
0.035			0.062			0.000
0.106			0.066			0.000
1.037			0.029			0.000
23.193						0.000
0.024						0.000
0.000						0.000
2.343	5.177	0.000	0.005			0.000
1.030			0.003			3.246
12.274			0.004			0.446
0.938			0.003			0.868
0.000	0.000	0.000				0.000
1.618						0.000
0.000						0.000
3.587			0.005			4.025
1.288	19.665	0.749	0.001			0.000
0.000						0.000
6.250	0.000	0.000	0.035			0.000
0.258	3.934	0.150				0.000
0.524	7.996	0.305				0.000
0.000	0.000	0.000	0.000			0.000
0.000	0.000	0.000				0.000
180.718			0.447			0.000
0.780			0.010			0.000
10.450	0.000	0.000				0.000
4.454	0.000	0.000	0.060			0.000
0.036						0.000
0.880			0.027			0.000
1.405	21.451	0.817	0.001			0.000
0.117	1.786	0.068	0.000			0.000
7.779			0.000			0.000
0.013			0.001			0.000
0.002						0.000
8.584			0.019			0.000
9.483			0.030			0.000

9 True-Up Emissions (tons/yr)					
VOC	CO	NH3	Benzene	Chlorine	HCl
449.239	1427.466	7.540	1.018	0.000	0.000

wth?	No

This is a PTE validation, so no growth should be applied

019 True-Up Emissions						
VOC	CO	NH3	Benzene	Chlorine	HCl	
0.71533	10.92504	0.416192	0.00049	0	0	0.000

0	0	0	0	0	0	0.000	Items with
0.539825	8.2446	0.31408	0.00036	0	0	0.000	
0	0	0	0	0	0	0.000	Items with
1.404508	21.45066	0.817168	0	0	0	0.000	
2.890773	44.14998	1.681904	0.00099	0	0	0.000	
0.255503	3.90222	0.148656	0.00007	0	0	0.000	
0.170968	2.61114	0.099472	0.0001	0	0	0.000	
0	38.64483	0	0.000244	0	0	0.000	See below
0.27881	0.736855	0	0.002775	0	0	0.114	
0.401665	6.13452	0.233696	0.00019	0	0	0.000	
0.579013	8.8431	0.33688	0.000195	0	0	0.000	
0.533885	8.15388	0.310624	0.0002	0	0	0.000	
0.402683	6.15006	0.234288	0.000135	0	0	0.000	
1.1132	17.0016	0.64768	0.000515	0	0	0.000	
0.012392	0.22129206	0.035407	0	0	0	0.816	
10.98084	29.020802	0	0.000325	0	0	0.000	
0.922543	14.08974	0.536752	0.00034	0	0	0.000	
2.974048	7.859984	0	0.009655	0	0	1.212	
0.250223	3.82158	0.145584	0.000045	0	0	0.000	
0.426635	6.51588	0.248224	0.000135	0	0	0.000	
0.067292	1.02774	0.039152	2.75E-07	0	0	0.000	Correction
0.11693	1.78584	0.068032	4.58E-07	0	0	0.000	three units
1.165148	1149.40252	0.022281	0.0163	0	0	0.000	
0	0	0	0	0	0	0.000	Items with
0.191837	0	0	0	0	0	0.000	
173.9202	0	0	0.89247	0	0	0.000	
23.19289	0	0	0	0	0	0.000	
0	0	0	0	0	0	0.000	Items with
2.343484	5.17746397	0	0.01281	0	0	0.019	
1.030176	0	0	0.005789	0	0	5.300	
12.27381	0	0	0.005789	0	0	0.817	
0.938196	0	0	0.005789	0	0	1.589	
0	0	0	0	0	0	0.000	Items with
1.618443	0	0	0	0	0	0.000	
0	0	0	0	0	0	0.000	Items with
3.58722	0	0	0.005789	0	0	7.365	
1.287605	19.66524	0.749152	0	0	0	0.000	
0	0	0	0	0	0	0.000	Items with
6.25	0	0	0	0	0	0.000	
0.257593	3.93414	0.149872	0	0	0	0.000	
0.523518	7.99554	0.304592	0	0	0	0.000	
0	0	0	0	0	0	0.000	Items with
0	0	0	0	0	0	0.000	Items with
180.7175	0	0	0.05699	0	0	0.000	
10.45	0	0	0	0	0	0.000	
4.454	0	0	0	0	0	0.000	

) Projected Emissions (tons/yr)					
VOC	CO	NH3	Benzene	Chlorine	HCl
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

