**USS Clairton Works**
**Total Annual Benzene (TAB) - 2001**
**MTCE - EXCHANGERS LISTING**

| Waste Stream ID# | Mtce - Exchangers Waste Stream Description | Controlled Y/N | Water Content >10% Y/N | Waste Stream Type Code | Annual Waste Quantity (Gal) | Range of Benzene Concentration (ppm) | Annual Flow Weighted Avg. Benz. Conc.(ppm) | Annual BQ (Mg) | TAB Component Y/N |
|---|---|---|---|---|---|---|---|---|---|
| | **#1 CONTROL ROOM** | | | | | | | | |
| 1CR1 | E324 Stripper Cond. | N | Y | E | 780 | 8.16 - 14 | 9.9 | 2.9E-05 | Y |
| 1CR2 | E325 Stripper Cond. | N | Y | E | 780 | 8.16 - 14 | 9.9 | 2.898E-05 | Y |
| 1CR3 | E330 Lean Solution Cooler | N | Y | E | 96 | 0.23 - 5.0 | 1.8 | 6.485E-07 | Y |
| 1CR4 | E331 Lean Solution Cooler | N | Y | E | 96 | 0.23 - 5.0 | 1.8 | 6.485E-07 | Y |
| 1CR5 | E332 Fract. Overhead Cond. - S | N | Y | E | 1300 | 0 - 0.53 | 0.2 | 9.8E-07 | Y |
| 1CR6 | E333 Fract. Overhead Cond - N | N | Y | E | 1300 | 0 - 0.53 | 0.2 | 9.8E-07 | Y |
| 1CR7 | E334 NH3 Fract. Bottoms | N | Y | E | 160 | 0 - 0.53 | 0.2 | 1.201E-07 | Y |
| 1CR8 | E335 Fract. Bottoms | N | Y | A | 200 | 93 - 221 | 144.1 | 1.1E-04 | Y |
| 1CR9 | E335 Fract. Bottoms | N | Y | A | 160 | 0 - 0.53 | 0.2 | 1.2E-07 | Y |
| 1CR10 | E350 Fract. Feed Pre-Heater | N | Y | E | 60 | 0.23 - 5.0 | 1.8 | 4.053E-07 | Y |
| 1CR11 | E350 Fract. Feed Pre-Heater | N | Y | A | 110 | 0 - 0.53 | 0.2 | 8.3E-08 | Y |
| 1CR12 | E360 Solution Exchanger | N | Y | E | 310 | 8.16 - 14 | 9.9 | 1.152E-05 | Y |
| 1CR13 | E360 Solution Exchanger | N | Y | E | 290 | 0.23 - 5.0 | 1.8 | 1.959E-06 | Y |
| 1CR14 | HEPA01 NO-1 Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR15 | HEPA02 NO-2 Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR16 | HEPA03 NO-2 Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR17 | HEPA04 NO-2 Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR18 | HEPA05 NO-2 Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR19 | HEPA06 NO-2 Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR20 | HEPA07 NO-2 Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR21 | HEPA08 NO-2 Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR22 | HEPA09 NO-2 Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR23 | HEPA10 NO-2 Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR24 | HEPA11 NO-2 Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR25 | HEPA12 NO-2 Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR26 | E-2101 SS Reboiler | N | Y | A | 0 | 0.03 - 0.081 | 0.06 | 0 | Y |
| 1CR27 | HESS01 SS Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR28 | HESS02 SS Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR29 | HESS03 SS Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR30 | HESS04 SS Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR31 | HESS05 SS Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR32 | HESS06 SS Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR33 | HESS07 SS Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR34 | HESS08 SS Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR35 | HESS09 SS Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR36 | HESS10 SS Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR37 | HESS11 SS Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |



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**USS Clairton Works**
**Total Annual Benzene (TAB) - 2001**
**MTCE - EXCHANGERS LISTING**

| Waste Stream ID# | Mtce - Exchangers Waste Stream Description | Controlled Y/N | Water Content >10% Y/N | Waste Stream Type Code | Annual Waste Quantity (Gal) | Range of Benzene Concentration (ppm) | Annual Flow Weighted Avg. Benz. Conc.(ppm) | Annual BQ (Mg) | TAB Component Y/N |
|---|---|---|---|---|---|---|---|---|---|
| 1CR38 | HESS12 SS Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR39 | SHE206 FC Sprial | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR40 | SHE207 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR41 | SHE208 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR42 | SHE209 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR43 | SHE210 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR44 | SHE211 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR45 | SHE212 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR46 | SHE213 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR47 | SHE214 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR48 | SHE215 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR49 | SHE216 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR50 | SHE217 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR51 | SHE218 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR52 | SHE219 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR53 | SHE220 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR54 | SHE221 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR55 | SHE222 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR56 | SHE223 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR57 | SHE224 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR58 | SHE225 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR59 | SHE226 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR60 | SHE227 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR61 | SHE228 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR62 | SHE229 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR63 | SHE230 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR64 | SHE231 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR65 | SHE232 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR66 | SHE233 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR67 | SHE234 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR68 | SHE235 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR69 | SHE236 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR70 | SHE237 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR71 | SHE238 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR72 | SHE239 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR73 | SHE240 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR74 | SHE241 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR75 | SHE242 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |



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**USS Clairton Works**
**Total Annual Benzene (TAB) - 2001**
**MTCE - EXCHANGERS LISTING**

| Waste Stream ID# | Mtce - Exchangers Waste Stream Description | Controlled Y/N | Water Content >10% Y/N | Waste Stream Type Code | Annual Waste Quantity (Gal) | Range of Benzene Concentration (ppm) | Annual Flow Weighted Avg. Benz. Conc.(ppm) | Annual BQ (Mg) | TAB Component Y/N |
|---|---|---|---|---|---|---|---|---|---|
| 1CR76 | SHE243 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR77 | SHE244 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR78 | SHE245 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR79 | SHE246 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR80 | SHE247 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR81 | SHE248 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| 1CR82 | SHE249 FC Spiral | N | Y | A | 2500 | 93 - 221 | 144.1 | 0.001 | Y |
| | **#2 CONTROL ROOM** | | | | | | | | |
| 2CR1 | E424 Blowdown Vessel Heater | N | Y | A | 228 | 39 - 59.8 | 43.3 | 3.705E-05 | Y |
| 2CR2 | E627 Injection H2O Cooler | N | Y | A | 612 | 235 - 343 | 284 | 6.5E-04 | Y |
| 2CR3 | E628 Injection H2O Cooler | N | Y | A | 612 | 235 - 343 | 284 | 6.5E-04 | Y |
| | **#5 CONTROL ROOM** | | | | | | | | |
| 5CR12 | E101CA Carb. Reb. Heat Exch. | N | Y | E | 0 | 0.003 - 0.003 | 0.003 | 0 | Y |
| 5CR13 | E101CB Carb. Reb. Heat Exch. | N | Y | E | 0 | 0.003 - 0.003 | 0.003 | 0 | Y |
| 5CR14 | E102C1 Proc. H2O Cool HT Exc | N | Y | A | 0 | 7.4 - 9.8 | 8.3 | 0 | Y |
| 5CR15 | E102C2 Proc H2O Cool HT Exc | N | Y | A | 0 | 7.4 - 9.8 | 8.3 | 0 | Y |
| 5CR16 | E103CA Carb. Sol. Heat Exch. | N | Y | E | 0 | 9.32 - 11.13 | 10.2 | 0 | Y |
| 5CR17 | E103CB Carb. Sol. Heat Exch. | N | Y | E | 0 | 9.32 - 11.13 | 10.2 | 0 | Y |
| 5CR18 | E652A Solution Reboiler | N | Y | E | 0 | 0.003 - 0.003 | 0.003 | 0 | Y |
| 5CR19 | E652B Solution Reboiler | N | Y | E | 0 | 0.003 - 0.003 | 0.003 | 0 | Y |
| 5CR20 | E653 Lean Solution Cooler | N | Y | E | 0 | 0.003 - 0.003 | 0.003 | 0 | Y |
| 5CR21 | E654A Carb. Sol. Heat Exch. | N | Y | E | 0 | 9.32 - 11.13 | 10.2 | 0 | Y |
| 5CR22 | E654B Carb. Sol. Heat Exch. | N | Y | E | 0 | 9.32 - 11.13 | 10.2 | 0 | Y |
| 5CR23 | E655A Process Water Cooler | N | Y | A | 0 | 7.4 - 9.8 | 8.3 | 0 | Y |
| 5CR24 | E655B Process Water Cooler | N | Y | A | 910 | 7.4 - 9.8 | 8.3 | 2.8E-05 | Y |
| 5CR26 | E302C1 Quench Col. Cooler | N | Y | E | 0 | 0.04 - 0.13 | 0.1 | 0 | Y |
| 5CR27 | E302C2 Quench Col. Cooler | N | Y | E | 307 | 0.04 - 0.13 | 0.1 | 1.2E-07 | Y |
| 5CR28 | E303C1 Lean MDEA SolCooler | N | Y | E | 0 | <0.005 | <0.005 | 0 | Y |
| 5CR29 | E303C2 Lean MDEA SolCooler | N | Y | E | 0 | <0.005 | <0.005 | 0 | Y |
| 5CR30 | E304C1 MDEA L/R Sol Exch. | N | Y | E | 2394 | <0.005 | <0.005 | 0 | Y |
| 5CR31 | E304C2 MDEA L/R Sol Exch. | N | Y | E | 2394 | <0.005 | <0.005 | 0 | Y |
| 5CR32 | E304C3 MDEA L/R Sol Exch. | N | Y | E | 2394 | <0.005 | <0.005 | 0 | Y |
| 5CR33 | E305C 303-E Strip.Reboiler | N | Y | E | 0 | <0.005 | <0.005 | 0 | Y |
| | **CWTP #2 TANK FARM** | | | | | | | | |
| TKF-17 | E-1 Still Feed Heater | N | Y | A | 13866 | 8.6 - 61 | 34.8 | 0.002 | Y |
| | **#1 PRIMARY COOLERS** | | | | | | | | |
| 1P/C4 | 801E1A NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 1/PC5 | 801E1B NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |



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**USS Clairton Works**
**Total Annual Benzene (TAB) - 2001**
**MTCE - EXCHANGERS LISTING**

| Waste Stream ID# | Mtce - Exchangers Waste Stream Description | Controlled Y/N | Water Content >10% Y/N | Waste Stream Type Code | Annual Waste Quantity (Gal) | Range of Benzene Concentration (ppm) | Annual Flow Weighted Avg. Benz. Conc.(ppm) | Annual BQ (Mg) | TAB Component Y/N |
|---|---|---|---|---|---|---|---|---|---|
| 1P/C6 | 801E1C NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 1P/C7 | 802E1A NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 1P/C8 | 802E1B NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 1P/C9 | 802E1C NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 1P/C10 | 803E1A NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 1P/C11 | 803E1B NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 1P/C12 | 803E1C NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 1P/C13 | 801E2A NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C14 | 801E2B NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C15 | 801E2C NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C16 | 801E2D NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C17 | 801E2E NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C18 | 801E2F NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1/PC19 | 801E2G NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C20 | 801E2H NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1/PC21 | 802E2A NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C22 | 802E2B NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C23 | 802E2C NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C24 | 802E2D NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| P/C25 | 802E2E NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C26 | 802E2F NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C27 | 802E2G NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C28 | 802E2H NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C29 | 803E2A NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C30 | 803E2B NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C31 | 803E2C NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C32 | 803E2D NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C33 | 803E2E NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C34 | 803E2F NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C35 | 803E2G NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 1P/C36 | 803E2H NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| | **#2 PRIMARY COOLERS** | | | | | | | | |
| 2P/C-3 | 804E1A NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 2P/C-4 | 804E1B NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 2P/C-5 | 804E1C NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 2P/C-6 | 804E2A NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-7 | 804E2B NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-8 | 804E2C NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |



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**USS Clairton Works**
**Total Annual Benzene (TAB) - 2001**
**MTCE - EXCHANGERS LISTING**

| Waste Stream ID# | Mtce - Exchangers Waste Stream Description | Controlled Y/N | Water Content >10% Y/N | Waste Stream Type Code | Annual Waste Quantity (Gal) | Range of Benzene Concentration (ppm) | Annual Flow Weighted Avg. Benz. Conc.(ppm) | Annual BQ (Mg) | TAB Component Y/N |
|---|---|---|---|---|---|---|---|---|---|
| 2P/C-9 | 804E2D NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-10 | 804E2E NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-11 | 804E2F NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-12 | 804E2G NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-13 | 804E2H NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-24 | 805E1A NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 2P/C-25 | 805E1B NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 2P/C-26 | 805E1C NH3 Liq Plt.& Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 2P/C-27 | 805E2A NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-28 | 805E2B NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-29 | 805E2C NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-30 | 805E2D NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-31 | 805E2E NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-32 | 805E2F NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-33 | 805E2G NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-34 | 805E2H NH3 Liq Spiral Exc. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-61 | 806E1A NH3 Liq. Plt. & Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 2P/C-62 | 806E1B NH3 Liq. Plt. & Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 2P/C-63 | 806E1C NH3 Liq. Plt. & Frame | N | Y | A | 400 | 2.37 - 6.41 | 4.7 | 7.1E-06 | Y |
| 2P/C-64 | 806E2A NH3 Liq. Spiral Exch. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-65 | 806E2B NH3 Liq. Spiral Exch. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-66 | 806E2C NH3 Liq. Spiral Exch. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-67 | 806E2D NH3 Liq. Spiral Exch. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-68 | 806E2E NH3 Liq. Spiral Exch. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-69 | 806E2F NH3 Liq. Spiral Exch. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-70 | 806E2G NH3 Liq. Spiral Exch. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| 2P/C-71 | 806E2H NH3 Liq. Spiral Exch. | N | Y | A | 365 | 2.37 - 6.41 | 4.7 | 6.4E-06 | Y |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | **Subtotal Mtce Exchangers:** | | **9.6E-02** | |



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