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Date: Sept 16, 1997

To: Bill Wertz
Phone: (518) 457-9253
Fax: (518) 457-9240

From: Steve Spitzer
Law Engineering and Environmental Services, Inc.
@Olin Chemical Facility
Niagara Falls, NY
Phone: (716) 285-4703
Fax: (716) 284-7291

The total number of pages, including this cover page is: 4

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Bill:

Here is the latest bi-weekly status report for the Olin-Niagara site issued to Stan Radon of NYSDEC-Buffalo.

– Steve

Olin CHEMICALS
2400 Buffalo Ave, Niagara Falls, N.Y. 14303
(716) 278-6411 FAX (716) 278-6459

September 16, 1997

Mr. Stanley F. Radon
Senior Engineering Geologist
Division of Solid and Hazardous Materials - Region 9
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203-2999

Subject: **Status Report of Ground-Water Collection and Treatment System and Storm Water Management**
Olin Chemicals Facility, Niagara Falls, NY

Dear Mr. Radon:

The following is a summary of the activities performed from the period of September 2 through September 12, 1997. This status report covers the eighth and ninth weeks of construction activities for the project.

TASKS COMPLETED OR IN PROGRESS

Building 73 Preparation:

- Two additional portions of the concrete secondary containment curb were installed; by the inlet piping and the discharge piping. One portion remains to be installed to allow access for installation of equipment

Storm-Water Main Installation:

- The following catch basins were installed: STM-15, STM-22, STM-30, STM-31, and STM-32. Catch basins STM-30, STM-31, and STM-32 were not included in the original stormwater design and are located in areas of the plant that required drainage improvements.
- Trenches were excavated, bedding material was added, HDPE pipe was installed, tie-ins to existing catch basins were made, and the trenches were backfilled and compacted for each of the catch basins mentioned above.
- Trench drains and 4-inch PVC piping were installed around Building 1. The roof drains were tied into the 4-inch PVC piping and cleanouts were installed.
- In order to achieve desired grate elevations, the tops of several existing catch basins were raised and new frames and grates were installed. This work is still in progress.
- The treatment system discharge piping (8-inch HDPE) was installed, and tied into the sewer line on the south of Bldg. 73.

Force Main:

- Installed HDPE flanges on each of the 1-1/2 inch force main lines inside the building.
- Conducted pressure testing of the 1-1/2 inch HDPE containment pipes using water at 130 psi for 30 minutes each. All nine pipes passed.

Potable Water Line:

- Prior to pouring the foundation for the Hot Box assembly, a drainage pipe was installed and tied into the sewer main.
- The excavation around the City water main was filled with bedding stone, and the concrete foundation for the Hot Box assembly was poured.

Site Grading:

- Areas were prepared for paving by excavating to design grades, sawcutting edges of the existing asphalt, sweeping existing concrete areas, and proof-rolling "roll-and-crush" gravel.
- In the area south of Bldg. 73, a pulvarizer attachment for a backhoe was used to break excavated concrete and asphalt to sizes suitable for backfilling. The smaller pieces were then combined with excavated soils and spread across the area with a dozer.

Site Paving:

- Installed both binder layer and top layer of asphalt to the area between buildings 36 and 66, the area south of the railroad tracks by Building 1, and a portion south of Building 74.
- Additional paving is in progress.

Mechanical:

- Pitless adapters were installed on nine of the pumping wells (all except PR-1).
- The pH Adjustment tanks were set in place, and anchored to the existing concrete foundations.
- Relocated the existing stairs to the upper level of Bldg 73 and welded them in place along with new guardrails.
- Installed the structural steel required to support the air stripper discharge stack.
- Installed new steel grating in the opening in the platform above the air stripper location.
- Installed 6-inch CPVC piping from clarifier tank to first stage pH adjustment tank; and from the first stage to the second stage pH adjustment tank.
- Begun welding and steel work for the inside of the clarifier tank.
- Made the electrofusion welds for each of the nine leak detection assemblies. Installation of these assemblies at each well is in progress.

Electrical:

- Begun exterior electrical work including the removal of inactive wiring and replacement of damaged cable trays.
- Begun installation of conduit inside Bldg. 73.

DESIGN CHANGES AND RATIONALE

- Three catch basins (STM-30, STM-31, and STM-32) were installed that were not included in the original stormwater design. They are located in areas of the plant that required drainage improvements.

PROBLEMS ENCOUNTERED

- There have been no significant problems encountered with the project.

If you have any questions regarding the project, please contact me on-site at (716)285-4703.

Sincerely,

Stephen K. Spitzer
Resident Engineer

cc: Bill Wertz
Jim Frye
Mike Bellotti
Vickie Ray
Jim Reed
Rick Marotte