| Facility | Type of ponds; type of waste | Characteristics | **Monitoring Parameters** **(Wk=measured weekly, reported quarterly; Qt= Quarterly; SA= Semi-annually; A= Annually)** |
|---|---|---|---|
| 1. **Area 23 Gate 100**<br>lat. 36° 38' 42.86426" N<br>long. 116° 00' 19.35953" W | Evaporation; sewage | max. design flow: 1,548 gal/day<br>max. loading: 2.43 kgs/day<br>average flow: 636 gal/day | Wk:Physical inspections (I.D.7), basin water depth (I.D.4) & lagoon depths (I.D.5); Qt: Influent quality $BOD_5$, TSS, & pH ( I.C.2), monthly influent flow, calc. (I.A.3), & calculated organic loading rates ( I.A.5);A: Influent toxicity analysis (I.C.3 for App I). |
| 2. **Area 23 Mercury**<br>lat. 36°39' 17.85620" N<br>long. 116° 00' 43.61707" W | Evaporation, infiltration & percolation in secondary lagoons; sewage | max. design flow: 65,999 gal/day<br>max. loading: 172 kgs/day<br>average flow: 60,091 gal/day | Wk: Physical inspections (I.D.7) & basin water depth (I.D.4); Qt: $BOD_5$, TSS, & pH (I.C.2), monthly influent flow, metered (I.A.3), & calc. organic loading rates (I.A.4); SA: Effluent sampling (I.C.4 for App. IIs), & monitoring well water analysis ( I.B.3 & I.C.5 for App. III); A: Influent toxicity analysis (I.C.3 for App. I). |
| 3. **Area 5 RWMS**<br>lat. 36° 50' 49.8949" N<br>long. 115° 57' 07.103 " W | Evaporation; sewage | max. design flow: 875 gal/day<br>max. loading: 0.955 kgs/day<br>average flow: 798 gal/day | Wk: Physical inspections (I.D.7) & basin water depth (I.D.4); Qt: influent quality $BOD_5$, TSS, & pH (I.C.2), monthly influent flow, metered (I.A.3), & calculated organic loading rates (I.A.4); A: Influent toxicity analysis (I.C.3 for App. I). |
| 4. **Area 6 DAF**<br>lat. 36° 53' 39.64485" N<br>long. 116° 2' 18.40174" W | Evaporation, infiltration; sewage | max. design flow: 3,080 gal/day<br>max. loading: 7.60 kgs/day<br>average flow: 1,872 gal/day | Wk: Physical inspections ( I.D.7), basin water depth ( I.D.4) & lagoon depths (I.D.5); Qt: $BOD_5$, TSS, & pH ( I.C.2), monthly influent flow, calculated ( I.A.3), & calculated organic loading rates ( I.A.5); A: Influent toxicity analysis ( I.C.3 for App. I). |
| 5. **Area 6 Yucca Lake**<br>lat. 36° 56' 28.86650" N<br>long. 116° 2' 18.12221" W | Evaporation; sewage | max. design flow: 8,943 gal/day<br>max. loading: 8.66 kgs/day<br>average flow: 4,996 gal/day | Wk: Physical inspections (I.D.7) & basin water depth ( I.D.4); Qt: influent quality $BOD_5$, TSS, & pH (I.C.2), monthly influent flow, metered (I.A.3), & calc. organic loading rates (I.A.4); A: Influent toxicity analysis (I.C.3 for App. I). |
| 6. **Area 6 LANL Tweezer Camp**<br>lat. 36° 58' 36.1003" N<br>long. 116° 1' 58.8113" W | Evaporation, infiltration; sewage | max. design flow: 5,070 gal/day<br>max. loading: 5.01 kgs/day<br>average flow: 1,285 gal/day | Wk: Physical inspections (I.D.7) & basin water depth ( I.D.4); Qt: influent quality $BOD_5$, TSS, & pH ( I.C.2), monthly influent flow, metered (I.A.3), & calc. organic loading rates (I.A.4); A: Influent toxicity analysis (I.C.3 for App. I). |
| 7. **Area 12 Camp**<br>lat. 37° 11' 58.81942" N<br>long. 116° 9' 3.15391" W | Evaporation, basins 4&5 infiltration; approved for sewage & drying portable toilet waste containing propylene glycol antifreeze. | max. design flow: 16,800 gal/day<br>max. loading: 54.2 kgs/day<br>average flow: 1,252 gal/day | Wk: Physical inspections (I.D.7) & basin water depth ( I.D.4); Q: influent quality $BOD_5$, TSS, & pH (I.C.2), monthly influent flow, metered (I.A.3), & calc. organic loading rates (I.A.4); A: Influent toxicity analysis (I.C.3 for App. I). |
| 8. **Area 25 Central Support Area**<br>lat. 36° 46' 32.13788" N<br>long. 116° 17' 44.53057" W | Evaporation, infiltration & percolation; 25 gal. cleaning chemicals/month allowed with sewage. | max. design flow: 7,989 gal/day<br>max. loading: 7.37 kgs/day<br>average flow: 5,036 gal/day | Wk: Physical inspections (I.D.7), basin water depth (I.D.4) & lagoon depths (I.D.5); Qt: influent quality $BOD_5$, TSS, & pH (I.C.2), monthly influent flow, calc., (I.A.3), & calc. organic loading rates (I.A.5); SA: Effluent sampling (I.C.4 for App. II);Waiver Qt: 1. list average population using facility/qt; 2. influent quantity ≤ 239,000 gal./mos. averaged over each calender quarter; 3. list estimates industrial cleaning chemicals vol. discharged to lagoons, ≤ 25 gal. per/mos. |
| 9. **Area 25 Reactor Control Point**<br>lat. 36° 47' 53.42899" N<br>long. 116° 16' 14.37693" W | Evaporation, infiltration & percolation; sewage. | max. design flow: 1,903 gal/day<br>max. loading: 2.41 kgs/day<br>average flow: 1,333 gal/day | Wk: Physical inspections (I.D.7), basin water depth ( I.D.4), & lagoon depths (I.D.5); Quarterly: influent quality $BOD_5$, TSS, & pH (I.C.2), monthly influent flow, calc. ( I.A.3), & calc. organic loading rates (I.A.5); Annual: Influent toxicity analysis (I.C.3 for App. I ). |
| 10. **Area 25 Engine Test St&**<br>lat. 36° 49' 40.47755" N<br>long. 116° 18' 42.95246" W | Evaporation, infiltration; **Inactive for flowing sewage**; approved only for drying portable toilet waste containing propylene glycol antifreeze. | **Allowable only if reactivated**<br>max. design flow: 1,428 gal/day<br>max. loading: 2.27 kgs/day<br>average flow: 0 gal/day | Wk: Physical inspections (I.D.7), basin water depth (I.D.4) & lagoon depths (I.D.5); Qt: influent quality $BOD_5$, TSS, & pH (I.C.2), monthly influent flow, calc. I.A.3), & calc. organic loading rates (I.A.5); A: Influent toxicity analysis (I.C.3 for App. I). |