



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
**ENVIRONMENTAL  
MANAGEMENT**

# **INL Site-Wide Five-Year Review of CERCLA Response Actions**

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# What We'll Cover

- Purpose of a five-year-review
- Roles and responsibilities
- Current situation – CERCLA at the INL
- Steps in the five-year-review process
- Technical assessments and protectiveness
- Working schedule
- Community resources and opportunities

# Purpose of a five-year review

- “The purpose of a five-year review is to evaluate the implementation and performance of the remedy in order to determine if the remedy is or will be protective of human health and the environment.” – U.S. Environmental Protection Agency
- CERCLA law requires five-year reviews at sites where the remedy leaves contamination in place that precludes unlimited use and unrestricted exposure.

# Roles and Responsibilities



## DOE-ID

- Prepares report



## Idaho DEQ

- Reviews and comments



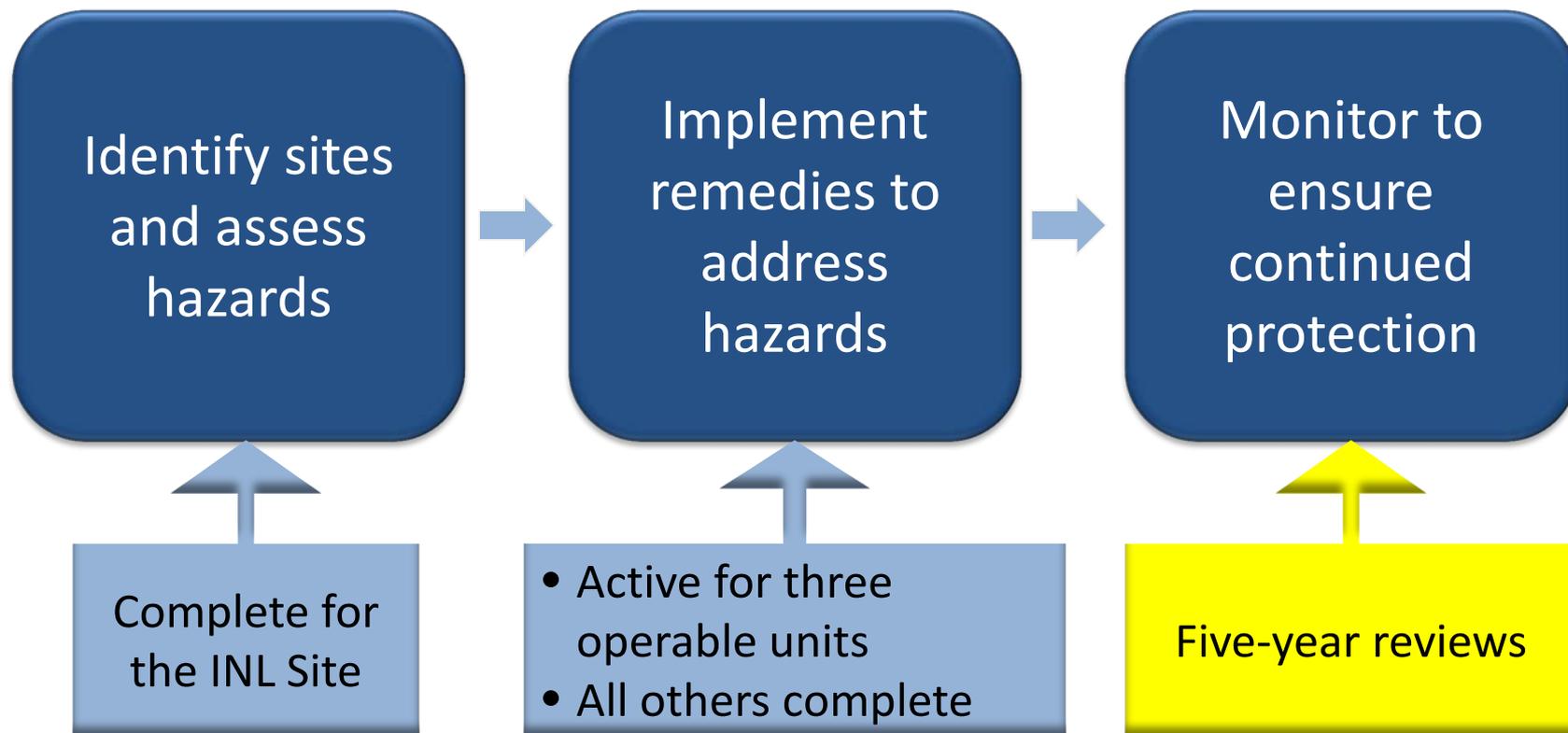
