



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

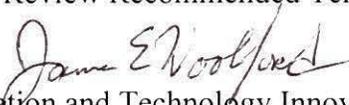
WASHINGTON, D.C. 20460

JAN 20 2016

OFFICE OF  
SOLID WASTE AND  
EMERGENCY RESPONSE  
OLEM-9200.0-89

**MEMORANDUM**

**SUBJECT:** Transmittal of the Five-Year Review Recommended Template

**FROM:** James E. Woolford, Director   
Office of Superfund Remediation and Technology Innovation

**TO:** Superfund National Policy Managers, Regions 1 – 10

**PURPOSE**

The purpose of this memorandum is to transmit the Five-Year Review Recommended Template. The Five-Year Review Recommended Template amends Appendix E of the “*Comprehensive Five-Year Review Guidance*,” OSWER 9355.7-03B-P, June 2001.

The purpose of this guidance for the recommended template is to provide an approach for preparing Five-Year Review (FYR) reports in a manner that is intended to promote national consistency, to reduce non-essential information and to decrease repetitiveness in the report. With such an approach, the Office of Superfund Remediation and Technology Innovation (OSRTI) intends for the template to reduce the time and cost associated with both writing and reviewing FYR reports. Also, OSRTI expects the template’s application will increase the efficiency and consistency of FYR data entry into the Superfund Enterprise Management System (SEMS).

As stated in EPA’s Comprehensive Five-Year Review Guidance (OSWER Directive 9355.7-03B-P, June 2001) on page 1-1, “[t]he purpose of a five-year review is to evaluate the implementation and performance of a remedy in order to determine if the remedy is or will be protective of human health and the environment.” The 2001 guidance addresses the recommended process for conducting FYRs.

**BACKGROUND**

OSRTI began working on pilot projects with the Regional programs in 2011 to streamline the FYR report. The Superfund Remedial Program Review Action Plan from November 2013 reemphasized the need to “...provide a ‘streamlined’ FYR template for national use” to increase efficiency in site cleanup approaches. The goal of the FYR report streamlining pilots was to explore changes that can be made to the report to reduce non-essential information and repetitiveness, while remaining focused on the information and conclusions necessary to evaluate whether the remedy is or will be protective of human health and the environment. The results and conclusions of these pilots informed the development of the Five-Year Review Recommended Template.

## **IMPLEMENTATION**

Beginning in fiscal year 2017, the Five-Year Review Recommended Template should be used for all FYRs in the Remedial Program. The Federal Facilities Restoration and Reuse Office is reviewing the template for potential application at Federal facility sites subject to EPA oversight. For FYRs in the Remedial Program completed during fiscal year 2016, the use of this template is optional at fund or private party sites and at the discretion of the region.

The Five-Year Review Recommended Template can be found in PDF and Microsoft Word format on the FYR webpage: <http://www.epa.gov/superfund/writing-five-year-reviews-superfund-sites>.

## **CONCLUSION**

If you have any questions, please contact me or have your staff contact Jennifer Edwards of my staff at [edwards.jennifer@epa.gov](mailto:edwards.jennifer@epa.gov) or (703) 603-8762.

Attachment

cc: OSRTI Managers  
National Regional FYR Coordinators  
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# FIVE-YEAR REVIEW RECOMMENDED TEMPLATE

## OLEM 9200.0-89

### PURPOSE OF THIS RECOMMENDED TEMPLATE

The purpose of this guidance for the recommended template is to provide an approach for preparing Five-Year Review (FYR) reports in a manner that is intended to reduce non-essential information and repetitiveness in the report. This recommended approach is designed to:

- Reduce time & cost in writing the Five-Year Review
- Reduce time & cost in reviewing the Five-Year Review
- Increase efficiency and consistency of Five-Year Review data entry into the Superfund Enterprise Management System (SEMS)

As stated in EPA's *Comprehensive Five-Year Review Guidance* (OSWER Directive 9355.7-03B-P, June 2001) on page 1-1, "[t]he purpose of a five-year review is to evaluate the implementation and performance of a remedy in order to determine if the remedy is or will be protective of human health and the environment." The 2001 guidance addresses the recommended process for conducting FYRs.

