OPERATIONS PROCEDURE
WASTE ABATEMENT SYSTEM:
OIL/WATER SEPARATOR OPERATION

APPLICATION
See attached diagram for overview.
SPECIAL INSTRUCTIONS

- Applies to motor pool technicians, M&O maintenance technicians, and electricians who operate or perform maintenance on this equipment, and who have received field training in the performance of this procedure.
- All operational and maintenance actions are to be logged.

WORK STEPS A - Daily Maintenance Inspection

1. Before operating system, operator must be familiar with the contents of this procedure, including what the system's warning signals mean, and what to do if they go on.
2. Verify that the green light at the top of the Waste Abatement control panel is on, indicating that the system has power and is in a ready state. System is generally left on all of the time. If system is not on, turn ON (right side of control panel; see attached diagram.)
3. Verify that the system's other sump is not in use before creating inflow to the sump you plan to use. The two lights on the control panel indicate when a sump is in use (See attached diagram).
    - Green light indicates that Sump # 1 (Motor Pool) is in use.
    - Amber light indicates that Sump # 2 (M&O Shop) is in use. (Presently #2 Sump Retired in Place)
4. If one sump is currently in use, do not use the other.
5. Sump operation is automatic. The pumps will come on automatically at the set level.
6. Enter any notes on system operation in log book. The volume meter readings should be entered in the log book each morning. The Sump # 1 log is kept in the Operations Maint office. After logging the meter reading, calculate the number of gallons per day and enter it in the log (see attached logs). Each sump has its own volume meter, under a blue plastic cap, located on the pipe leading to the oil/water separator. The Sump # 1 meter is along the wall below the Operations Washdown Area; the Sump # 2 meter is along the wall between the sump and the oil/water separator.

WORK STEPS B - If High Level Alarm Sounds at Sump # 1

1. Immediately halt the inflow to the sump if the alarm sounds. It will sound if the sump level gets too high and the sump is close to overflowing. (Maximum flow is 10 gallons/minute.)
2. Silence the alarm: push "alarm reset" button on control panel.
3. Wait for the sump to clear itself automatically. The red light will remain lit until the sump level clears.
4. When the red light goes off, resume normal operation. If the sump does not clear itself automatically, contact Operations technicians at x5481.

WORK STEPS C - If High Level Alarm Sounds at Sump # 2

1. Immediately halt the inflow to the sump if the alarm sounds. It will sound if the sump level gets too high and the sump is close to overflowing. (Maximum flow is 10 gallons/ minute.)
2. When rain begins, enter the system's meter reading in the sump # 2 log. Also enter meter reading in log when rain stops.

3. Silence the alarm: turn switch off, open control panel, and reset horn circuit manually. Close panel, turn switch back on.
4. Wait for the sump to clear itself automatically. The red light will remain lit until the sump level clears.
5. When the red light goes off, resume normal operation. If the sump does not clear itself automatically, contact Operations technicians at x5481.

WORK STEPS D - If Over-Temp Light Goes On

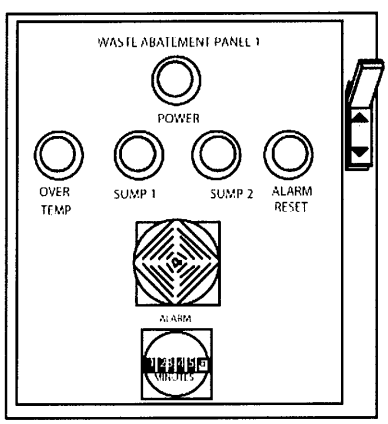
1. Immediately halt the flow into the sump if this warning light goes on. This light indicates that the wastewater is too warm to be discharged to the sewer.
2. Wait for the over-temperature light to go off.
3. Resume normal operation after over-temperature light goes off. If it doesn't go off automatically, call Operations technicians at x5481.

WORK STEPS E - Washdown Equipment at M&O

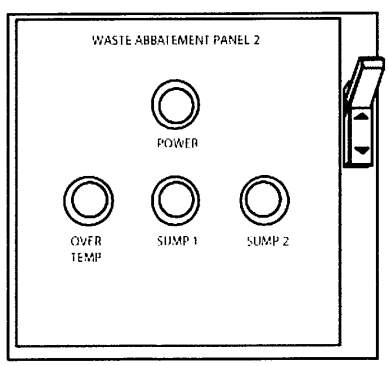
1. Remove plugs to oil wastewater influent drain holes.
2. Washdown equipment.
3. Replace plugs.