## EPA

- Reviews and comments
- Concurs with lead agency or issues separate findings

# Previous INL Site-Wide Five-Year Reviews

Document Number	Review Period	Date Published
DOE/NE-ID-11201	Through FY 2004	February 2007
DOE/ID-11429	FY 2005 through 2009	January 2011

# Current Situation – CERCLA at the INL Site



## A Note About Scope...

- Provides some background and progress since last five-year review
- However, focus is on current situation—like a snapshot



# Steps in a Five-Year Review

## Review key documents

- Records of Decision, remedial action objectives, monitoring and maintenance reports, new investigations, technical memos

## Assess contaminant levels

- Review remedy and analyze data on each contaminant

## Conduct site inspections

- May involve Agency participation

## Write report

- Assess whether remedies are protective

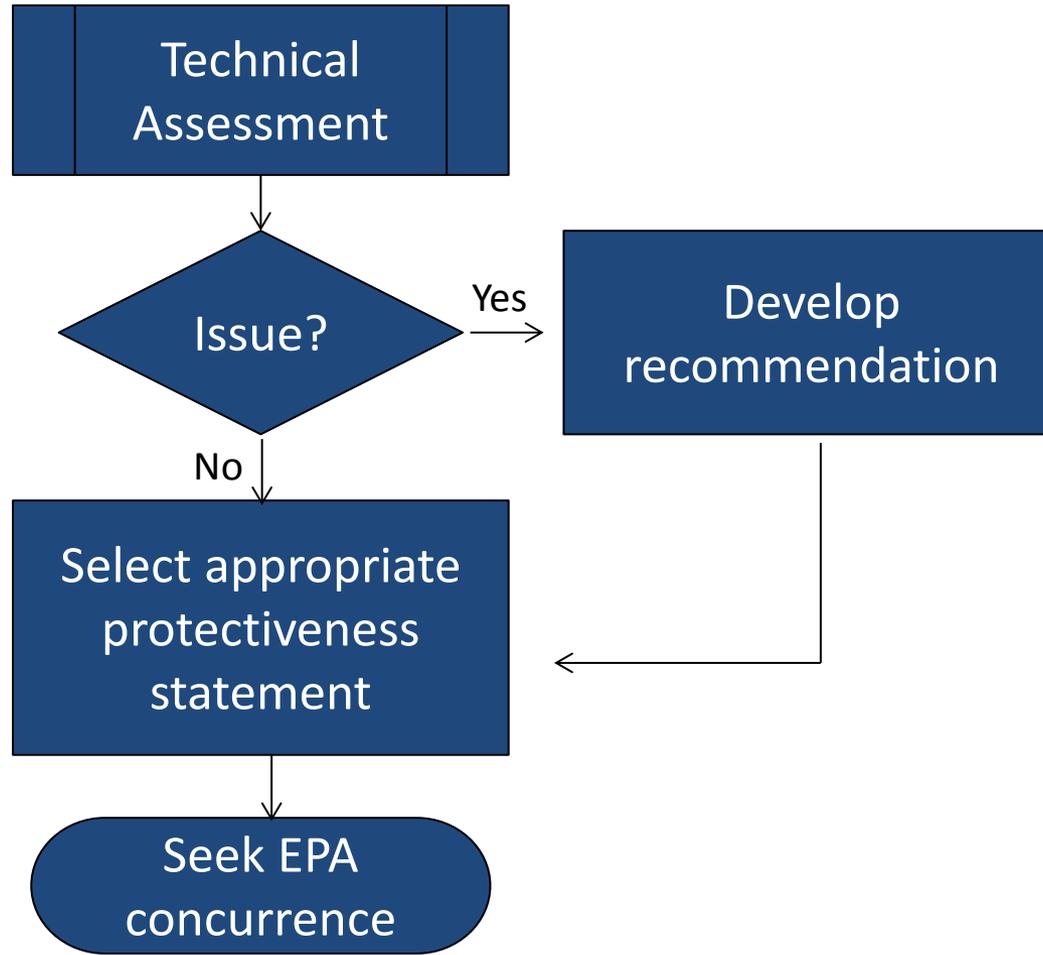
# Technical Assessment

Question A: Is the remedy functioning as intended by the decision documents?