19 Projected Emissions						
VOC	CO	NH3	Benzene	Chlorine	HCl	
0.71533	10.92504	0.416192	0.00049	0	0	0.000
0	0	0	0	0	0	0.000
0.539825	8.2446	0.31408	0.00036	0	0	0.000
0	0	0	0	0	0	0.000
1.404508	21.45066	0.817168	0	0	0	0.000
2.890773	44.14998	1.681904	0.00099	0	0	0.000
0.255503	3.90222	0.148656	0.00007	0	0	0.000
0.170968	2.61114	0.099472	0.0001	0	0	0.000
0	38.64483	0	0.000244	0	0	0.000
0.27881	0.736855	0	0.002775	0	0	0.114
0.401665	6.13452	0.233696	0.00019	0	0	0.000
0.579013	8.8431	0.33688	0.000195	0	0	0.000
0.533885	8.15388	0.310624	0.0002	0	0	0.000
0.402683	6.15006	0.234288	0.000135	0	0	0.000
1.1132	17.0016	0.64768	0.000515	0	0	0.000
0.012392	0.22129206	0.035407	0	0	0	0.816
10.98084	29.020802	0	0.000325	0	0	0.000
0.922543	14.08974	0.536752	0.00034	0	0	0.000
2.974048	7.859984	0	0.009655	0	0	1.212
0.250223	3.82158	0.145584	0.000045	0	0	0.000
0.426635	6.51588	0.248224	0.000135	0	0	0.000
0.067292	1.02774	0.039152	2.75E-07	0	0	0.000
0.11693	1.78584	0.068032	4.58E-07	0	0	0.000
1.165148	1149.40252	0.022281	0.0163	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

0	0	0	0	0	0	0.000
0.191837	0	0	0	0	0	0.000
173.9202	0	0	0.89247	0	0	0.000
23.19289	0	0	0	0	0	0.000
0	0	0	0	0	0	0.000
2.343484	5.17746397	0	0.01281	0	0	0.019
1.030176	0	0	0.005789	0	0	5.300
12.27381	0	0	0.005789	0	0	0.817
0.938196	0	0	0.005789	0	0	1.589
0	0	0	0	0	0	0.000
1.618443	0	0	0	0	0	0.000
0	0	0	0	0	0	0.000
3.58722	0	0	0.005789	0	0	7.365
1.287605	19.66524	0.749152	0	0	0	0.000
0	0	0	0	0	0	0.000
6.25	0	0	0	0	0	0.000
0.257593	3.93414	0.149872	0	0	0	0.000
0.523518	7.99554	0.304592	0	0	0	0.000
0	0	0	0	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
0	0	0	0	0	0	0.000
180.7175	0	0	0.05699	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
10.45	0	0	0	0	0	0.000
4.454	0	0	0	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Projected Emissions (tons/yr)					
VOC	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

24 Projected Emissions						
VOC	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**	
0.71533	10.92504	0.416192	0.00049	0	0	0.000
0	0	0	0	0	0	0.000
0.539825	8.2446	0.31408	0.00036	0	0	0.000
0	0	0	0	0	0	0.000
1.404508	21.45066	0.817168	0	0	0	0.000

2.890773	44.14998	1.681904	0.00099	0	0	0.000
0.255503	3.90222	0.148656	0.00007	0	0	0.000
0.170968	2.61114	0.099472	0.0001	0	0	0.000
0	38.64483	0	0.000244	0	0	0.000
0.27881	0.736855	0	0.002775	0	0	0.114
0.401665	6.13452	0.233696	0.00019	0	0	0.000
0.579013	8.8431	0.33688	0.000195	0	0	0.000
0.533885	8.15388	0.310624	0.0002	0	0	0.000
0.402683	6.15006	0.234288	0.000135	0	0	0.000
1.1132	17.0016	0.64768	0.000515	0	0	0.000
0.012392	0.22129206	0.035407	0	0	0	0.816
10.98084	29.020802	0	0.000325	0	0	0.000
0.922543	14.08974	0.536752	0.00034	0	0	0.000
2.974048	7.859984	0	0.009655	0	0	1.212
0.250223	3.82158	0.145584	0.000045	0	0	0.000
0.426635	6.51588	0.248224	0.000135	0	0	0.000
0.067292	1.02774	0.039152	2.75E-07	0	0	0.000
0.11693	1.78584	0.068032	4.58E-07	0	0	0.000
1.165148	1149.40252	0.022281	0.0163	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
0	0	0	0	0	0	0.000
0.191837	0	0	0	0	0	0.000
173.9202	0	0	0.89247	0	0	0.000
23.19289	0	0	0	0	0	0.000
0	0	0	0	0	0	0.000
2.343484	5.17746397	0	0.01281	0	0	0.019
1.030176	0	0	0.005789	0	0	5.300
12.27381	0	0	0.005789	0	0	0.817
0.938196	0	0	0.005789	0	0	1.589
0	0	0	0	0	0	0.000
1.618443	0	0	0	0	0	0.000
0	0	0	0	0	0	0.000
3.58722	0	0	0.005789	0	0	7.365
1.287605	19.66524	0.749152	0	0	0	0.000
0	0	0	0	0	0	0.000

6.25	0	0	0	0	0	0.000
0.257593	3.93414	0.149872	0	0	0	0.000
0.523518	7.99554	0.304592	0	0	0	0.000
0	0	0	0	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
0	0	0	0	0	0	0.000
180.7175	0	0	0.05699	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
10.45	0	0	0	0	0	0.000
4.454	0	0	0	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

