

OPERATING PROCEDURE WASTE ABATEMENT SYSTEM: OIL/WATER SEPARATOR CLEANING

APPLICATION

See attached diagram for overview.

SPECIAL INSTRUCTIONS

- Equipment required: Barricades, cones, tape, signs, 55-gallon drums, air vacuum with hoses, rags, plastic bags, rubber gloves, Tyvek suit, safety glasses, lock out tags and locks, double containment for drums, gas meter, **Confined Space Permit (if entering Sump #1 Pump)**.
- All cleaning and other maintenance actions are to be logged; the Sump #1 log is in the Facilities Maintenance Office.

WORK STEPS

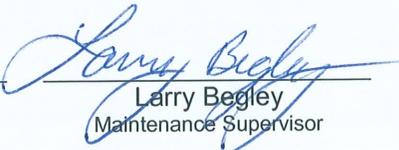
1. Schedule cleaning date and time with Motor Pool, Operations Dept., and EH&S (Industrial Hygiene).
2. Notify Bldg Mgr. and Waste Accumulation Area operator for Bldg 76.
3. Complete Confined Space Entry Permits and submit to EH&S (Industrial Hygiene). Review and follow confined space procedures as necessary.
4. Post proper signs and barricades. See *OPER-043: Barricade Use*.
5. Lock and tag out system equipment and control panels in Motor Pool and Operations washdown areas. See *OPER-045: Lockout/Tagout*.
6. If needed, get approved Confined Space Entry Permits back from EH&S. An EH&S industrial hygienist must check the confined spaces and approve the Confined Space Entry Permits, and the permits must be signed by two Operations Supervisors.
7. Lift and remove protective grating.
8. Disconnect and remove suction piping and cover plate.
9. Lift sump pump float assembly by hand and pump down sumps within two inches above pumps. Suction level.
10. Vacuum bottom of waste tank and sump with air vacuum. Use 55-gallon drums furnished by EH&S for residue. All drums must be double-contained. Waste Accumulation Area operator will advise on proper disposal of material.
11. Inspect condition of Sump #1. Complete SCT-2M ppm sheet.
12. Clean up all debris.
13. Replace suction piping, cover plate, and grating.
14. Remove barricades and signs.
15. Keep lock and tag on Motor Pool control panel.
16. Move cleaning equipment to Operations washdown area.
17. Remove protective cover plate.
18. Electrician remove electrical components from metal frame.
19. Unbolt and remove metal frame by lifting one side and tipping frame over. Two persons are required to lift and tip over frame. Do not attempt to move frame by yourself.
20. Remove baskets, line extensions, and pumps as in Step 9.

21. Vacuum Tank #2 as in Step 10. See note for Step 10.
22. Remove lid from oil/water separator and grease separator.
23. Vacuum oil/water separator and grease separator.
24. Dispose of oil accumulator filter properly. See note for Step 10.
25. Wipe out oil/water separator and grease separator with clean rags and dispose of properly.
26. Install new oil accumulator filter over separator shield in grease separator. Filters are located in mezzanine, PMT area. See supervisor.
27. Replace covers on oil/water separator and grease separator.
28. Vacuum oil collector tank.
29. Sump #2 presently retired in place.
30. Clean up all debris.
31. Install baskets, line extensions, and pumps.
32. Install cover on sump. Replace plugs to oily wastewater influent drain holes.
33. Replace protective cover plate.
34. Remove locks and tags from Operations washdown area and Motor Pool control panels and equipment.
35. Notify WAA operator and Operations Day Shift Supervisor of completion of work.

CONDITION CODE: COMMENT:

- 10 - No defects found
- 11 - Minor repair required
- 12 - Major repair required
- 13 - Replacement required

RESPONSIBILITIES AND CONTROLS

| Rev. No. | REV/Title | Approved/Title | Date | Effective Date |
|----------|---|---|---------|----------------|
| 1 |  Larry Begley Maintenance Supervisor |  Ken Fletcher Operations Department Head | 6/11/09 | 6/11/09 |