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JCI 8/5/04

Scott Donahue
Brandi ~~Scott~~ Mgr.

Facility / 1970's
Cl_2 Repackaging
NaOCl 1MG/Month

NH_3 phased out 2-3 years ago.

SO_2 / Storage
No repackaging

Primarily held
Corp HQ.

Personal escape masks
– Monitoring
2.5 ppm
10 ppm

8/5/04

NaOCl
Mini Bleach
~ 12.5%

SO_2 added to the
RMP 2004

Rec. ~ 40K lbs per truck
$Cl_2 + SO_2 \cong 3{,}400$

Cl_2 Unloading area

Whip hose failure
in MO.

3 shifts / Sunday - Friday
Police presence on weekends -
informal

Nexen Cl_2 source CAN

-40 dew point air / Packing

Passive Monitors 8/5/04

* 1 ppm - Warning

2.5 ppm - Shutdown
auto
Manual restart

All areas have separate
control systems

3 low fills
2 150's

* Sensors
1 - Warehouse
1 - Bleach area
2 - Tank car - unloading
" " unloading

Fill station
1 liq Cl_2
2 Blow line
3 Vac.

Salvage Cylinder

8/5/04

Power outage
- everything fails closed / Auto
- Manual restart only.

Schedule 80 seamless 3000 PSI forged steel fittings

Leased storage for chemicals to Northstar Chemical.
- inventoried on JCI list.

- Hazard Assessment
* JCI Corp. ran the ARS matrix for all facilities.
* Info was passed to Levine Fricke for incorporation into the OCA for all facilities.
LF

~~8/4/04~~

Haz. Assess. (Cont'd) 8/5/04

ARS

LF defined Rural/Urban based on pop. est. + topography.

Requested copies of the LF report on OCA with all but the Tacoma data redacted.

A copy of the PHA for the Tacoma facility

A copy of the Tacoma facility's spread sheet which was sent to LF.

Copies of the last two compliance audits.

8/5/04

Plus/ Cooperative / Knowledgeable

Documentation
- Prepared for us + easily accessable

Safety systems adequate

PPE available

Process design of fill stations good.
Leak detection (NH_3 H_2O)

8/5/04

Misses

Didn't update the RMP when NH_3 was removed + SO_2 was added.

Training records

Warehouse leak detection system
- Adjacent to 150 fill, considerable distance for the ton fill line.

Pipe labeling / Rust
Main warehouse
(OCl^- plant good)