WORK STEPS F - System Problems

1. Call Operations technicians at x5481 if there are any problems with system's operations.



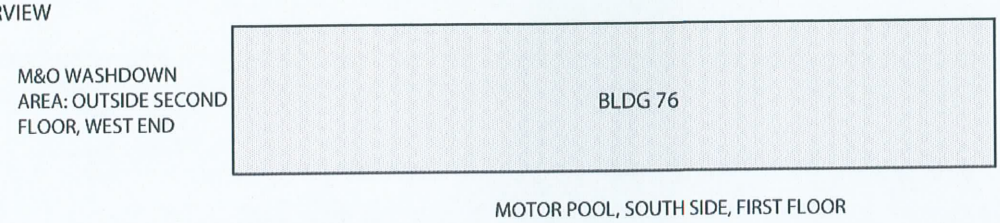
MOTOR POOL (SUMP # 1) CONTROL PANEL



M&O WASHDOWN AREA (SUMP #2) CONTROL PANEL

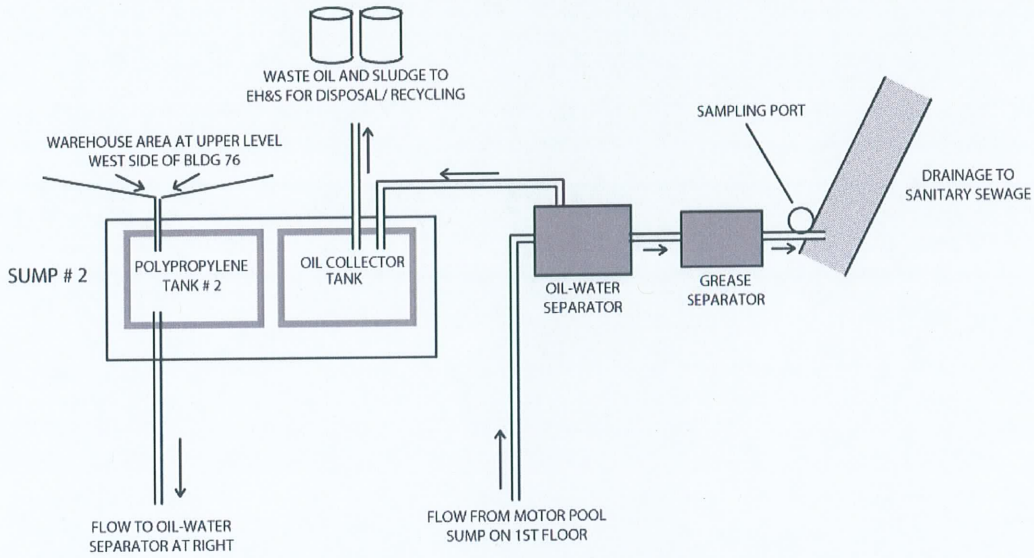
SUMP CONTROL PANELS

OVERVIEW

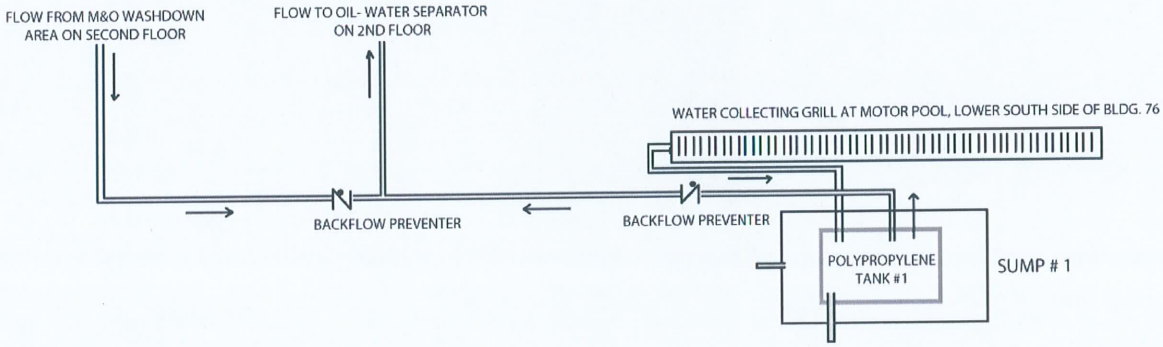


BLDG 76 WASTE ABATEMENTSYSTEM DIAGRAM

M& O WASDOWN AREA - OUTSIDE WEST END OF BLDG. 76, SECOND FLOOR



MOTOR POOL - OUTSIDE SOUTHSIDE OF BLDG 76; FIRST FLOOR



RESPONSIBILITIES AND CONTROLS

Rev. No.	SME/Title	REV/Title	Approved/Title	Date	Effective Date
1	Michael Botello Plant Maint Tech Lead	Larry Begley Maintenance Supervisor	Ken Fletcher Operations Department Head	6/11/09	6/11/09