Question B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives used at the time of the remedy selection still valid?

Question C: Has any other information come to light that could call into question the protectiveness of the remedy?

# Issues and Protectiveness Statements



# Is the Remedy Protective?

**1. Protective or will be protective**

**2. Protective in the short term**

**3. Protectiveness deferred**

**4. Not protective**

# Working Schedule

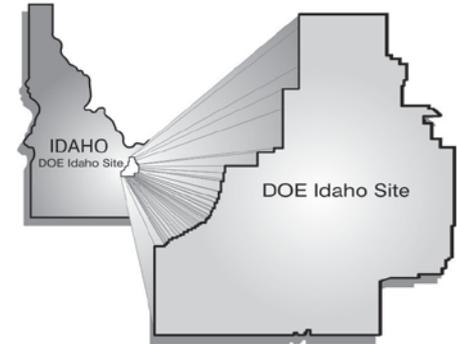
Activity	Deadline	
Publish public notice	October 2014	✓
Brief the CAB at the beginning	November 2014	✓
	January 2015	✓
Compile data	2 Quarter 2015	
Prepare draft for DEQ and EPA review	4 Quarter 2015	
Submit draft to DEQ and EPA review	4 Quarter 2015	
Finalize and publish report	2 Quarter 2016	
Receive EPA's letter of concurrence	February 2016	
Publish public notice	February 2016	
Additional CAB progress briefings and at completion	To be scheduled	

- Newspaper ads
- Notice on DOE and ICP websites
- CAB briefings

## *Agencies announce third site-wide five-year review of cleanup at DOE's Idaho Site*

The Idaho Cleanup Project is beginning work on the third site-wide five-year review of cleanup at the U.S. Department of Energy's Idaho Site.

Five-year reviews evaluate the protectiveness of completed and ongoing cleanup actions as required by the Comprehensive Environmental Response, Compensation, and Liability Act, known as CERCLA or Superfund. The review will determine if remedies at the Idaho Site are working as designed and are or will be protective of human health and the environment.



The Agencies—DOE, the U.S. Environmental Protection Agency, and the Idaho Department of Environmental Quality—review and approve Idaho Site cleanup documents. The Agencies encourage members of the public who want to know more about the five-year review process to visit EPA's website <http://www.epa.gov/superfund/fiveyearreview/>, watch short videos available on YouTube via links at <http://www2.epa.gov/fedfac/five-year-review-federal-facility-cleanups>, or attend a meeting of the Idaho National Laboratory Site Environmental Management Citizens Advisory Board, as scheduled at <http://www.inlcab.energy.gov/>.

After the Agencies review and approve the report, DOE will notify the public that the five-year review report is complete and available online. The DOE contact for the five-year review is:

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More information on the Idaho Cleanup Project is available online at <https://idahocleanupproject.com>.



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# Community Resources and Opportunities

- The Agencies rely on the process established through the CAB to receive input from both the CAB and the public on the status of CERCLA remediation activities before during and after the five-year-review
- CAB is briefed frequently on the status of CERCLA remediation and the public is afforded the opportunity to ask questions and provide comments
- If there are any issues identified in the five-year review that result in fundamental changes to a remedy, a ROD amendment will be sent out for public comment.

# Community Resources and Opportunities

- EPA websites
  - <http://www.epa.gov/superfund/fiveyearreview/>
  - <http://www2.epa.gov/fedfac/five-year-review-federal-facility-cleanups>
- Obtain information from the Information Repository
  - <https://ar.inel.gov/>
- Attend CAB meetings and ask questions
  - <http://www/inlcab.energy.gov/>
- Watch for public announcements
  - Post Register
  - <http://www.id.doe.gov/>
  - <https://idahocleanupproject.com>



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CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DEQ	Idaho Department of Environmental Quality
DOE-ID	U.S. Department of Energy Idaho Operations Office
EPA	U.S. Environmental Protection Agency
FFA/CO	Federal Facility Agreement and Consent Order
ICP	Idaho Cleanup Project
INL	Idaho National Laboratory
OU	operable unit