

Legend

- Major Shoreline Industry Lands
- Indiana Dunes National Park
- Indiana Dunes State Park



Shoreline Industry Factsheets

US Steel Gary Works



US STEEL GARY WORKS OVERVIEW

- U. S. Steel's largest integrated steel mill that is situated on the south shore of Lake Michigan in Gary, Indiana
- Comprised of both steelmaking and finishing facilities, Gary Works has an annual raw steelmaking capability of 7.5 million net tons
- Sheet products, strip mill plate in coils, and tin products are manufactured at Gary Works

US STEEL GARY WORKS NPDES PERMIT: NUMBER IN0000281

- NPDES permits are valid for five year periods
- Before the NPDES permit is renewed, a public comment period will be announced by IDEM
- **The public comment period is the best opportunity for the public to influence the five-year NPDES permit discharge levels and monitoring and reporting requirements**



WHAT DOES SAVE THE DUNES DO?

- Save the Dunes has developed a Water Pollution Prevention Plan to work with stakeholders, industry, and IDEM to create a culture of pollution prevention in Northwest Indiana
- In the event of an emergency, Save the Dunes will alert members and supporters via an "Action Alert" to empower community members to take action. Sign up for newsletters and become a member at [savedunes.org](https://www.savedunes.org)

OUTFALL LOCATIONS

- Large pipes, called "outfalls," discharge water from industrial facilities into adjacent waterways
- US Steel releases stormwater associated with industrial activity from other areas of the refinery
- Out of the 18 active external outfalls, 14 discharge to the Grand Calumet River and 4 discharge to Lake Michigan



DID YOU KNOW?

Lake Michigan is the source of drinking water for more than 40 million people

To View US Steel Gary Works' NPDES Permit
Go to IDEM's "Lake Michigan Sites of Interest" page :
<https://www.in.gov/idem/resources/lake-michigan-sites-of-interest/>



NPDES - PERMITTED POLLUTANTS OF INTEREST

Pollutant	Health Impacts Above Permitted Levels
Hexavalent Chromium	Exposure is associated with increased risks of lung cancer and cancer of the paranasal sinuses and nasal cavity
Hexavalent Chromium (lbs/day)	
Total Cyanide	The health effects from high levels of cyanide exposure can begin in seconds to minutes. Signs and symptoms include headaches, nausea, difficulty breathing, seizures and cardiac arrest
Mercury	High levels of mercury can lead to neurological and behavioral disorders symptoms including tremors, insomnia, memory loss, neuromuscular effects, headaches and cognitive and motor dysfunction
Mercury (ng/l)	

*Health Effects listed are subject to extreme exposures in certain cases and are not guaranteed above permitted levels

DID YOU KNOW

Non-profit organizations will hold industries accountable through advocacy campaigns and lawsuits if permit violations are severe and/or a systemic pattern of violations is evident

WHAT CAN YOU DO?

HISTORY OF NPDES PERMIT VIOLATIONS

Recent Permit Violations	Compliance History
Selenium	One instance of violation in 2018
Oil and Grease	Three instances of violation in 2020
Mercury	Two instances of violation in 2019 and six in 2020
Thermal Discharge	One instance of violation in 2019
Total Suspended Solids	One instance of violation in 2018

- Be aware of permit renewal dates
 - The public can usually provide comments around 30 days after a permit draft is published. Be sure to research any specifics that you are interested in including prior to submitting your public comment
- Stay Connected
 - Make sure you are connected with Save the Dunes on social media and join our email list to be notified of emerging situations and action alerts.

IN CASE OF EMERGENCY

Indiana Department of Environmental Management
24-Hour Emergency Toll Free Spill Lines:
(888) 233-7745 or (317) 233-7745

National Response Center Line to report
an environmental emergency:
1-800-424-8802