### RECOMMENDATIONS FOR USING THIS RECOMMENDED TEMPLATE

- Regions should consider this recommended template when carrying out Five-Year Reviews.
- Some sites subject to FYRs involve complex remedies and include multiple operable units (OUs). Suggestions have been made in this recommended template for when to consider organizing information by OU in order to simplify the documentation of the FYR. In addition, although an executive summary is not included in this recommended template, complex remedies and multiple OU sites may benefit from the inclusion of an executive summary to summarize site actions and orient the reader.
- This recommended template is meant to serve as a suggestion for the information necessary to document the results of the FYR. Additional information, including more detailed appendices may be included, as appropriate. The instructions throughout the document indicate where additional information may be warranted depending on site complexity.
- Please refer to the EPA Communications Stylebook, EPA Correspondence manual, or other EPA style guide (as appropriate) as you are writing this five-year review for information on grammar, punctuation, spelling, vocabulary, syntax, usage and more.
- Text that is highlighted *yellow and italicized* in this recommended template provides general instructions for the user to follow when filling out that particular section. This highlighted text (and box that contains the highlighted text if applicable) should also be **deleted** after following the instructions and should not be included in the final FYR report.

- Text that is highlighted **blue** in this recommended template should be **replaced** directly with the relevant site-specific information provided (e.g., **name of local newspaper** asks the FYR author to insert the name of the local newspaper for the town/county in which the site is located).
- Normal text (i.e. not highlighted or italicized) generally should be retained as language that is typically appropriate for the FYR report.
- For fields that look like this, [Click here to enter a date.](#), please select a date by clicking the field and then clicking the down arrow to open up a calendar.
- For fields that look like this, [Choose an item.](#) , select an item from the drop down list.
  - *Note: The information included in the drop-down menus matches information that is used in the FYR module in SEMS; this drop-down menu is meant to ease data entry and help ensure consistency.*
- Please refer to & consider EPA’s existing Five-Year Review Guidance, as well as specific supplemental guidance as listed below:
  - “Comprehensive Five-Year Review Guidance” (June 2001)
  - “Assessing Protectiveness at Sites for Vapor Intrusion: Supplement to the ‘Comprehensive Five-Year Review Guidance’” (November 2012)
  - “Clarifying the Use of Protectiveness Determinations for CERCLA Five-Year Reviews” (September 2012)
  - “Recommended Evaluation of Institutional Controls: Supplement to the ‘Comprehensive Five-Year Review Guidance’” (September 2011)
  - “Assessing Protectiveness for Asbestos Sites: Supplemental Guidance to the Comprehensive Five-Year Review Guidance” (December 2009)
  - “Five-Year Reviews, Frequently Asked Questions (FAQs) and Answers” (September 2009)
  - “Five-Year Review Addendum Sample” (December 2008)

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**[INSERT NUMBER OF FYR “FIRST” “SECOND” “ETC...”] FIVE-YEAR REVIEW REPORT FOR  
[SITE NAME] SUPERFUND SITE  
[SITE COUNTY], [SITE STATE]**



**Prepared by**

**U.S. Environmental Protection Agency  
Region [INSERT REGION #]  
[REGION CITY], [REGION STATE]**

-----  
**[First and Last Name], Division Director**

-----  
**Date**

The following Table of Contents shows typical major divisions and subheadings for Five-Year Review reports. Subheadings may be included as needed.

- **Note:** If you choose to work from this document & keep the headings the same, the table of contents & page numbers have already been formatted. As a result, you may simply click on the Table of Contents & then click “Update Table” to update the page numbers in the Table of Contents for your FYR.
- If you decide to include optional appendices, please make sure to incorporate them in this Table of Contents as well.

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## LIST OF ABBREVIATIONS & ACRONYMS

*For readability, this list normally should include only the most important abbreviations & acronyms that are addressed in this five-year review.*

ARAR	Applicable or Relevant and Appropriate Requirement
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
EPA	United States Environmental Protection Agency
FYR	Five-Year Review
ICs	Institutional Controls
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NPL	National Priorities List
O&M	Operation and Maintenance
PRP	Potentially Responsible Party
RAO	Remedial Action Objectives
ROD	Record of Decision
RPM	Remedial Project Manager
TBC	To be considered

*Insert any other acronyms/abbreviations used in the document*

## I. INTRODUCTION

*This recommended template does not include an executive summary because an introduction in a complete, concise five-year review typically should provide a complete overview of the site. However, for more complex sites with multiple operable units (OUs), it may be appropriate to include an executive summary.*

The purpose of a Five-Year Review (FYR) is to evaluate the implementation and performance of a remedy in order to determine if the remedy is and will continue to be protective of human health and the environment. The methods, findings, and conclusions of reviews are documented in five-year review reports such as this one. In addition, FYR reports identify issues found during the review, if any, and document recommendations to address them.