3 Projected Emissions (tons/yr)					
VOC	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

28 Projected Emissions						
VOC	**CO**	**NH3**	**Benzene**	**Chlorine**	**HCl**	
0.71533	10.92504	0.416192	0.00049	0	0	0.000
0	0	0	0	0	0	0.000
0.539825	8.2446	0.31408	0.00036	0	0	0.000
0	0	0	0	0	0	0.000
1.404508	21.45066	0.817168	0	0	0	0.000
2.890773	44.14998	1.681904	0.00099	0	0	0.000
0.255503	3.90222	0.148656	0.00007	0	0	0.000
0.170968	2.61114	0.099472	0.0001	0	0	0.000
0	38.64483	0	0.000244	0	0	0.000
0.27881	0.736855	0	0.002775	0	0	0.114
0.401665	6.13452	0.233696	0.00019	0	0	0.000
0.579013	8.8431	0.33688	0.000195	0	0	0.000
0.533885	8.15388	0.310624	0.0002	0	0	0.000
0.402683	6.15006	0.234288	0.000135	0	0	0.000
1.1132	17.0016	0.64768	0.000515	0	0	0.000
0.012392	0.22129206	0.035407	0	0	0	0.816
10.98084	29.020802	0	0.000325	0	0	0.000
0.922543	14.08974	0.536752	0.00034	0	0	0.000
2.974048	7.859984	0	0.009655	0	0	1.212
0.250223	3.82158	0.145584	0.000045	0	0	0.000

0.426635	6.51588	0.248224	0.000135	0	0	0.000
0.067292	1.02774	0.039152	2.75E-07	0	0	0.000
0.11693	1.78584	0.068032	4.58E-07	0	0	0.000
1.165148	1149.40252	0.022281	0.0163	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
0	0	0	0	0	0	0.000
0.191837	0	0	0	0	0	0.000
173.9202	0	0	0.89247	0	0	0.000
23.19289	0	0	0	0	0	0.000
0	0	0	0	0	0	0.000
2.343484	5.17746397	0	0.01281	0	0	0.019
1.030176	0	0	0.005789	0	0	5.300
12.27381	0	0	0.005789	0	0	0.817
0.938196	0	0	0.005789	0	0	1.589
0	0	0	0	0	0	0.000
1.618443	0	0	0	0	0	0.000
0	0	0	0	0	0	0.000
3.58722	0	0	0.005789	0	0	7.365
1.287605	19.66524	0.749152	0	0	0	0.000
0	0	0	0	0	0	0.000
6.25	0	0	0	0	0	0.000
0.257593	3.93414	0.149872	0	0	0	0.000
0.523518	7.99554	0.304592	0	0	0	0.000
0	0	0	0	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
0	0	0	0	0	0	0.000
180.7175	0	0	0.05699	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
10.45	0	0	0	0	0	0.000
4.454	0	0	0	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

) Projected Emissions (tons/yr)					
VOC	CO	NH3	Benzene	Chlorine	HCl
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

30 Projected Emissions						
VOC	CO	NH3	Benzene	Chlorine	HCl	
0.71533	10.92504	0.416192	0.00049	0	0	0.000
0	0	0	0	0	0	0.000
0.539825	8.2446	0.31408	0.00036	0	0	0.000
0	0	0	0	0	0	0.000
1.404508	21.45066	0.817168	0	0	0	0.000
2.890773	44.14998	1.681904	0.00099	0	0	0.000
0.255503	3.90222	0.148656	0.00007	0	0	0.000
0.170968	2.61114	0.099472	0.0001	0	0	0.000
0	38.64483	0	0.000244	0	0	0.000
0.27881	0.736855	0	0.002775	0	0	0.114
0.401665	6.13452	0.233696	0.00019	0	0	0.000
0.579013	8.8431	0.33688	0.000195	0	0	0.000
0.533885	8.15388	0.310624	0.0002	0	0	0.000
0.402683	6.15006	0.234288	0.000135	0	0	0.000
1.1132	17.0016	0.64768	0.000515	0	0	0.000
0.012392	0.22129206	0.035407	0	0	0	0.816
10.98084	29.020802	0	0.000325	0	0	0.000
0.922543	14.08974	0.536752	0.00034	0	0	0.000
2.974048	7.859984	0	0.009655	0	0	1.212
0.250223	3.82158	0.145584	0.000045	0	0	0.000
0.426635	6.51588	0.248224	0.000135	0	0	0.000
0.067292	1.02774	0.039152	2.75E-07	0	0	0.000
0.11693	1.78584	0.068032	4.58E-07	0	0	0.000
1.165148	1149.40252	0.022281	0.0163	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
0	0	0	0	0	0	0.000
0.191837	0	0	0	0	0	0.000
173.9202	0	0	0.89247	0	0	0.000
23.19289	0	0	0	0	0	0.000
0	0	0	0	0	0	0.000
2.343484	5.17746397	0	0.01281	0	0	0.019
1.030176	0	0	0.005789	0	0	5.300
12.27381	0	0	0.005789	0	0	0.817
0.938196	0	0	0.005789	0	0	1.589
0	0	0	0	0	0	0.000
1.618443	0	0	0	0	0	0.000
0	0	0	0	0	0	0.000
3.58722	0	0	0.005789	0	0	7.365
1.287605	19.66524	0.749152	0	0	0	0.000
0	0	0	0	0	0	0.000
6.25	0	0	0	0	0	0.000
0.257593	3.93414	0.149872	0	0	0	0.000
0.523518	7.99554	0.304592	0	0	0	0.000
0	0	0	0	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
0	0	0	0	0	0	0.000
180.7175	0	0	0.05699	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
10.45	0	0	0	0	0	0.000
4.454	0	0	0	0	0	0.000
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

