Autumnwood ESH Consultants, LLC
6539 Autumnwood Court
Mount Pleasant, Wisconsin 53403
Phone: 262.237.1130

4 August 2014

Mr. John Nordine
U.S. EPA Region 5
RCRA Enforcement and Compliance Assurance Branch (LU-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Monthly Progress Report for July 2014

Dear Mr. Nordine:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of Julye 2014.

The eDMR for the groundwater pump and treat facility and the laboratory analytical report, which includes the effluent data used in the eDMR for July 2014 is also attached to this report.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (262) 237-1130.

Sincerely,
Autumnwood ESH Consultants, LLC

John W. Thorsen

John W. Thorsen, P.E.

JWT:jt

encl

cc:	Joyce Munie	IEPA
	Robert Kay	USGS
	Thomas Hanewald	Central Wire
	Gerald W. Ruopp	Central Wire
	Henry Lopes	Central Wire
	Robert Johnson	Central Wire

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
July 2014

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction and treatment system. Central Wire treated an average of 540,000 gallons per day with a maximum daily flow of 544,000 gallons per day and met effluent limitations for pH, 1,1,1-Trichloroethane (TCA), Trichloroethene (TCE) and Tetrachloroethene (PCE). The electronic Discharge Monitoring Report (eDMR) for July 2014 is attached to this report.

   The laboratory analytical report noted that the samples arrived at the lab on July 10, 2014 at 2.1°.

   The Ex. 6 Personal Privacy (PP) wells were run for a total of 274 hours from June 30, 2014 to August 6, with Ex. 6 Personal Privacy (PP) well pumped for 191 hours and t Ex. 6 Personal Privacy (PP) wells pumped for 83 hours.

Summary of 2014 Irrigation Hours at Ex. 6 Personal Privacy (PP) June 30 to August 5, ,2014

Date of Hour Meter Reading	Ex. 6 Personal Privacy (PP)			
	Hour Meter Reading	Hours Pumped	Hour Meter Reading	Hours Pumped
6/30/2014	5200	0	3055	0
7/7/2014	5200		3055	0
7/17/2014	5209	9	3060	5
7/21/2014	5227	18	3076	16
7/28/2014	5319	92	3112	36
8/6/2014	5391	72	3138	26
Totals		191		83

   The groundwater level monitoring data from downgradient monitoring well DGW-2I continues to be collected. The table of recorded groundwater levels between June 30 and August 5, 2014 in monitoring well DGW-2I is attached to this report. Water levels ranged from a low on July 4, 2014 of 813.658 feet above mean sea level to the high on July 27, 2014 of 815.428 feet, a range of 1.77 feet. The graphs showing the variation in water elevations over time vs. precipitation and vs. hours of irrigation wells pumped per week is embedded in this table.

2. **Summary of Validated Data and Results** – The monthly effluent sampling took place on July 9, 2014. The temperature of the cooler at receipt was 2.1° C.

   The permit limitations and analytical results are shown below.

Central Wire Union Illinois Pump & Treat Discharge Analytical Results

Parameter	Effluent Limitation (Daily Maximum, ug/L)	June 2014 Analytical Results, ug/L
1,1,1-Trichloroethane	20	0.90 J
Trichloroethene	20	1.2
Tetrachloroethene	20	0.95 J

J = Result was less than the reporting limit but greater than or equal to the method detection limit.

The July analytical report is attached to this Monthly Progress Report.

Upcoming Events/Activities Planned – The existing remediation systems will continue to operate as planned.

Central Wire is planning to flush the force main and clean up the wells and pumps this year to enhance/improve/increase the flow to the groundwater treatment facility.. Central Wire has received a proposal to do this work from Water Well Solutions of Oconomowoc, WI and is seeking internal approval from their corporate offices.

EPA has requested that Central Wire again determine the location of the leading edge of the chlorinated groundwater plume. This will be done in October 2014. EPA has also requested that Central Wire coordinate the fall semiannual sampling event at the same time as conducting the geoprobe sampling to locate the leading edge of the chlorinated plume.

3. **Anticipated Problem Areas and Recommended Solutions** – None.

4. **Key Personnel Changes** – None.

5. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.