The U.S. Environmental Protection Agency (EPA) is preparing this five-year review pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 121, consistent with the National Contingency Plan (NCP)(40 CFR Section 300.430(f)(4)(ii)), and considering EPA policy.

This is the **number** FYR for the **Site name** Superfund Site. The triggering action for this **statutory or policy or discretionary** or list the type of review by OU if different triggering actions apply review is the on-site construction start date of the OU # remedial action *OR* signature date of the Preliminary Close-Out Report *OR* completion date of the previous FYR *OR* other. The FYR has been prepared due to the fact that hazardous substances, pollutants, or contaminants remain at the site above levels that allow for unlimited use and unrestricted exposure (UU/UE).

*If there are more than five (5) OUs that will be covered in this FYR, consider using a table to list them.*

The Site consists of # of all OUs at the site, and # of OUs reviewed in this FYR will be addressed in this FYR. OUX addresses what OUX addresses (e.g. “the groundwater remedy”). List what other OUs address in this FYR, if applicable. *[Include the following sentence if there are OUs not addressed in this FYR.]* The X OUs that are not addressed in this FYR are list OUs and reasons that these OUs are not included in this FYR (such as “X OU doesn’t have a ROD”).

The **Site name** Superfund Site Five-Year Review was led by **lead author & affiliation**. Participants included list all participant affiliations & areas of expertise and/or names (as appropriate) such as the hydrologist, community involvement coordinator, state agency representative, contract/IA support, etc.. *Include the following sentence for enforcement lead sites:* [The relevant entities such as the PRP were/was notified of the initiation of the five-year review.] The review began on [Click here to enter a date.](#)

### **Site Background**

- *Normally, 2 paragraphs of background information about the site should provide an adequate description for most sites*
  - *This information may be taken directly from decision documents*
- *Below is a list of suggested background topics to include:*
  - *Location of site (i.e. populated or unpopulated areas) and brief physical description*
  - *Former, current, and reasonably anticipated future land use of site and of areas surrounding the site (including historical practices resulting in contamination)*
- *If more background information is appropriate, either include an optional appendix with more detailed information, reference a document (and include the document in Appendix A – Reference List) and/or list a website in this section where that information is available.*
  - ***Note:** Website links can change, sometimes resulting in a broken link. As a result, if a website is listed also try to provide a document title that cites background information & reference this document in Appendix A – Reference List.*

## **SAMPLE FIVE-YEAR REVIEW SUMMARY FORM**

*Note: The “Review period” referenced below is meant to correspond to the start and end dates associated with the preparation of this FYR report.*

<b>SITE IDENTIFICATION</b>		
<b>Site Name:</b>		
<b>EPA ID:</b>		
<b>Region:</b> Choose a Region #	<b>State:</b> Enter state abbreviation	<b>City/County:</b> Enter City/County
<b>SITE STATUS</b>		
<b>NPL Status:</b> Choose an item		
<b>Multiple OUs?</b> Choose an item	<b>Has the site achieved construction completion?</b> Choose an item	
<b>REVIEW STATUS</b>		
<b>Lead agency:</b> Choose an item <i>[If “Other Federal Agency”, enter Agency name]:</i>		
<b>Author name (Federal or State Project Manager):</b>		
<b>Author affiliation:</b>		
<b>Review period:</b> Click here to enter a date - Click here to enter a date		
<b>Date of site inspection:</b> Click here to enter a date		
<b>Type of review:</b> Choose an item		
<b>Review number:</b> Choose an item		
<b>Triggering action date:</b> Click here to enter a date		
<b>Due date (five years after triggering action date):</b> Click here to enter a date		

## **II. RESPONSE ACTION SUMMARY**

*This recommended template includes headings for the Response Action Summary section, however a narrative format for this section (without headings) can also be used.*