zero emissions

zero emissions

to previous version - I took the total previously calculatied for these
s, calculated the appropriate % for each and then multiplied

zero emissions

zero emissions

zero emissions

zero emissions

zero emissions

zero emissions
zero emissions

RACT EVALUATION REPORT
Chevron Refinery

1.0 INTRODUCTION AND FACILITY DESCRIPTION

The following is an updated version of the original RACT evaluation that was completed on October 1, 2013 as a part of the Technical Support Documentation for Section IX, Parts H.11, 12 and 13 of the Utah SIP; to address the Salt Lake City PM2.5 and Provo, Utah PM2.5 Nonattainment Areas.

1.1 Facility Identification

Name: Chevron Salt Lake Refinery (Chevron)
Address: 2351 N 1100 W, Salt Lake City, Utah, Davis County
Owner/Operator: Chevron Products Company
UTM coordinates: 4,519,770 m Northing, 422,270 m Easting, Zone 12

1.2 Facility Process Summary

The Chevron Refinery is a petroleum refinery capable of processing 45,000 barrels per day of crude oil. The source consists of a FCCU, delayed coking unit, catalytic reforming unit, hydrotreating units and a sulfur recovery unit. The source also has the usual assorted heaters, boilers, cooling towers, storage tanks, flares, and similar fugitive emissions. The refinery also operates with a flare gas recovery system on its hydrocarbon flares.

1.3 Facility Criteria Air Pollutant Emissions Sources

The following is a listing of the main emitting units from the Chevron Refinery:

Boiler #1
Boiler #2
Boiler #4
Boiler #5 (Low-NOx)
Boiler #6 (Low-NOx)
Cooling Tower #1
Cooling Tower #2
Cooling Tower #3
Cooling Tower #4 (Grandfathered)
Crude Unit Furnace #1 (Low-NOx)
Crude Unit Furnace #2 (Low-NOx)
FCC Furnace #1
FCC Furnace #2
HDN Furnace #1
HDN Furnace #2

Reformer Furnace F-1
Reformer Furnace F-2
Reformer Furnace F-3
Alkylation Furnace (Low-NOx)
Coker Furnace
HDS Furnace #1 (Low-NOx)
HDS Furnace #2 (Low-NOx)
VGO Furnace #1 (Low-NOx)
VGO Furnace #2 (Low-NOx)
SRU/TGTU/TGI #1 (SRU and Tail Gas Incinerator #1)
SRU/TGTU/TGI #2 (SRU and Tail Gas Incinerator #2)
Amine Unit #1
Amine Unit #2
FCCU and Catalyst Regenerator
Flameless Thermal Oxidizer
Coker Flare (Flare #1)
FCCU Flare (Flare #2)
Alkylation Flare (Flare #3)
Diesel-powered back-up equipment:
1 Emergency air compressor rated at 760 HP
1 Emergency generator rated at 1340 HP
4 Emergency generators rated at 670 HP each
1 Emergency generator rated at 335 HP
1 Emergency cooling water pump rated at 630 HP
2 HF Mitigation pumps rated at 830 HP each
Reformer Compressor Drivers (natural gas-fired)
Tank Farm
Loading/Unloading
Fugitives
Wastewater Treatment Plant

This is not meant to be a complete listing of all equipment which may be involved or required during permitting activities at the refinery, rather it is a listing of all significant emission units or emission unit groups (such as the tank farm). Emission units such as a fluidized catalytic cracking unit (FCCU) which may have multiple individual component parts, but which can be treated as a single unit for purposes of RACT analysis and discussion, will be treated in such a manner.

1.4 RACT Cut-off Threshold

In general, when analyzing emissions for purposes of RACT, DAQ chose to concentrate on those emission units where the application of controls would show the greatest benefit. To that effect, applying controls to extremely small sources of emissions would result in negligible emissions reductions. Therefore, DAQ established a general rule of thumb for reviewing emission units based on the small source exemption rule R307-401-9, which exempts sources of emissions below five (5) tons per year from needing to submit a

notice of intent (NOI) or requiring an approval order (AO).

So any unit with 2008 true-up emissions below 5 tons per year could theoretically be eliminated from the RACT analysis.

2.0 RACT Evaluation

2.1 FCCU

The FCCU operates in complete combustion mode. The FCCU feed is hydrotreated, and catalyst additives are used to control both SO_2 and NOx emissions. Although the emission inventory lists a "CO boiler" this unit is not a true CO emission burning boiler, since such a device would only be present in a partial burn FCCU.

The 2008 true-up emissions from the FCCU include the changes implemented by Chevron during its Crude Unit Reliability and Efficiency (C.U.R.E.) project, which was permitted in 2011 as DAQE-AN0101190085-11, and were as follows:

$PM_{2.5}$ = 13.5 tons
SO_2 = 11.2 tons
NOx = 19.7 tons
VOC = 0 tons

<u>$PM_{2.5}$</u>

Available Control Technology

For control of particulate emissions from an FCCU, a source can choose from the usual array of options, either high efficiency electrostatic precipitation or fabric filtration (baghouse) being the primary choices depending on the electrical resistivity of the coke burn-off at the particular refinery. Two additional, more recent choices have also emerged: wet gas scrubbing (WGS) and a "flue gas blowback filter" (FGF). The FGF is an in-stack filter that operates in a similar fashion to a fabric filtration system, but on a smaller and faster cleaning scale. They are designed specifically for use with a FCCU, and have not been commercially applied in the U.S. but have seen successful application overseas.

