



Picture 1: Umatac STP sign.



Picture 2: Pump Station 13 and pit where influent flow was being monitored.



Picture 3: Unused Parshall flume for measuring influent flow rate. A depth monitoring device is installed in the pipe discharging into the flume at the top of the photo.





Picture 4: Data logger storing depth measurements.



Picture 5: Umatac maintenance building.



Picture 6: Umatac STP control room building.





Picture 7: Overview of facultative lagoon looking from the inlet side to the discharge side.



Picture 8: View across facultative pond from discharge side towards inlet side.





Picture 9: Facultative pond effluent discharge v-notch weir.



Picture 10: Facultative pond discharge structure.





Picture 11: High level bypass pipe inlet for facultative pond.





Picture 12: Discharge end of high level bypass pipe.



Picture 13: By-pass retention basin.





Picture 14: Discharge pipe in by-pass retention basin.





Picture 15: Close up look of discharge pipes for by-pass retention basin.



Picture 16: Discharge from by-pass retention basin to culvert to river.





Picture 17: Inlet of culvert to river.





Picture 18: Discharge of culvert to river.



Picture 19: Discharge channel of culvert to river.





Picture20: Overview showing facultative pond, high level by-pass retention pond, in inlet side of culvert to river.





Picture 21: Pump Station 19 pumps effluent from the facultative lagoon to the recirculation pond.



Picture 22: Looking up hill to Land Application Site A. Channel at bottom is returning runoff from land application sites back to recirculation pond.



Picture 23: Looking down hill across Land Application Site A towards recirculation pond. Line in foreground is discharging water pumped from the recirculation pond by the pump station near upper left corner of photo.





Picture 24: Runoff collection channel that returns excess water to recirculation pond.



Picture 25: Looking down hill over Land Application Site B. This site was not being used during day of the inspection





Picture 26: Recirculation pond from the pump station to the land application sites.



Picture 27: Excess water from the land application sites discharging into the recirculation pond.





Picture 28: Recirculation pond overflow discharge to Tocguan River.



Picture 29: Capped line used to drain recirculation pond. Channel discharges to the Tocguan River. This location is downstream of the sample collection point.





Picture 30: Valved and capped pond drain line.