### **Basis for Taking Action**

- *List out the contaminants and/or contaminants of concern (COCs) by media type.*
- *Discuss resources/receptors that have been or could potentially be affected, as well as primary human and/or ecological health threat and exposure pathways.*

## Response Actions

- Briefly summarize pre-ROD activities such as CERCLA removal actions, non-CERCLA removals/responses, and any related documents (such as enforcement orders or agreements) and parties involved in these activities; check with the enforcement program to ensure appropriate language.
- A bulleted list to briefly address the following items generally may be sufficient. You are encouraged to pull this information directly from site decision documents to maintain consistency. The items included may be broken down by decision document or OU as appropriate:
  - **RAOs for the remedy selected in the ROD or amended ROD<sup>1</sup>**
  - **Remedy components selected in the ROD or amended ROD<sup>2</sup>**
    - Include engineering controls, access controls, ICs, and required monitoring, broken down by each OU or decision document.
  - **Remedy components that have been modified in an ESD<sup>3</sup>**
    - Include engineering controls, access controls, ICs, and required monitoring, broken down by each OU or decision document.
  - Include a table of cleanup levels selected in the ROD or amended ROD.

## Status of Implementation

- The following information can be presented either chronologically or by OU :
  - Briefly discuss the status of any response action or remedial action including whether remedial actions are complete or ongoing.
  - If ICs are part of the selected remedy consider including a subheading for ICs as well as using the table below to represent implementation status.
- A ‘big picture’ status of the implementation normally should be included (e.g., ‘A berm was installed to improve surface drainage on January 4, 2014’).
- A step by step report of the implementation normally is not necessary (e.g., ‘We installed monitoring well #1 on March 5, 2012’).

## IC Summary Table (Optional – Include if ICs have been selected in a ROD or amended ROD, or modified in an ESD<sup>4</sup>)

Table X: Summary of Planned and/or Implemented ICs

Media, engineered controls, and areas that do not support UU/UE based on current conditions	ICs Needed	ICs Called for in the Decision Documents	Impacted Parcel(s)	IC Objective	Title of IC Instrument Implemented and Date (or planned)
Media (e.g., groundwater, soils, sediments)	Choose an item	Choose an item	Parcel # or other identifying information	Use restriction or notice provided by the IC (e.g. restrict installation of ground water wells and ground water use).	Instrument title (e.g. Declaration of Restrictive Covenants, June 2003)

<sup>1</sup> Please refer to “[A Guide to Preparing Superfund Proposed Plans, Records of Decision, and Other Remedy Selection Decision Documents.](#)” USEPA. July 1999.

<sup>2</sup> Please refer to “[A Guide to Preparing Superfund Proposed Plans, Records of Decision, and Other Remedy Selection Decision Documents.](#)” USEPA. July 1999.

<sup>3</sup> Please refer to “[A Guide to Preparing Superfund Proposed Plans, Records of Decision, and Other Remedy Selection Decision Documents.](#)” USEPA. July 1999.

<sup>4</sup> Please refer to “[A Guide to Preparing Superfund Proposed Plans, Records of Decision, and Other Remedy Selection Decision Documents.](#)” USEPA. July 1999. Also please refer to “[Institutional Controls: A Guide to Planning, Implementing, Maintaining, and Enforcing Institutional Controls at Contaminated Sites \(PIME\).](#)” USEPA. December 2012; and “[Recommended Evaluation of Institutional Controls: Supplement to the ‘Comprehensive Five-Year Review Guidance’](#)” USEPA (September 2011).

**Systems Operations/Operation & Maintenance (Optional – Include if Appropriate)**

- This information may be presented either chronologically or by OU, and should include:
  - A brief description of any modifications to the O&M plan requirements since the last FYR, including changes related to the party conducting the activities
  - A summary of any completed or ongoing O&M activities since the last FYR
  - Problems in the implementation of system operations/O&M, if applicable

**III. PROGRESS SINCE THE LAST REVIEW**

- The EXACT protectiveness statement and issues/recommendations from the last FYR normally should be used by copying & pasting from the last FYR or going into SEMS

This section includes the protectiveness determinations and statements from the **last** five-year review as well as the recommendations from the **last** five-year review and the current status of those recommendations.

