

Henry Plant
Hazardous Operations

I. POLY BUILDING 731

- A. Any operation in which VCl lines or vessels containing VCl are opened. Opening or closing rising stem valves which control the flow of liquid VCl.

Examples:

<u>Operation</u>	<u>People Involved</u>	<u>Type of Potential Exposure</u>
1. Replace VCl filters	2nd class HRC operator, (Others may also do this job)	Liquid, vapor
2. Replace 3-way valve on charging line	Valve Cleaner	Vapor
3. Replace Lo Sope Recovery valve	Valve Cleaner	Vapor
4. Drain water from recycle VCl tanks	2nd class operator, Recovery operator	Liquid, vapor
5. Work on recovery compressors with exposure to seal water	Recovery operator, Maintenance people	Vapor
6. Opening or closing the rising stem valves when charging VCl to the poly. (Packing may leak)	Charge operator	Vapor
7. Sample recycle VCl from recycle VCl tank.	Laboratory Operator	Liquid, vapor

- B. All open poly operations on the third floor.

Examples:

1. Put HRC into a poly	2nd class HRC operator, Helper	Vapor
2. Take HRC out of poly	2nd class HRC operator, Helper	Vapor
3. Replace inspection port gasket	Helper	Vapor

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<u>Operation</u>	<u>People Involved</u>	<u>Type of Potential Exposure</u>
4. Remove chunks from poly	Helper	Vapor
5. Clean poly manhead	Helper	Vapor
6. Apply Code 10-A to poly	Helper	Vapor
7. Take a sample of slurry from a poly	Charge operator	Vapor
8. Rinse poly	Helper	Vapor
9. Dump catalyst into a poly	Charge operator	Vapor
10. Clean set up poly	This job is done on an overtime basis by volunteers	Vapor, PVC residue
11. Clean poly under routine circumstances	Helper	Vapor
12. Clean separators	2nd class HRC operator (others may also do this job)	Vapor, PVC residue
C. All operations where slurry is transferred through a non-closed system. Breaking lines or opening vessels which contain or have contained slurry. Most of these operations are performed on the first or second floor of the Poly Building.		

Examples:

1. Clean slurry	Lo Sope operator, Dryer operator, Recovery operator	Vapor
2. Clean Blend Tank	Helper	Vapor, PVC residue
3. Take sample of slurry	Recovery operator	Vapor
4. Dropping Paste and Lo Sope charges to the blend tank	2nd class HRC operator, Helper	Vapor
5. Replacing seed line valves	Valve cleaner	Vapor

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<u>Operation</u>	<u>People Involved</u>	<u>Type of Potential Exposure</u>
6. Replacing blowdown tank valves	Valve cleaner	Vapor
7. Gauging blend tank levels	2nd class HRC operator, Dryer operator, Recovery operator	Vapor

II. VCL TANK FARM

A. Any operation which involves coupling or uncoupling transfer lines. Operations which involve breaking seals and sealing of vessels containing VCl.

Examples:

1. Coupling transfer line to VCl car	Tank farm operator	Vapor
2. Uncoupling of transfer line to VCl car	Tank farm operator	Vapor
3. Open VCl car dome	Tank farm operator	Vapor
4. Release pressure from transfer line after the car is pumped out	Tank farm operator	Vapor
5. Check VCl level of sphere	Tank farm operator	Liquid, vapor
6. Clean strainer	Tank farm operator	Liquid, vapor

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