

Emission Sources - Maximum Allowable Emission Rates

Permit Number 104152

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, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|---|--------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| B52CT1 (5) | B-5200 Cooling Tower | VOC | 0.42 | - |
| | | Acetone | 0.42 | - |
| B52FU1 (5) | B-5200 Area Fugitives | VOC | 3.89 | - |
| | | Acetone | 5.86 | - |
| | | Refrigerant | 0.07 | - |
| B52CT1 and B52FU1 | Fugitive Emissions Source Group Cap (5) | VOC | - | 6.08 |
| | | Acetone | - | 9.97 |
| | | Refrigerant | - | 0.31 |
| B52CT1 | B-5200 Cooling Tower | PM | 0.26 | - |
| | | PM ₁₀ | 0.26 | - |
| B52V001 | Product Recycling and Reprocessing System | PM | 0.01 | - |
| | | PM ₁₀ | 0.01 | - |
| B52V600 | SER Hoppers and Conveying System | PM | 0.01 | - |
| | | PM ₁₀ | 0.01 | - |
| B52V601 | 25 kg Bagging Machine | PM | 0.01 | - |
| | | PM ₁₀ | 0.01 | - |
| B52V602 | Conveying to Bulk Bagging System | PM | 0.01 | - |
| | | PM ₁₀ | 0.01 | - |
| B52V605 | Bulk Bagging System | PM | 0.01 | - |
| | | PM ₁₀ | 0.01 | - |

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| | | | | |
|---|--|------------------|------|-------|
| B52CT1, B52V001, B52V600, B52V601, B52V602 and B52V605 | Particulate Matter Emissions Source Group Cap | PM | - | 0.64 |
| | | PM ₁₀ | - | 0.64 |
| B52DL1 | Drum and Dempster Loading | VOC | 7.76 | - |
| | | Acetone | 9.89 | - |
| B52LR1 | Tank Truck and Railcar Loading (Materials with VP < 0.5 psia) | VOC | 4.46 | - |
| B52LR2 | Tank Truck and Railcar Loading (Materials with VP ≥ 0.5 psia) | VOC | 4.63 | - |
| | | Acetone | 6.07 | - |
| B52DL1, B52LR1 and B52LR2 | Loading Emissions Source Group Cap | VOC | - | 6.94 |
| | | Acetone | - | 14.56 |
| B52CB2 | Adsorption Vent | VOC | 3.50 | 0.58 |
| | | Acetone | 3.82 | 1.63 |
| B52SV600 | SER Batch Process Vent | VOC | 0.17 | - |
| B52SV700 | EPG Process Vent | VOC | 0.51 | - |
| B52SV600 and B52SV700 | Absorption Emissions Source Group Cap | VOC | - | 0.78 |
| B52ST37 | Wastewater Tank | VOC | 0.06 | - |
| | | Acetone | 0.14 | - |
| B52ST38 | D-38 Wastewater Tank | VOC | 0.12 | - |
| | | Acetone | 0.26 | - |
| B52ST107 | Wastewater Tank | VOC | 0.05 | - |
| | | Acetone | 0.12 | - |
| B52ST356 | D-356 Storage Tank | VOC | 0.10 | - |
| B52ST357 | D-357 Storage Tank | VOC | 0.01 | - |
| B52ST358 | D-358 Storage Tank | VOC | 0.01 | - |

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| | | | | |
|---|---|------------------|-------|-------|
| B52ST503 | D-503 Storage Tank | VOC | 0.01 | - |
| B52ST610 | D-610 Storage Tank | VOC | 0.01 | - |
| B52ST711 | D-711 Storage Tank | VOC | 0.01 | - |
| B52ST718 | D-718 Storage Tank | VOC | 0.01 | - |
| B52ST745 | D-745 Storage Tank | VOC | 0.07 | - |
| B52V500 | Hi-Purity Process Vent | VOC | 0.01 | - |
| B52V703 | Hardener Process Vent | VOC | 0.41 | - |
| B52ST37, B52ST38, B52ST107, B52ST356 B52ST357, B52ST358 B52ST503, B52ST610 B52ST711, B52ST718 B52ST745, B52V500 and B52V703 | Storage Tank and Process Emissions Source Group Cap | VOC | - | 0.35 |
| | | Acetone | - | 0.12 |
| B52MSS1 | Maintenance, Startup and Shutdown Emissions | VOC | 2.76 | 2.84 |
| | | Acetone | 7.62 | 6.80 |
| Routine Emissions Compliance Cap | | VOC | 26.23 | 14.73 |
| | | Acetone | 26.59 | 22.24 |
| | | Refrigerant | 0.07 | 0.31 |
| | | PM | 0.31 | 0.64 |
| | | PM ₁₀ | 0.31 | 0.64 |

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- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- Refrigerant - Freon 22
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: July 3, 2013