**Table X:** Protectiveness Determinations/Statements from the 20xx FYR

OU #	Protectiveness Determination	Protectiveness Statement
1	Choose an item	
2	Choose an item	
Sitewide	Choose an item	

If there were no issues & recommendations in the last FYR, please state that here; in this case, the table below should be deleted and not used in this report.

**Table X:** Status of Recommendations from the 20xx FYR

OU #	Issue	Recommendations	Current Status	Current Implementation Status Description*	Completion Date (if applicable)
			Choose an item		Click here to enter a date
			Choose an item		Click here to enter a date

\*If further explanation is needed than can be reasonably formatted in the above table, please write the current implementation status below for the applicable recommendation.

**Recommendation # (Optional – Include if Appropriate)**

- Discuss the implementation status of the first recommendation listed in the “Status of Recommendations from the 20XX FYR” table above

**Recommendation # (Optional – Include if Appropriate)**

- Discuss the implementation status of the second recommendation listed in the “Status of Recommendations from the 20XX FYR” table above

## IV. FIVE-YEAR REVIEW PROCESS

### Community Notification, Involvement & Site Interviews

- *At the discretion of the RPM & CIC or other lead site contacts, the Community Involvement Plan (CIP) should be used to help tailor the need for and type of community involvement activities at a site for the FYR process, including notification and interviews*
  - ***Note for Interviews:** The Five-Year Review Guidance discusses potential involvement of interested parties in FYR interviews, which may include the site manager; site personnel; Federal, State, and Tribal regulatory authorities; local officials; community action groups or associations; residents and businesses located near the site; and other pertinent organizations or individuals.*

A public notice was made available by [state how the public notice was made available \(e.g. by a newspaper posting, press release, flyers door-to-door, e-mail notifications, telephone calls, mailing notices to homes, etc...\)](#) and the title of the published notice **if applicable** (e.g., local newspaper name, press release form, etc), on [Click here to enter a date](#), stating that there was a five-year review and inviting the public to submit any comments to the U.S. EPA. The results of the review and the report will be made available at the Site information repository located at [name of repository](#), [physical or electronic address of repository](#).

#### **The Text in this Box is Optional –**

- *If interviews **were** conducted – the following section may be included*
- *If interviews **were not** conducted – the following section may not need to be included. If it is not included, consider providing information as to why interviews were not conducted (the CIP may be used to support the decision to not conduct interviews).*
- ***Reminder:** Delete box when yellow highlighted text is deleted.*

During the FYR process, interviews were conducted to document any perceived problems or successes with the remedy that has been implemented to date. The results of these interviews are summarized below.

*Include a brief summary (roughly two paragraphs) of the interview results here. Please keep in mind the following:*

- *Unless you have received permission from interviewees that it is OK to include their name and any other information in the five-year review, you should not include this information.*
- *Information that may be relevant to the protectiveness determination(s) generally includes:*
  - *Successes/problems in the implementation of access and ICs*
  - *Successes/problems with the construction of the remedy and/or O&M*
  - *Unusual situations or problems at the site*

### Data Review

- *All of the data collected and statistical analyses of these data normally should not be included*
- *The focus normally should be on the last five years of data (except where additional historical data may be needed to evaluate trends)*
- *It can be useful to separate data by media and sub-media (e.g., soil, groundwater, sediment, surface water, fish tissue, or soil gas/indoor air)*
  - *For sites with multiple OUs, separation by OU may be considered as well.*
- *Normally, it is useful to include data relevant to remedy performance and progress towards meeting RAOs*

- Generally, sufficient data to answer the technical assessment questions should be included
- Normally it is useful to include a concise summary of:
  - Relevant data trends over the last five years, noting actual levels (e.g., measurements in specific well locations for a ground water cleanup), to evaluate whether RAOs and associated cleanup levels established in the ROD are likely to be achieved and/or have been achieved
  - Data relevant to support engineering performance, such as data related to assessing plume capture
  - For ground water cleanup, a brief discussion of data related to the site-specific groundwater remedy completion strategy
- Tables, maps or graphs may be used to help explain the text or may be included in an Appendix
- If a document that includes data is referenced, a citation to the document should be included and the reader should be directed to Appendix A – Reference List.

### **Site Inspection**

The inspection of the Site was conducted on [Click here to enter a date](#). In attendance were [RPM name](#), [Lead agency](#), [Support agency representative \(if applicable\)](#) of the [Support agency name](#), and [any additional members and their respective organizations](#). The purpose of the inspection was to assess the protectiveness of the remedy.

