PLAINTIFF'S EXHIBIT
UC-1840

RECOVERY DEPARTMENT

PERMANENT NOTE NO. 152-05-15

MANUAL ACID SYSTEMS

TITLE ACCESS TO 4th-5th LEVELS- 539

PROBLEM:

To protect personnel from the possibility of encountering high heat levels and toxic gases, access to the 4th and 5th levels of Building 539 must be restricted and controlled.

Heated air from the fin fan condensers in the area can create temperatures on these levels of as high as 140°F (60°C). Temperatures in the range can cause heat fatigue and make metal surfaces uncomfortable to touch.

Toxic gases may be present on these levels in the vent gases coming from the vent header for the process equipment. Toluene, formic, and benzene vapor(s) have been found to be normal components in this stream.

PROCEDURES:

Access to the 4th and 5th levels of Building 539 will be subject to the following regulations:

A. Anyone wishing to have access to either of these levels for any reason will obtain a properly executed White Work Permit from the Recovery Operating Group in the Building 522 control room before attempting to enter either level.

B. Attached to the White Work Permit will be a copy of the following guidelines:

1. Temperature greater than 140°F (60°C)
   -No access allowed.

2. Temperatures between 110°F (43°C) and 140°F (60°C)
   -Hole watch is required on 3rd level.
   -Work is allowed for 15 minutes at a time only.
   - Workers must return to a cool spot for a rest period before returning to the high heat area.

3. Temperature less than 110°F (43°C)
   -No time limit on work
   -No hole watch required
   -Operator to recheck temperature for each entry

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4. Before issuing a permit for access to these levels, the Operating Department representative will determine the following weather information:

   (a) Wind direction and approximate speed

   (b) Ambient temperature

5. If the wind is blowing so as to carry gases from the vent to restrict access or egress in any way or gases are present at work sight, access will be denied, unless, additional precautions are defined and compiled with on a properly exectued H.W.P.

6. If the temperature is below 70°F and winds are calm (5 M.P.H. or less), access will be denied, unless, additional precautions are defined and complied with on a properly executed H.W.P.

7. A member of the Operating Department will ascertain that anyone applying for and being issued a permit for access to either of these levels understands the hazards that could be encountered, understands the conditions of the permit, and is instructed to leave the area at once, should conditions change.

8. If conditions change and force personnel to vacate these levels, access must not be attempted again until a member of the Operating Group has checked conditions and approved re-entry.

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Union Carbide trial exhibit UC-1840: Recovery Department Permanent Note 152-05-15: Access to 4th and 5th Level... Published by AsbestosClaims.Law
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