



DOW CHEMICAL U.S.A.

REV
8/8

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ENVIRONMENTAL ACCOMPLISHMENTS FOR 1982 AND OBJECTIVES FOR 1983 - VINYL 1

Accomplishments in 1982 to reduce personnel exposures were:

1. Vent Condenser Recovery on T-26A&B, T-11, T-300-301, and T9 and 10.
2. Modified padding of T-14 and T-8 to reduce turbulence in vapor space.
3. Redesign of pump seals on EDC and Beta-Tri pumps to reduce seal leaks.
4. Installed new CL2 probes on VS-100, VS-200 which help detect free CL2 levels in vent stacks.
5. Burning of organic waste (V-14 material) in B-200 to help eliminate the problem of tote bins full of organics waiting to be pumped to solvents.
6. Replaced K-15 Suction Relief Valve with rupture disc and Safety Valve.

Primary objective for 1983 is continued reduction of exposure to Vinyl and EDC. To do this we must:

1. Continue personnel and area sampling to track problems.
2. Put more emphasis on exposure to EDC and Beta-Tri on equipment opening, Exchangers, Reboilers, etc.
3. Install tank in ^{line} ~~line~~ between C6A&B and C8C to help prevent safety valve release.
4. Install Vent condenser on t-8 and T-14, and T-6.
5. Install O2 and CO analyzers on B-100 and B-200 for more efficient combustion of organics.
6. Install safety valves on R1E and R1D.

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Accomplishments in 1982 to reduce noise levels were:

1. Blower guardson BL100 and BL200.
2. Replaced T-11 Control Valve with Rotary Valve.
3. Replaced D-7A Suction pressure C/V with a flow-wing Rotary Valve.

Secondary objectives for 1983 is to continue to reduce noise levels, and education of our people of effects of noise and prevention of over exposure.

Marvin M. Cox
Vinyl 1 Plant