Technically Infeasible RACT Controls

N/A. All listed control options are technically feasible.

Evaluation and Ranking of Technically Feasible RACT Controls

In terms of efficiency, for control of particulate emissions, the available controls would be ranked as follows:

- Pulse jet fabric filter
- FGF
- WGS
- ESP

Fabric filters have the highest efficiency but are designed only to control particulate emissions. Because of their high efficiency, they suffer from a problem other control options do not have. Petroleum coke burn-off can be extremely sticky, and the fabric in these baghouses can easily become fouled and lead to blown bags. Higher cost bags can avoid this problem, but this application leads to higher operating costs.

The FGF option has a control efficiency nearly as high as a well maintained pulse jet fabric filter. However, the installation cost is much higher than that of a fabric filter.

While the WGS system has the added benefit of removing particulates, it is primarily designed as a control device for removal of SO_2 emissions. Installation and operation of a WGS is also far more expensive than any of the other options. Wet scrubbing inherently involves water treatment and disposal/discharge, which much be included in the operating cost.

Use of a high efficiency ESP is the default option. Chevron's 2009 source testing demonstrated a high percentage of sulfate-based particulate (using Method 5F analysis). This suggests that the majority of the particulate is $PM_{2.5}$, and that the ESP is operating well. It is extremely doubtful that additional particulate control would be achievable with any other add-on control technology.

Selection of RACT Controls

As no additional reductions of particulate are expected with a switch to or with the addition of any other form of particulate control, the denominator of the control cost equation becomes zero. Since this leads to an irrational equation, no additional or retrofit controls are economically feasible. Therefore, DAQ's recommendation is for Chevron to continue to operate the high efficiency ESP on the FCCU for control of particulate emissions. There are no additional expected reductions in emissions from the 2008 "true-up" inventory. However, there is a 113 ton/year decrease in $PM_{2.5}$ emissions from the 2008 baseline inventory, which did not include the new ESP.

SO_2

Available Control Technology

Several options for removal of sulfur from FCCUs exist:

- Feed hydrotreating removes the sulfur prior to cracking operations begin.
- DeSOx catalyst injection prevents the sulfur from forming in the coke so it isn't burned off during regeneration.

- WGS allows for use of normal (non-deSOx) catalyst use, and then removes the SO2 from the exhaust gases through wet contact scrubbing

These options, while not necessarily mutually exclusive, do have impacts on other control options for other pollutants. Feed hydrotreating does have some benefit on NOx formation. Use of deSOx catalyst does create additional sulfate (condensible PM2.5). The use of WGS prevents the use of fabric filtration, but allows the use of LoTOx, a NOx control option.

Technically Infeasible RACT Controls

N/A. All listed controls are technically feasible.

Evaluation and Ranking of Technically Feasible RACT Controls

Feed hydrotreating is the least effective control option. Removal of sulfur from the feedstock can be extremely difficult and costly, depending on the type of feedstock involved.

Alternatively, WGS can achieve a much higher level of SO_2 control, easily reaching the limit suggested by DAQ's contractor as found in 40 CFR 60 Subpart Ja: 50/25 ppmv (7-day/annual). As noted above in the summary for particulate control, WGS is a far more expensive option than either feed hydrotreating or deSOx catalyst. It also has the added disadvantage of waste water treatment and/or disposal.

The use of deSOx catalyst, while not achieving quite the same level of control as WGS, is still able to meet the Subpart Ja limits. The one known disadvantage to deSOx catalyst use is excess sulfate formation; although this can be treated with proper particulate control.

Selection of RACT Controls

Chevron is currently using a combination of feed hydrotreating and deSOx catalyst injection that meets the Subpart Ja limits. While the WGS could reduce emissions further, the current low level of actual emissions and extremely high cost of a WGS system easily renders this option economically infeasible. Therefore, DAQ recommends that Chevron continue to use deSOx catalyst as needed to meet the Subpart Ja FCCU SO2 limits. As with particulate emissions, no additional reductions are expected versus the 2008 "true-up" inventory. Total reductions versus the 2008 baseline inventory are 437.5 tons SO_2/year.

<u>NOx</u>

Available Control Technology

Only four control options for control of NOx from FCCUs have been identified:

- Low-NOx regeneration with low-NOx promoter catalysts
- Feed hydrotreating
- Selective catalytic reduction (SCR)
- LoTOx in conjunction with WGS

Chevron already operates both feed hydrotreating and low-NOx promoter catalysts, so further evaluation of those options are unnecessary. The final option assumes that WGS will be used. Although the analysis for SO_2 above did not show a result with WGS as the outcome, LoTOx will still be evaluated here.

