


Superfund Process at Ameren Taylorville MGP Site, Taylorville, IL

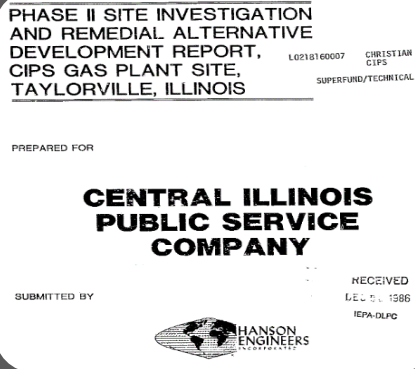
Superfund Process

Steps completed are shaded grey



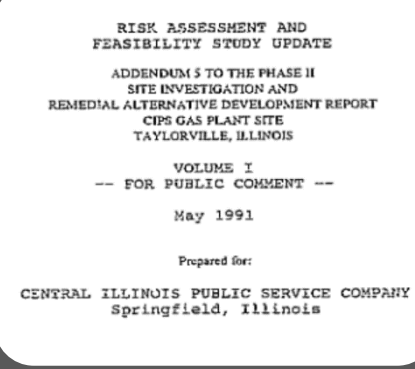
Preliminary Assessment/Site Inspection (PA/SI)

- Completed in 1986 by USEPA
- Identified former MGP impacts in soil and groundwater



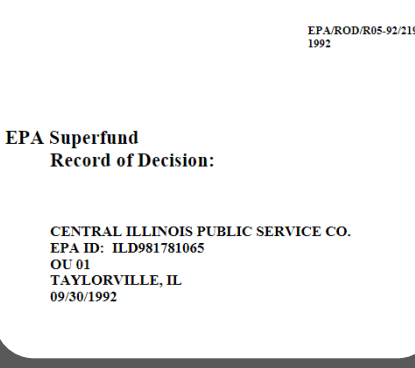
Remedial Investigation (RI)

- Completed in 1985
- 1985 Phase II Investigation of soil and groundwater
- 1986 Immediate Removal (Excavation) of former MGP structures and soil



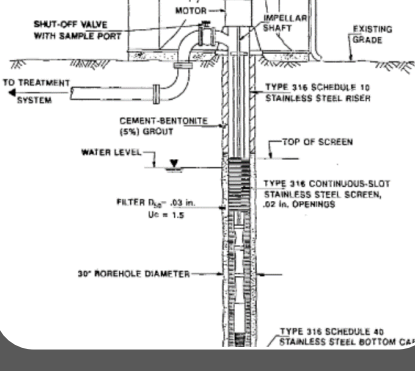
Feasibility Study (FS)

- Completed in 1991
- Examined multiple potential remedial options
- Preferred approach: Pump & Treat (P&T) technology in addition to the excavations conducted and the institutional controls implemented




Proposed Plan and Record of Decision

- Completed in 1992 and added to in 2005
- 1992 Record of Decision for excavation, P&T remediation of the groundwater, and institutional controls
- 2005 Explanation of Significant Differences revised one groundwater standard and allowed for a pilot study to be conducted to improve P&T system




Remedial Design/Remedial Action (RD/RA)

- Completed in 1995
- 1989-1994 P&T System Design Activities
- 1995 Installation and Operation of P&T System
- Additional chemical oxidation remediation conducted in 2006-2007 and 2010-2012



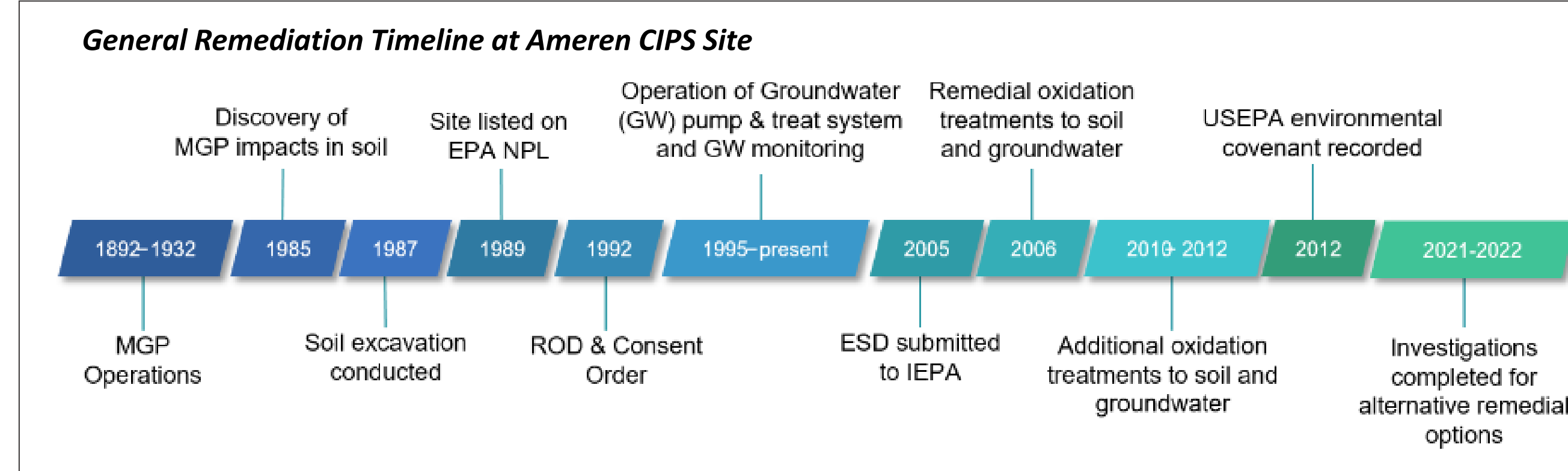
Five Year Review (FYR) Current Phase ←

- P&T Remediation from 1995 to 2023
- USEPA Five-Year Reviews in 1999, 2004, 2009, 2014, and 2019
- Groundwater concentrations of chemicals of concern (COCs) at stable, low, resistant levels above groundwater standards from 2015 to present in two wells onsite
- P&T effectiveness is diminishing with low, residual concentrations – Ameren exploring alternative remedial methods to achieve compliance in final two wells



Site Closure and Delisting

- To be considered complete upon compliance to groundwater standards set in the Record of Decision documents
- A request to delist the Site from the Superfund NPL and public comment period
- Ameren striving for beneficial reuse of property for the City of Taylorville




Additional Remedy - Modification to Record of Decision Process



Remedial Design Investigation (RDI)

- To determine if ISS is a feasible remedial alternative
- Conducted in May to November 2022
- Over 2,000 groundwater and soil samples



Focused Feasibility Study (FFS)

- Examined potential remedial options
- Submitted to IEPA in Spring 2023
- One potential other remedial technology – In Situ Solidification / Stabilization (ISS) - or continue P&T



2023 Proposed Plan and Record of Decision Amendment



Remedial Design/Remedial Action (RD/RA)

- Remedial Design – Spring and Summer 2023
- Remedial Action – Potentially in late Summer 2023-Spring 2024

Public Review and Comment Period

2023 Proposed Plan

- Public Notice
- Public Meeting on Thursday, July 13, 2023
- 30-day Comment Period
 - 7/5/2023 to 8/5/2023

2023 Record of Decision Amendment

- Modifies Remediation Method at Site
- Following Public Comments
- Requires Approval by IEPA
- Requires Approval by USEPA

