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Mount Pleasant, Wisconsin 53403
Phone: 262.237.1130

15 May 2018

Mr. John Nordine
U.S. EPA Region 5
RCRA Enforcement and Compliance Assurance Branch (LU-16)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois RCRA CMI Monthly Progress Report - April 2018
EPA ID: ILD005178975

Dear Mr. Nordine:

Enclosed please find the RCRA CMI Monthly Progress Report for the Central Wire, Inc. (CWI) facility located in Union, Illinois for April 2018.

This report includes the eDMR for the groundwater pump & treat facility and the NPDES laboratory analytical reports, which include the effluent data used in the eDMR. It also includes the South Branch Nursery well no. 2 (restroom) analytical data for Volatile Organic Compounds which are included in the 4-2018 NPDES Analytical Report file.

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, 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
April 2018

1 **Progress Made This Reporting Period** – In this reporting period Central Wire Inc. (CWI) continued the operation and maintenance of the groundwater extraction and treatment (P&T) system. CWI treated an average of 373,000 gallons per day (GPD) with a maximum daily flow of 387,000 GPD. Table 1, attached, lists the average daily P&T volumes by month from January 2015 through April 2018.

The monthly NPDES sample met effluent limitations for pH, 1,1,1-Trichloroethane (TCA), Trichloroethene (TCE) and Tetrachloroethene (PCE). The electronic Discharge Monitoring Report (eDMR) for the month is attached to this report.

The laboratory analytical report for the pump and treat effluent sample and the Ex. 6 Personal Privacy (PP) well no.2 Ex. 6 Personal Privacy (PP) sample were collected on April 19, 2018 and arrived at Test America Laboratory on April 20, 2018 at 2.6° C. There were no volatile organic compound detections found in the Ex. 6 Personal Privacy (PP) well Ex. 6 Personal Privacy (PP) sample. The irrigation well, well no. 1, was not sampled because it is not yet operational for the 2018 growing season. Ex. 6 Personal Privacy (PP) Ex. 6 Personal Privacy (PP) personnel said it would be May before they started irrigating.

We have contacted County Well & Pump for recommendations on further remediation efforts to increase well extraction capacity on extraction well no. 2 which has decreased in recent months.

2 **Summary of Validated Data and Results**

Pump & Treat System Monthly NPDES Samples

The permit limitations and analytical results are shown in Table 2, below. There were no effluent limitation exceedances.

Table 2
Central Wire Union Illinois Pump & Treat Effluent Analytical Results

Parameter	Effluent Limitation (Daily Maximum), µg/L	Effluent Analytical Results, µg/L
1,1,1-Trichloroethane	20	< 0.38
Tetrachloroethene	20	0.68 J
Trichloroethene	20	0.73

J = Result is < the Reporting Limit but >/= to the Method Detection Limit and the concentration is an approximate value.

Ex. 6 Personal Privacy (PP) Well Sample

Central Wire collected a sample at the Ex. 6 Personal Privacy (PP) well no. 2 Ex. 6 Personal Privacy (PP) on April 19, 2018. This well is being used to supply water to the toilet in the office. See Figure1 for location of this well. There were no detections of volatile organic compounds. These results are in the attached analytical report.

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

3 **Upcoming Events/Activities Planned** – CWI will continue to operate the existing remediation systems. Effluent samples will be collected, analyzed and reported as required in our NPDES permit. CWI has reapplied for the NPDES permit for this system adding a second discharge for the pump and discharge system and awaits comments from IEPA. The current permit expires on May 31, 2018.

CWI has submitted a water well permit application to the McHenry County Health Department for the replacement irrigation well for Ex. 6 Personal Privacy (PP) received a comment letter from the county and has responded to the comments.

CWI is currently seeking a vendor to replace the Ex. 6 Personal Privacy (PP) well with a deeper well sealed and cased into the bedrock.

CWI plans to meet as needed with Ex. 6 Personal Privacy (PP) work out details and schedules, but that work won't kick off until the McHenry County water well permit is issued.

Samples will continue to be collected at the Ex. 6 Personal Privacy (PP) Ex. 6 Personal Privacy (PP) every month when the irrigation pumps are not operating, usually between November and May of each year.

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.