DEC 29, 1975

Tank Cleaning for 1238 Storage

MCS 1238 will be produced in some equipment now being used to produce Aroclor 1242. It is very important that all the PCB's are removed from the lines, vessels, and associated equipment. #17 storage (20 M GAL.) is presently used to store Aroclor 1242, this storage tank will be used to store MCS 1238.

This memo is to provide an outline to be used in cleaning #17 storage tank to reduce the PCB level to < 5 PPM.

1. Remove #17 storage from 1242 service.
2. Blow all connecting lines back into the storage tank.
3. transfer #17 storage contents into #16 storage tank.
4. Blow the transfer line and filters into #16 storage.
5. Let the circulating line drain back into #17 storage.
6. Blank the receiving line, and transfer line, and renew gaskets
7. Remove the pump power unit and wipe out the impeller housing.
8. Open the top and bottom manways and pump out the bottom of the tank, using the portable pump.
9. Use attapulgus Clay to absorb any PCB's left in the bottom of the tank. (Operator will wear a fresh air mask and proper protective clothing while inside the tank).
10. Close the bottom manway, and fill the tank with hot water to the top of the straight sides.
11. Circulate the water in the tank while it is heating.
12. Steam sparge the vapor space with live steam.
13. Sample the water inside the tank and have it analyzed for PCB content (P.P.M.).
14. If the PCB content is ≥ 5PPM, drain the tank empty through the pump (settling basin, north) and refill the tank with water, and repeat steps 11, 12 and 13.
15. When the PCB content is < 5PPM, drain the tank empty and dry it.

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Alternates

1. Use a Soda Ash solution if necessary. (Similiar to the practice used by the repair track).
2. Replace all gaskets and flush gasket surfaces (on flanges).

ALSO may need to:

1. Clean the N_2 line.
2. Clean the conservation vent.
3. Clean the thermocouple nozzle.

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