*Briefly describe results of the site inspection, particularly if issues impacting current and/or future protectiveness were observed*

## **V. TECHNICAL ASSESSMENT**

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

### **Question A Summary:**

- Include a concise, overall summary response to Question A here. This answer should summarize information obtained in carrying out the five year review process.
- Information gathered using the factors addressed in the three subheadings below can help support the answer.
- The answer should be complete and concise; normally a ‘yes’ or ‘no’ answer is not appropriate.

#### ***Remedial Action Performance (Optional – Include if Appropriate)***

- Whether the remedial action continues to operate and function as designed
- Whether cleanup levels are being achieved or are on a path to be achieved in a reasonable time frame
- Whether containment is effective, if applicable
- Whether opportunities exist to improve the performance and/or reduce costs of monitoring, sampling, and treatment systems

#### ***System Operations/O&M (Optional – Include if Appropriate)***

- Whether operating procedures, as implemented, are working in a manner that will continue to maintain the effectiveness of the remedy
- Whether frequent equipment breakdowns or changes indicate a potential issue affecting protectiveness
- Whether large variances in O&M costs could indicate a potential remedy problem

**Implementation of Institutional Controls and Other Measures (Optional – Include if Appropriate)**

- Whether ICs are in place and are proving to be effective in preventing exposure
- Whether access controls (e.g., fencing and warning signs) are in place and are proving to be effective in preventing exposure
- Whether other actions (e.g., removals) necessary to ensure that immediate threats have been addressed are complete

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

**Question B Summary:**

- Include a concise, overall summary response to Question B here. This answer should summarize information obtained in carrying out the five year review process.
- Information gathered using the factors addressed in the five subheadings below can help support the answer.
- The answer should be complete and concise; normally a ‘yes’ or ‘no’ answer is not appropriate.
- Summary tables may be added to this section as appropriate (e.g. to summarize ARAR information)

**Changes in Standards and TBCs (Optional – Include if Appropriate)**

- Whether standards identified as ARARs, newly promulgated standards, and/or changes in TBCs could call into question the protectiveness of the remedy
- Include additional information about existing ARARs, newly promulgated standards, and/or changes in TBCs that do not affect protectiveness here as appropriate or include in an optional Appendix

**Changes in Toxicity and Other Contaminant Characteristics (Optional – Include if Appropriate)**

- Whether toxicity factors for contaminants of concern at the site have changed in a way that could affect the protectiveness of the remedy
- Whether other contaminant characteristics have changed in a way that could affect the protectiveness of the remedy

**Changes in Risk Assessment Methods (Optional – Include if Appropriate)**

- Whether EPA’s standardized risk assessment methodologies or guidance have changed in a way that could affect the protectiveness of the remedy

**Changes in Exposure Pathways (Optional – Include if Appropriate)**

- Whether current or reasonably anticipated future land use on or near the site has changed or may change in the near future (including redevelopment or changed resource use)
- Whether human health or ecological routes of exposure or receptors have been newly identified or changed in a way that could affect the protectiveness of the remedy
- Whether there are newly identified contaminants or contaminant sources leading to a potential/actual pathway not previously addressed by the remedy
- Whether there are unanticipated toxic byproducts or daughter products of the remedy not previously addressed by the decision documents
- Whether physical site conditions or the understanding of these conditions have changed in a way that could affect the protectiveness of the remedy

**Expected Progress Towards Meeting RAOs (Optional – Include if Appropriate)**

- Whether the remedy is progressing as expected towards meeting RAOs
- Whether new site conditions (e.g., discovery of new contaminants) impact RAOs and remedy protectiveness

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

- **Important Note:** To avoid unnecessary duplication and redundancies, the information included in Question C normally should be different from information which has already been covered in Questions A & B.
- This question normally covers whether there are impacts from natural disasters
- This question may address site changes or vulnerabilities that may be related to climate change impacts not apparent during remedy selection, remedy implementation or O&M (e.g., sea level rise, changes in precipitation, increasing risk of floods, changes in temperature, increasing intensity of hurricanes and increasing wildfires, melting permafrost in northern regions, etc.).