Technically Infeasible RACT Controls

N/A. All control options are technically feasible. Although LoTOx requires use of a WGS system is simultaneously in use, this does not invalidate its technical feasibility.

Evaluation and Ranking of Technically Feasible RACT Controls

An SCR system can achieve approximately 80 to 90% control. On a base case of 19.7 tons/year of emissions, a total reduction of perhaps 17 tons/year is possible; yielding a relative control value of $65,000/ton.

Installation of LoTOx is expected to give a similar level of control on NOx as SCR, although the overall cost will be much higher, since it can only be installed along with a WGS system. The control value is estimated at $153,000/ton.

Selection of RACT Controls

Given the low amount of NOx reduction to be achieved, DAQ does not recommend any additional controls be installed. Chevron's FCCU already meets the Subpart Ja NOx limits using low-NOx regeneration with low-NOx promoter catalysts and feed hydrotreating.

2.2 Process Heaters and Boilers

$PM_{2.5}$

No PM RACT controls were considered for process heaters or boilers. Given that these emission units are fired on gaseous fuels, with inherently low particulate formation, no controls are expected to be cost effective.

SO_2

Available Control Technology

By consolidating all process heaters and boilers together into a single group for RACT consideration DAQ is able to consider controls on some emissions from this group which

would ordinarily be dropped as too insignificant. However, it also limits the available options. In this particular case, only one option is available. The long term Subpart Ja refinery fuel gas H2S limit of 60 ppmv as well as the existing short term Subpart J limit of 162 ppmv on a 3-hour average.

Technically Infeasible Controls

N/A. These are standard limits which exist in two established federal requirements (NSPS subparts).

Evaluation and Ranking of Technically Feasible RACT Controls

The refinery is already subject to the requirements of Subpart J, and has been for some time. During the review of the various RACT evaluations, DAQ determined that the fuel gas H_2S limit from Subpart Ja would apply equally to all refineries in the nonattainment area and elected to make this a refinery general requirement rather than a specific limitation. Each of the listed refineries, and all members of the Utah Petroleum Association agreed to this change.

Selection of RACT Controls

DAQ recommended that the Subpart Ja fuel gas H_2S limit of 60 ppmv limit on a 365 day average be made into a general refinery requirement. Although Chevron is currently meeting this limit, the refinery has agreed to fuel monitoring for total reduced sulfur to establish a fuel sulfur ratio for purposes of SO_2 plant-wide limitation monitoring and compliance. Therefore, DAQ further recommends that Chevron follow the draft general refinery SIP requirement "Limits on Refinery Fuel Gas" as outlined in the Refinery General RACT Evaluation.

<u>NOx</u>

Available Control Technology

Based on comments received from EPA during the initial $PM_{2.5}$ SIP publication for public comment in 2012, DAQ issued instructions to each listed source to consider RACT for NOx only for boilers and process heaters greater than about 40 MMBtu/hr in size. Comments received during the comment period did not focus on any process units smaller in capacity than those units, and a review of emissions from the 2008 true-up shows that emission units below that capacity would likely gain limited benefit from retrofit controls. Three boilers at the Chevron refinery meet this qualification; specifically Boilers 1, 2 and 4. Although there are two other large boilers at the refinery (Boiler 5 and 6) these other two boilers both have ULNB burners already installed with vendor guaranteed 0.03 lb NOx/MMBtu emission rates. The three boilers previously identified are currently grandfathered units without LNB or other controls and would benefit most from some form of NOx control.

Although not specifically evaluated by Chevron, other available control options for heaters and boilers include flue gas recirculation (FGR), SCR, and selective non-catalytic reduction (SNCR or simple ammonia injection).

Technically Infeasible Controls

Although installing and operating ULNB is technically feasible in a general sense, in the specific case of these three boilers Chevron initially dismissed the installation of ULNB as infeasible because of flame length concerns. Instead, the three boilers would need to be replaced with new boilers with new burners (rather than simply retro-fitting the burners). This is reclassified as an economic concern and not a technical concern. FGR, SCR and SNCR are all technically feasible as retrofit controls, although specific space concerns, piping requirements or temperature needs may limit the technical usefulness of these control options on any particular heater or boiler.

Evaluation and Ranking of Technically Feasible RACT Controls

Chevron has chosen to replace all three boilers with newer units with appropriate ULNB. The new burners will achieve an emission rate similar to those seen on Chevron's existing larger boilers: 0.03 lb NOx/MMBtu.

At the size range of these new units, further adding SCR would be economically infeasible. SNCR would be of limited additional effectiveness, given the small amount of NOx emissions from heaters and boilers and the low control efficiency of SNCR.

No evaluation for FGR was provided by either Chevron or DAQ's consultant.

DAQ also evaluated the costs versus emissions on a number of process heaters at Chevron. While DAQ agrees that the equipment costs do appear high, the low level of NOx emissions from these units disqualifies individual retrofit controls. Even after correction for interest rate and capital recovery (as suggested by DAQ's contractor) SCR's control cost is still more than $50,000 per ton on these units, and ULNB replacement would yield a total of only 18 tons of NOx reductions.

Selection of RACT Controls

DAQ recommends that Chevron replace the three boilers (Boilers 1, 2 and 4) with ULNB capable of achieving a NOx emission rate of 0.03 lb/MMBtu. Total expected emission reduction of 110 tons of NOx per year (this is in addition to emissions already shown in the 2008 "true-up inventory").

