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

5 April 2016

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 RCRA CMI Monthly Progress Report for March 2016

Dear Mr. Nordine:

Enclosed please find the RCRA CMI Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of March 2016.

The electronic Discharge Monitoring Report (eDMR) for the groundwater pump and treat facility and the laboratory analytical report, which includes the effluent data used in the eDMR, are also attached to this report.

If you have any comments or questions regarding the progress of this project, please contact 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
	Gerald W. Ruopp	Central Wire
	Robert Johnson	Central Wire

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
March 2016

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 637,000 gallons per day with a maximum daily flow of 640,000 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 March 2016 is attached to this report.

   The laboratory analytical report for the pump and treat effluent noted that the groundwater pump & treat effluent samples were collected on March 10 and arrived at the lab on March 11, 2016 at 0.6° C.

   In January 2016 a Work Plan was submitted for the plume investigation EPA requested Central Wire to conduct in spring 2016. Conditional approval was provided on March 9, 2016 with three comments. Central Wire responded to those comments on March 29, 2016 including a proposal to delay the field investigation until June 2016 to match the semiannual groundwater well and residential well sampling with the efforts to define the leading edge of the chlorinated plume on the property of the South Branch Nursery

2. **Summary of Validated Data and Results** – The monthly effluent sampling took place on March 10, 2016. The permit limitations and March analytical results are shown in Table 1, below.

Table 1
Central Wire Union Illinois Pump & Treat Discharge Analytical Results

Parameter	Effluent Limitation (Daily Maximum), µg/L	March 2016 Analytical Results, µg/L
1,1,1-Trichloroethane	20	< 0.38
Tetrachloroethene	20	< 0.37
Trichloroethene	20	<0.16

The March NPDES analytical report is attached to this Monthly Progress Report.

This report also has environmental analytical results for the North Pond and South Pond. These ponds are Illinois EPA-regulated seepage ponds for Central Wire's rinse waters from the annealing process, non-contact cooling water, boiler blowdown and storm water.

The two extraction wells are sampled once per quarter year in the third month of the quarter. These results are also reported in the analytical report, attached, and continue

to show a downward trend in TCA, TCE and PCE in the groundwater collected for treatment in the pump and treat facility.

3. **Upcoming Events/Activities Planned** – Central Wire will continue to operate the existing remediation systems. Effluent samples will be collected, analyzed and reported as required in our NPDES permit.

   The flow has been decreasing in extraction well 2 as a result of screen biofouling. Central Wire plans to have the well cleaned, air bursted, then pump one tanker truck with the water and solids from the well rehabilitation for treatment and disposal. Central Wire plans to do this as soon as we can get a tanker truck into the field without getting stuck.

   Central Wire plans on implementing the work outlined in the proposed "2016 RCRA CMI Field Investigation Work Plan" in April 2016 or June if EPA desires to pair the field investigation with the semiannual monitoring well and residential well sampling event.

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

5. **Key Personnel Changes** – None.

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