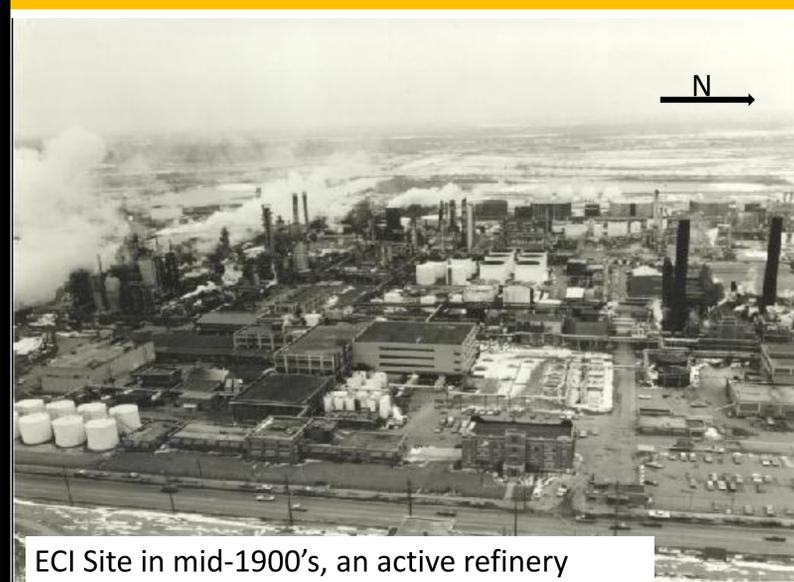


US Army Corps  
of Engineers  
Chicago District

# INDIANA HARBOR AND CANAL (IHC) CONFINED DISPOSAL FACILITY (CDF)



## Site History



ECI Site in mid-1900's, an active refinery

- ❖ The ECI site was used as a petroleum refinery until 1986, when the facility went bankrupt. The site was razed and left vacant until the CDF construction started in 2002.
- ❖ The site contains a layer of oil on the groundwater, as well as lead and pesticides, left from the past refinery operation. A great deal of debris, buried pipelines, foundations and other objects remains below the surface of the site.
- ❖ The CDF design incorporates the "corrective action" for the pollutants left on site.



Vacant ECI site in 2000; roads go to oil collection system.



CDF completed in 2011

## CDF construction occurred in stages from 2002 – 2011.



Cutoff wall trenching



Clay dike construction



Well installation



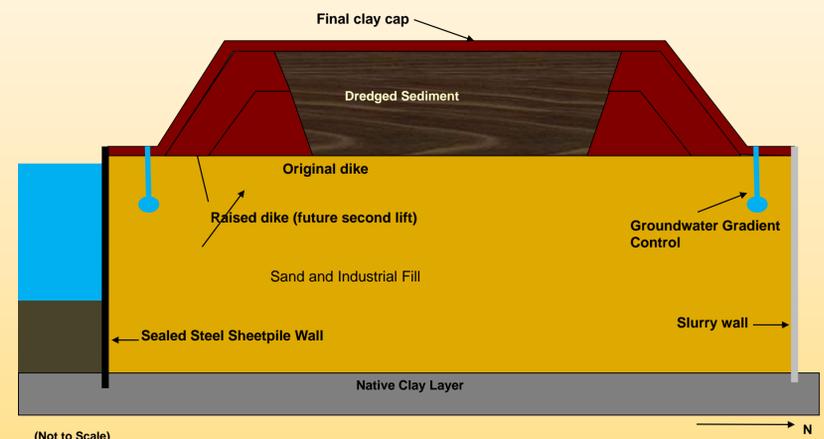
Obstruction removal



South wall installation



Center dike finishing



CDF cross section

### CDF Features address site legacy issues

Legacy	CDF Feature
Free Product on Groundwater	Groundwater cut-off walls and gradient system
Extensive soil contamination	Perimeter cover on site, future clay closure cap
Buried waste and debris left on site	No digging in center of site; no waste removal
Poor groundwater and surface water quality	Plant on site for GW and surface water treatment
Poor regional air quality	Air monitoring and emissions controls

The CDF will contain the dredged sediment from the federal channel and adjacent dockface areas. Dredging will prevent the contaminated sediment from washing into the lake. Each year more than 100,000 cyd of contaminated sediment washes to the Lake, and that includes approximately 67,000 pounds of Chromium, 100,000 pounds of lead, and 420 pounds of PCBs.