2.3 SRU

SO_2

Chevron operates two SRUs that each have a tail gas treatment unit (TGTU) followed by

tail gas incineration.

Available Control Technology

Three control systems were identified to further control emissions from a well-controlled SRU. For purposes of this review a "well-controlled SRU" is one that is already operating with a tail gas treatment system followed by tail gas incineration.

- LoCat
- WGS
- Caustic Scrubbing

LoCat is unusual in that it can serve as both a final treatment following the SRU (both in addition to, or in-lieu of a tail gas unit) or as a fuel gas sulfur removal unit (in case the SRU itself goes down).

WGS is a final control option, where the exhaust from the SRU is sent to the WGS in-lieu of tail gas treatment.

Caustic scrubbing is typically used as a replacement for a SRU, such as a redundant back-up device, but can be used as a final scrubbing process.

Technically Infeasible Controls

N/A. Although all controls are technically feasible, specific stoichiometric concerns at a particular refinery, along with piping or space limitations may render technical feasibility more or less likely for each of the listed options.

Evaluation and Ranking of Technically Feasible RACT Controls

Although all three options are technically feasible, none is a good option as an add-on control. Well-controlled SRUs can achieve 99.9% or better sulfur recovery efficiency rates. Chevron's SRU shows SO2 emissions of approximately 11 tons per year, additional add-on controls will not be cost effective at these low inlet loadings.

Selection of RACT Controls

DAQ recommends that Chevron continue to operate its SRU/TGTU/TGI trains. As no changes are occurring, no expected emission reductions will result versus the 2008 "true-up" emission inventory. Although there is a small increase of nearly 6 tons per year when compared with the 2008 baseline inventory, this represents the addition of the second SRU/TGTU/TGI train which was added as part of the C.U.R.E project and included in the "true-up" inventory.

2.4 Cooling Towers

<u>VOC</u>

Available Control Technology

During review of the RACT evaluations for the refineries, it became apparent that DAQ's contractor was making the same recommendation to all listed refineries. Specifically, that each refinery apply the 40 CFR 63 Subpart CC requirements to all cooling towers servicing heat exchangers with high VOC content streams.

Technically Infeasible Controls

The only difficulty with applying these requirements is the monitoring methodology involved. The MACT CC requirements specifically apply to HAPs, and can have difficult or tedious monitoring methodologies. Once the listed refineries all agreed on the methodology and agreed to relatively simple defining language as a refinery general SIP requirement the technical infeasibility became moot.

Evaluation and Ranking of Technically Feasible RACT Controls

N/A. This has become a refinery general SIP requirement.

Selection of RACT Controls

DAQ recommends that Chevron follow the draft general refinery SIP requirement "Limits on Heat Exchangers" as outlined in the Refinery General RACT Evaluation.

2.5 Flares

<u>Flare Gas Emissions</u>

Available Control Technology

There are two parts to refinery flares, as outlined in the Refinery General RACT Evaluation. The first is setting all refinery hydrocarbon flares as subject to the requirements of 40 CFR 60 Subpart Ja. The second is requiring all refineries to have a flare gas recovery system in place and operating by January 1, 2019 that meets the flare event limits listed in 40 CFR 60.103a(c).

Technically Infeasible Controls

N/A. Neither part is technically infeasible.

Evaluation and Ranking of Technically Feasible RACT Controls

The refinery general requirement of subjecting all hydrocarbon flares to the requirements of Subpart Ja has already been accepted by all listed refineries. As discussed in the Refinery General RACT Evaluation, most refineries will begin economic evaluations of flaring events beginning in November of 2015 to determine whether a flare gas recovery program is viable regardless of any imposing of such requirement by DAQ.

Chevron implemented a flare gas recovery system on its hydrocarbon flares as part of the C.U.R.E project in 2011. This system greatly reduced the emissions from both the North and South Flares, transforming both emission units into true "upset only" flares. The third flare is a dedicated flare for the HF alkylation unit and cannot be classified as a hydrocarbon flare due to the HF acid. Flare gas recovery on this unit would be technically infeasible, and DAQ has already acknowledged this with the wording of the language in the general refinery requirement.

Selection of RACT Controls

DAQ recommends that Chevron continue to operate its existing flare gas recovery system as outlined in its latest existing refinery AO; as well as implement the draft general refinery SIP requirement "Requirements on Hydrocarbon Flares" as outlined in the Refinery General RACT Evaluation. There are no expected emission reductions versus the 2008 "true-up" emission inventory as the flare gas recovery system was already included in that inventory. However, when compared versus the 2008 baseline inventory for modeling purposes, reductions of 554.6 tons of SO2 and 86.1 tons of NOx have occurred.

2.6 Fugitives

<u>VOC</u>

Available Control Technology

The only available control option is the low-leak LDAR program as outlined in 40 CFR 60 Subpart VVa and incorporated by reference (with some source category modifications) in 40 CFR 60 Subpart GGGa. Each listed source (including BWO) is already subject to the default base case of regular LDAR found in Subpart GGG.

