

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1677

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

| Emission * <u>Point No. (1)</u> | Source <u>Name (2)</u> | Air Contaminant <u>Name (3)</u> | <u>Emission Rates</u> | |
|---------------------------------------|---------------------------|------------------------------------|-----------------------|-----|
| | | | lb/hr | TPY |
| 11 | TANK 11 | VOC | 0.16 | |
| 12 | TANK 12 | VOC | 0.16 | |
| 13 | TANK 13 | VOC | 0.16 | |
| 101 | TANK 101 | VOC | 1.43 | |
| 102 | TANK 102 | VOC | 1.14 | |
| 103 | TANK 103 | VOC | 1.14 | |
| 104 | TANK 104 | VOC | 2.60 | |
| 151 | TANK 151 | VOC | 1.16 | |
| 152 | TANK 152 | VOC | 2.60 | |
| 153 | TANK 153 | VOC | 1.43 | |
| 251 | TANK 251 | VOC | 11.92 | |
| 307 | TANK 307 | VOC | 2.61 | |
| 308 | TANK 308 | VOC | 1.22 | |
| 309 | TANK 309 | VOC | 1.22 | |

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| Emission * Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|--------------------------------|--------------------|-----------------------------|----------------|-----|
| | | | lb/hr | TPY |
| 310 | TANK 310 | VOC | 1.19 | |
| 351 | TANK 351 | VOC | 1.21 | |
| 352 | TANK 352 | VOC | 1.21 | |
| 353 | TANK 353 | VOC | 1.21 | |
| 401 | TANK 401 | VOC | 1.23 | |
| 402 | TANK 402 | VOC | 7.83 | |
| 403 | TANK 403 | VOC | 1.23 | |
| 404 | TANK 404 | VOC | 1.23 | |
| 501 | TANK 501 | VOC | 7.55 | |
| 502 | TANK 502 | VOC | 1.25 | |
| 503 | TANK 503 | VOC | 1.31 | |
| 504 | TANK 504 | VOC | 1.31 | |
| 505 | TANK 505 | VOC | 1.31 | |
| 506 | TANK 506 | VOC | 1.31 | |
| 507 | TANK 507 | VOC | 1.25 | |
| 508 | TANK 508 | VOC | 1.25 | |
| 509 | TANK 509 | VOC | 4.50 | |
| 510 | TANK 510 | VOC | 1.25 | |

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| Emission * | Source | Air Contaminant | <u>Emission Rates</u> | |
|----------------------|-----------------|-----------------|-----------------------|------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u> | <u>TPY</u> |
| 511 | TANK 511 | VOC | 4.50 | |
| 512 | TANK 512 | VOC | 1.25 | |
| 513 | TANK 513 | VOC | 4.50 | |
| 514 | TANK 514 | VOC | 1.25 | |
| 601 | TANK 601 | VOC | 4.61 | |
| 602 | TANK 602 | VOC | 1.28 | |
| 603 | TANK 603 | VOC | 4.50 | |
| 604 | TANK 604 | VOC | 2.24 | |
| 605 | TANK 605 | VOC | 1.26 | |
| 650 | TANK 650 | VOC | 16.32 | |
| 651 | TANK 651 | VOC | 1.28 | |
| 652 | TANK 652 | VOC | 1.82 | |
| 653 | TANK 653 | VOC | 1.17 | |
| 654 | TANK 654 | VOC | 1.34 | |
| 655 | TANK 655 | VOC | 1.28 | |
| 656 | TANK 656 | VOC | 16.62 | |
| 657 | TANK 657 | VOC | 1.34 | |

