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To	From
DALE CARPENTER	Wm WERTZ
Co.	Co. NYSDEC
Dept. EPA R-2	Phone #
Fax #	Fax #

Date: September 2, 1997

To: Bill Wertz - DEC Albany

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

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Mr Wertz:

Here is the latest status report for the Olin-Niagara Falls site.

- Steve

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

September 2, 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 August 18 through August 29, 1997. This status report covers the sixth and seventh weeks of construction activities for the project.

TASKS COMPLETED OR IN PROGRESS

Building 73 Preparation:

- All painting of the interior and exterior have been completed. The painters will return after equipment installation is complete for touch-up work.
- The installation of the concrete secondary containment curb is mostly complete. Three portions were not installed to allow access for installation of equipment, for inlet piping, and for discharge piping.
- Installation of the Tufco floor coating is complete. The coating was applied to the tank pads and to various areas that required patching.

Storm-Water Main Installation:

- The following catch basins were installed: STM-8, STM-9, STM-13A, and STM-25.
- 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.
- 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.

Well and Piezometer Installation:

- Piezometer nests PN-6, PN-7, and PN-8 were installed.
- Development and performance testing of wells PR-1, PR-3, PR-4, PR-5, RW-1, RW-3, RW-4, and RW-5 was completed.

Force Main Installation:

- The trench for the force main was excavated from RW-3 down to RW-5.
- Bedding material was added to the trench and 4-inch HDPE containment pipes were installed from Building 73 up to each recovery well (except PR-1).
- The nine containment pipes were aligned inside the building in sequential order and clamped to steel beams that were attached to the building masonry.
- Conducted pressure testing of the 4-inch HDPE containment pipes using water at 90 psi for 30 minutes each. All nine pipes passed.
- Pushed the 1-1/2 inch force main piping through the containment pipes for each of the nine wells.

Potable Water Line:

- Installed 2-inch copper tubing into trench with sand bedding. Compression fittings were used every 40 feet.
- The 2-inch copper line was tied into the City water main at the future location of the backflow preventer, water meter, and Hot Box assembly.
- The copper line was satisfactorily pressure tested for two hours with water at 135 psi.

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.

Site Paving:

- Installed both binder layer and top layer of asphalt to the area adjacent to parking lot to the area north of the switchgear building (#36), the area around the truck scale, the area around the G&H gate, and a strip to the south of Building 74.
- Additional paving is in progress.

DESIGN CHANGES AND RATIONALE

- The structural steel for the air stripper stack support has been modified based on information from the manufacturer. Additional steel is required to accommodate the wind loading on the stack.

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