**VI. ISSUES/RECOMMENDATIONS**

Issues/Recommendations
<b>OU(s) without Issues/Recommendations Identified in the Five-Year Review:</b>
List OU's with no issues/recommendations here, or state 'none'

- Normally, issues/recommendations should not be added into the table(s) below if they don't affect either current and/or future protectiveness. Items included in the table(s) will be tracked in SEMS.
- Items may be included in the 'OTHER FINDINGS' section below the table (see below) if you wish to discuss additional information in the report.
- To add additional issues/recommendations here, copy and paste the below table as many times as necessary to document other issues/recommendations identified in the FYR report.

<b>Issues and Recommendations Identified in the Five-Year Review:</b>
---

<b>OU(s):</b>	<b>Issue Category:</b> Choose an item <i>Note: If 'other' is chosen, please provide an explanation in this box.</i>			
	<b>Issue:</b>			
	<b>Recommendation:</b>			
<b>Affect Current Protectiveness</b>	<b>Affect Future Protectiveness</b>	<b>Party Responsible</b>	<b>Oversight Party</b>	<b>Milestone Date</b>
Choose an item	Choose an item	Choose an item	Choose an item	Click here to enter a date

**OTHER FINDINGS**

- *If there are items that you wish to include in the FYR report but should not be tracked as formal issues and recommendations affecting current and/or future protectiveness, please utilize the text below.*

In addition, the following are recommendations that were identified during the FYR and (may improve performance of the remedy, reduce costs, improve management of O&M, accelerate site close out, conserve energy, promote sustainability, etc.), but do not affect current and/or future protectiveness:

- *List items*

**VII. PROTECTIVENESS STATEMENT**

- *Each individual OU protectiveness determination and statement should be included here.*
- *Guidance on wording for the protectiveness statement can be found in the memo titled “[Clarifying the Use of Protectiveness Determinations for Comprehensive Environmental Response, Compensation, and Liability Act Five-Year Reviews](#)” (September 13, 2012)*
- *If you need to add more protectiveness determinations and statements for additional OUs, copy and paste the table below as many times as necessary to complete for each OU evaluated in the FYR report.*
- *Per the 2001 FYR Guidance (p. 4-14), the planned addendum completion date field normally should be entered if there is a “deferred protectiveness” determination for at least one OU. Otherwise, it may be deleted.*

Protectiveness Statement(s)		
<i>Operable Unit:</i>	<i>Protectiveness Determination:</i> Choose an item	<i>Planned Addendum Completion Date:</i> Click here to enter a date
<i>Protectiveness Statement:</i>		

- *For sites that have achieved Construction Completion, a sitewide protectiveness determination and statement normally should be entered in the table below.*
- *If the site has not met the Construction Completion milestone, then generally the table below should be deleted.*
- *Per the 2001 FYR Guidance (p. 4-14), the planned addendum completion date field normally should be entered if there is a “deferred protectiveness” determination for at least one OU (or if the Region is planning to conduct a FYR addendum for some particular reason). Otherwise it may be deleted.*

Sitewide Protectiveness Statement	
<i>Protectiveness Determination:</i> Choose an item	<i>Planned Addendum Completion Date:</i> Click here to enter a date
<i>Protectiveness Statement:</i>	

## VIII. NEXT REVIEW

- *Generally one of the two options below should be included in the report (and the one that is not chosen should be deleted).*

The next five-year review report for the **Site name** Superfund Site is required five years from the completion date of this review.

**OR**

No further five-year reviews are planned for the **Site name** Superfund Site because all site-impacted media have reached UU/UE.

## APPENDIX A – REFERENCE LIST

- *All relevant documents which were reviewed for this FYR, such as O&M records and monitoring data, should be included here.*
- *Relevant document location information, such as website addresses, should be included for referenced documents.*

## OTHER APPENDICES

- *Other optional appendices may include information such as:*
  - *Site Background*
  - *Site Chronology*
  - *Site Inspection Checklist*
  - *Site Maps*
  - *Photos (only include photos that help inform the remedy protectiveness evaluation, such as a photo of a breach in a retaining wall)*
  - *Review of ARARs*
  - *Additional data or statistical analyses*
  - *Interview results/notes*
    - *Note: Unless you have received permission from interviewees that it is OK to include their name and any other information in the five-year review, do not include this information.*
  - *Conceptual site model(s)*