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| Emission * Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|--------------------------------|--------------------|-----------------------------|----------------|-----|
| | | | lb/hr | TPY |
| 658 | TANK 658 | VOC | 16.15 | |
| 659 | TANK 659 | VOC | 1.34 | |
| 701 | TANK 701 | VOC | 13.35 | |
| 702 | TANK 702 | VOC | 1.33 | |
| 703 | TANK 703 | VOC | 1.33 | |
| 704 | TANK 704 | VOC | 6.06 | |
| 705 | TANK 705 | VOC | 0.87 | |
| 706 | TANK 706 | VOC | 12.91 | |
| 801 | TANK 801 | VOC | 1.33 | |
| 802 | TANK 802 | VOC | 1.33 | |
| 803 | TANK 803 | VOC | 1.24 | |
| 804 | TANK 804 | VOC | 1.24 | |
| 805 | TANK 805 | VOC | 1.24 | |
| 806 | TANK 806 | VOC | 1.09 | |
| 807 | TANK 807 | VOC | 1.33 | |
| 808 | TANK 808 | VOC | 0.87 | |
| 1001 | TANK 1001 | VOC | 5.19 | |
| 1002 | TANK 1002 | VOC | 4.58 | |

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| Emission * Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|--------------------------------|--------------------|-----------------------------|----------------|-----|
| | | | lb/hr | TPY |
| 1003 | TANK 1003 | VOC | 1.25 | |
| 1004 | TANK 1004 | VOC | 1.25 | |
| 1005 | TANK 1005 | VOC | 1.25 | |
| 1006 | TANK 1006 | VOC | 1.15 | |
| 1007 | TANK 1007 | VOC | 1.48 | |
| 1008 | TANK 1008 | VOC | 1.37 | |
| 1009 | TANK 1009 | VOC | 1.48 | |
| 1010 | TANK 1010 | VOC | 7.62 | |
| 1011 | TANK 1011 | VOC | 1.48 | |
| 1012 | TANK 1012 | VOC | 1.13 | |
| 1013 | TANK 1013 | VOC | 1.49 | |
| 1014 | TANK 1014 | VOC | 1.48 | |
| 1015 | TANK 1015 | VOC | 1.49 | |
| 1016 | TANK 1016 | VOC | 1.38 | |
| 1017 | TANK 1017 | VOC | 1.13 | |
| 1018 | TANK 1018 | VOC | 1.48 | |
| 1019 | TANK 1019 | VOC | 1.38 | |

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AIR CONTAMINANTS DATA

| Emission * Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|--------------------------------|--------------------|-----------------------------|----------------|-----|
| | | | lb/hr | TPY |
| 1020 | TANK 1020 | VOC | 13.44 | |
| 1021 | TANK 1021 | VOC | 13.44 | |
| 1022 | TANK 1022 | VOC | 0.75 | |
| 1023 | TANK 1023 | VOC | 0.75 | |
| 1024 | TANK 1024 | VOC | 1.50 | |
| 1025 | TANK 1025 | VOC | 1.39 | |
| 1026 | TANK 1026 | VOC | 4.40 | |
| 1027 | TANK 1027 | VOC | 1.18 | |
| 1028 | TANK 1028 | VOC | 1.37 | |
| 1029 | TANK 1029 | VOC | 1.37 | |
| 1501 | TANK 1501 | VOC | 0.05 | |
| 1801 | TANK 1801 | VOC | 1.53 | |
| 1802 | TANK 1802 | VOC | 1.53 | |
| 1901 | TANK 1901 | VOC | 1.71 | |
| 2001 | TANK 2001 | VOC | 0.79 | |
| 2401 | TANK 2401 | VOC | 1.48 | |
| 2501 | TANK 2501 | VOC | 2.22 | |
| 2502 | TANK 2502 | VOC | 2.22 | |

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AIR CONTAMINANTS DATA

| Emission * Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates</u> | |
|--------------------------------|--------------------|-----------------------------|-----------------------|------------|
| | | | <u>lb/hr</u> | <u>TPY</u> |
| 3001 | TANK 3001 | VOC | 1.80 | |
| 3002 | TANK 3002 | VOC | 1.80 | |
| 3003 | TANK 3003 | VOC | 20.42 | |
| 3004 | TANK 3004 | VOC | 2.37 | |
| 3005 | TANK 3005 | VOC | 2.59 | |
| 3006 | TANK 3006 | VOC | 0.99 | |
| 3007 | TANK 3007 | VOC | 10.64 | |
| 4001 | TANK 4001 | VOC | 3.06 | |
| 4002 | TANK 4002 | VOC | 2.02 | |
| 4003 | TANK 4003 | VOC | 1.80 | |
| 4004 | TANK 4004 | VOC | 1.25 | |
| 5001 | TANK 5001 | VOC | 2.23 | |
| 5002 | TANK 5002 | VOC | 2.23 | |
| 5003 | TANK 5003 | VOC | 3.86 | |
| 5004 | TANK 5004 | VOC | 20.12 | |
| 5005 | TANK 5005 | VOC | 3.77 | |
| 5006 | TANK 5006 | VOC | 3.77 | |