Technically Infeasible Controls

N/A. Low-leak LDAR is technically feasible

Evaluation and Ranking of Technically Feasible RACT Controls

Chevron is already implementing most of the requirements of 40 CFR 60 Subpart GGGa

at the present time. As the only available control option; and being technically and economically feasible, low-leak LDAR will be required.

Selection of RACT Controls

DAQ recommends that Chevron implement the draft general refinery SIP requirement "Leak Detection and Repair Requirements" as outlined in the Refinery General RACT Evaluation.

2.7 Tanks

VOC

Available Control Technology

Although tanks as a group were evaluated for tank degassing (see the Refinery General RACT Evaluation), individual tanks were not evaluated for working or breathing losses. While some VOCs are emitted during these periods, these can only be controlled on a tank by tank basis. Larger tanks are already subject to floating roof and specific seal requirements such as those found in 40 CFR 60 Subpart Kb.

Some additional VOC reductions could be gained by including slotted guide poles and geodesic domes, but these gains are relatively minor.

Technically Infeasible Controls

N/A. Although both available controls for individual tanks are technically feasible, neither is being included for specific consideration at this time. In the case of slotted guide poles, such requirements are more easily handled through individual permitting requirements. Geodesic domes have not been found to be economically or technically feasible. Tank degassing as a group control is technically feasible.

Evaluation and Ranking of Technically Feasible RACT Controls

Tank degassing was evaluated as a refinery general requirement.

Selection of RACT Controls

DAQ recommends that Chevron implement draft general refinery SIP requirement "Requirements on Tank Degassing" as outlined in the Refinery General RACT Evaluation.

2.8 Wastewater

VOC

Available Control Technology

None provided. DAQ's contractor provided only a single option which was to ensure all drains (etc) were covered and to route the API separator vent gas to a control device (thermal combustion or oxidation).

Technically Infeasible Controls

N/A. This option is technically feasible.

Evaluation and Ranking of Technically Feasible RACT Controls

Chevron already operates a regenerative thermal oxidizer (RTO) device in conjunction with covers and vent routing. However, the RTO is only operated approximately 75% of the time, based on VOC concentration values.

Selection of RACT Controls

DAQ recommends no changes to existing wastewater operations at present.

3.0 Conclusion- Emissions Reduction through RACT implementation

In summary, DAQ recommends the following as RACT for Chevron:

- Continuing to operate the ESP for particulate control on the FCCU
- Continued use of deSOx catalyst on the FCCU for control of SO2
- Continued use of low-NOx regeneration with low-NOx promoter catalysts
- Replacement of Boilers 1, 2 and 4 with new units equipped with ULNB capable of achieving a NOx emission rate of 0.03 lb/MMBtu
- Continue to operate the flare gas recovery system on the hydrocarbon flares.
- Apply all the draft general refinery SIP requirements as outlined in the Refinery General RACT Evaluation

Total expected reductions from the 2008 "true-up" emissions are as follows:

NOx = 110 tons

However, when compared against the 2008 baseline emissions for modeling purposes, the following emission reductions are realized:

$PM_{2.5}$ = 121.4
SO_2 = 567.5
NOx = 736.4

4.0 Startup / Shutdown

As with the other refineries, Chevron has elected not to deviate from the general refinery requirements with respect to startup and shutdown considerations. Chevron maintains a number of startup / shutdown and outage plan documents for the various components and process units within the refinery. These documents need to be adjusted to account for changes in feedstocks, catalyst formulations, outage schedules, the effects of consent decrees, and the changes resulting from implementing RACT. Without the ability to adjust these documents to changing conditions, especially those brought about by competing regulatory requirements, the refinery would be unnecessarily burdened by a lengthy rulemaking process. Therefore, Chevron will follow the startup and shutdown requirements found in IX.H.11.g.

5.0 Implementation Schedule

Chevron is able to meet the accelerated implementation schedule imposed by the updates to Section IX.H.11.g – Refinery General Requirements. This includes fuel gas sulfur limits, heat exchanger monitoring, tank degassing, and the Subpart GGGa LDAR requirements. Chevron is currently undergoing an engineering analysis for flare gas recovery on the remaining hydrocarbon flare at the refinery. Chevron identified two additional RACT projects with a multi-year schedules which prevent the refinery from undertaking an overall earlier implementation date. Installation of SCR controls on the gas fired compressors in the Reformer unit, and replacement of the #1, 2, and 4 Boilers. The installation of SCR will be completed by the end of 2014, but shakedown and testing would prevent an implementation date earlier than mid-2015 at the earliest. The boiler replacement project will not be completed until at least late-2017. As the annual and daily emission Caps found in Section IX.H.12.g are dependent on the completion of these projects, the retention of the later January 1, 2019 implementation date is appropriate.

6.0 References

- Chevron, PM2.5 SIP Major Point Source RACT Documentation – Salt Lake Refinery
- Chevron – response to information request, dated June 11, 2014
- UDSHW Contract No. 12601, Work Assignment No. 7, Utah PM2.5 SIP RACT Support – TechLaw Inc.
- DAQE-AN0101190085-11

RACT Evaluation Report – Chevron Salt Lake Refinery

UTAH $PM_{2.5}$ SIP RACT

Salt Lake City Nonattainment Area

Supporting Information