



CLEVELAND-CLIFFS INC.
Cleveland-Cliffs Burns Harbor LLC
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VIA Electronic Mail

IDEM Office of Water Quality
Indiana Department of Environmental Management
100 North Senate Avenue
Indianapolis, IN 46204-2251

October 12, 2023

Subject: Environmentally-Beneficial Project
Cleveland-Cliffs Burns Harbor
USDC IN/ND case 2:22-cv-00026-PPS-JEM

As laid out in the May 6, 2022 Consent Decree, Cleveland-Cliffs Burns Harbor has conducted weekly sampling to monitor and report on water quality in the East Branch of the Little Calumet River and Lake Michigan for an Environmentally-Beneficial Project. This report contains the September 2023 sampling results.

We trust that the above adequately responds to the reference. If there are any questions concerning these matters, please contact Morgan Swanson at 219-787-2646.

Sincerely,

A handwritten signature in black ink that reads "Thomas Maicher".

Thomas Maicher
Area Manager, Environmental
Cleveland-Cliffs Burns Harbor LLC

Environmentally-Beneficial Project Sampling Data Summary**Cleveland-Cliffs Burns Harbor Intake**

	Temperature (°F)	pH (s.u.)	Ammonia (mg/L)	Free Cyanide (µg/L)
9/6/2023	72.8	7.9	0.0563	1.2
9/13/2023	69.9	7.4	Non-Detect	Non-Detect
9/20/2023	67.2	7.8	0.0153	1.8
9/27/2023	54	7.61	0.0164	1.2

East Branch Little Calumet River at Howe Road

	Temperature (°F)	pH (s.u.)	Ammonia (mg/L)	Free Cyanide (µg/L)
9/6/2023	72.3	7.9	0.0886	0.6
9/13/2023	61.1	7.8	0.05	Non-Detect
9/20/2023	58.6	7.61	0.0547	1.3
9/27/2023	63.8	7.61	0.0391	0.5

East Branch Little Calumet River at Crisman Road

	Temperature (°F)	pH (s.u.)	Ammonia (mg/L)	Free Cyanide (µg/L)
9/6/2023	78.1	8	0.0836	Non-Detect
9/13/2023	64.5	7.9	0.134	Non-Detect
9/20/2023	68.3	8.01	0.0984	0.7
9/27/2023	64.7	7.75	0.0858	Non-Detect

Indiana Dunes National Park West Beach

	Temperature (°F)	pH (s.u.)	Ammonia (mg/L)	Free Cyanide (µg/L)
9/6/2023	72.5	7.6	Non-Detect	0.4
9/13/2023	67.6	8.2	0.0123	Non-Detect
9/20/2023	68.4	8.01	0.129	0.7
9/27/2023	61.5	7.55	0.0176	Non-Detect

CLEVELAND-CLIFFS BURNS HARBOR

SAMPLING LOCATIONS (in yellow)

- UPSTREAM EAST BRANCH LITTLE CALUMET RIVER
- DOWNSTREAM EAST BRANCH LITTLE CALUMET RIVER
- LAKE MICHIGAN (Cleveland-Cliffs Burns Harbor Intake, Indiana Dunes National Park West Beach)

Lake Michigan

Lake Michigan

Burns Harbor

CLEVELAND-CLIFFS
BURNS HARBOR INTAKE

CLEVELAND-CLIFFS
BURNS HARBOR
OUTFALL 002

INDIANA DUNES
NATIONAL PARK
WEST BEACH

EAST BRANCH
LITTLE CALUMET RIVER
AT HOWE RD

Burns Ditch

Storm Ditch

East Branch
Little Calumet River

CLEVELAND-CLIFFS
BURNS HARBOR
OUTFALL 001

EAST BRANCH
LITTLE CALUMET RIVER
AT CRISMAN RD

East Branch Little Calumet River

Salt
Creek

5000 ft