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AIR CONTAMINANTS DATA

| Emission * Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|--------------------------------|-------------------------------------|-----------------------------|----------------|-------|
| | | | lb/hr | TPY |
| 5007 | TANK 5007 | VOC | 3.80 | |
| 5008 | TANK 5008 | VOC | 3.79 | |
| 5009 | TANK 5009 | VOC | 3.78 | |
| 5501 | TANK 5501 | VOC | 2.05 | |
| 5502 | TANK 5502 | VOC | 2.05 | |
| 6501 | TANK 6501 | VOC | 1.61 | |
| 11201 | TANK 11201 | VOC | 2.20 | |
| 11202 | TANK 11202 | VOC | 2.20 | |
| | ALL TANKS TOGETHER | VOC | | 72.5 |
| CTF LDG | CENTRAL TANK FARM LOADING | VOC | 27.70 | |
| ETF LDG | EAST TANK FARM LOADING | VOC | 27.70 | |
| STF LDG | SOUTH TANK FARM LOADING | VOC | 24.00 | |
| WTF LDG | WEST TANK FARM LOADING | VOC | 27.70 | |
| | ALL TANK FARMS LOADING FUGITIVES | VOC | | 31.00 |
| D 15 | DOCK 15 LOADING | VOC | 50.25 | |

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AIR CONTAMINANTS DATA

| Emission * Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|--------------------------------|-------------------------------|-----------------------------|----------------|-------|
| | | | lb/hr | TPY |
| D 16 | DOCK 16 LOADING | VOC | 50.25 | |
| D 19B | DOCK 19B LOADING | VOC | 50.25 | |
| | ALL DOCK LOADING FUGITIVES | VOC | | 15.00 |
| F 1 | FLARE 1 | VOC | 92.00 | 3.92 |
| | | CO | 13.90 | 0.54 |
| | | NO _x | 1.62 | 0.07 |
| F 2 | FLARE 2 | VOC | 92.00 | 3.92 |
| | | CO | 8.80 | 0.34 |
| | | NO _x | 1.71 | 0.07 |
| F 3 | FLARE 3 | VOC | 92.00 | 3.85 |
| | | CO | 13.90 | 0.53 |
| | | NO _x | 1.62 | 0.07 |
| B 1 | BOILER 1 | PM | 0.03 | 0.14 |
| | | SO ₂ | <0.01 | 0.02 |
| | | NO _x | 0.63 | 2.75 |
| | | CO | 0.13 | 0.16 |
| | | VOC | 0.04 | 0.16 |
| B 2 | BOILER 2 | PM | 0.07 | 0.28 |
| | | SO ₂ | <0.01 | 0.04 |
| | | NO _x | 1.26 | 5.50 |
| | | CO | 0.26 | 1.10 |
| | | VOC | 0.07 | 0.31 |
| B 3 | HOT OIL HEATER | PM | 0.02 | 0.05 |
| | | SO ₂ | <0.01 | <0.01 |
| | | NO _x | 0.21 | 0.92 |
| | | CO | 0.05 | 0.19 |

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| | | | | |
|-----|-----------------------------|-----------------|-------|--------|
| | | VOC | 0.02 | 0.06 |
| B 4 | CENTRAL TANK FARM BOILER | PM | 0.07 | 0.28 |
| | | SO ₂ | <0.01 | 0.04 |
| | | NO _x | 1.26 | 1.50 |
| | | CO | 0.26 | 1.10 |
| | | VOC | 0.07 | 0.31 |
| 30W | TANK 30W WASTEWATER | VOC | 0.12 | 0.17 |
| FUG | FUGITIVES (4) | VOC | 32.68 | 143.14 |

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

(3) PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter.

Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

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Dated _____