



Overview of Changes to the Rocky Flats Plant Site Profile

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Rocky Flats Plant Work Group Meeting

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Overview

- Provide a summary of the major changes to the Rocky Flats Plant (RFP) Site Profiles
 - RFP – Introduction, Rev. 02, 8/04/2020
 - RFP – Site Description, Rev. 02, 8/20/2020
 - RFP – X-ray, Rev. 03, 8/19/2019
 - RFP – Occupational Environmental Dose, Rev. 03, 9/02/2020
 - RFP – Occupational Internal Dose, Rev. 04, 9/01/2020
 - RFP – Occupational External Dose, Rev. 03, 1/14/2019
- Provide a status of the revision of the RFP internal co-exposure model.

Summary of changes to RFP TBDs

RFP TBD - Introduction

- No substantive change other than indicating that the other sections of the site profile were revised due to Advisory Board comments and items associated with SEC-00192
- Identified current SEC classes associated with Rocky Flats and feasibility limitations

RFP TBD – Site Description

- No substantive changes
- Updated to reflect Advisory Board comments and items associated with SEC-00192
- Identified current SEC classes associated with Rocky Flats and feasibility limitations
- Updated references

RFP TBD – X-rays

- Updated to reflect Advisory Board comments and items associated with SEC-00192
- Identified current SEC classes associated with Rocky Flats and feasibility limitations
- Updated X-ray doses based on information presented in ORAUT-OTIB-0006, Revision 05
- Updated references

RFP TBD – Occupational Environmental Dose (1 of 2)

- Updated to reflect Advisory Board comments and items associated with SEC-00192
- Identified current SEC classes associated with Rocky Flats and feasibility limitations
- Added impact discussion on FBI raid in 1989
 - Information from white paper developed and issued (2015) during SEC review

RFP TBD – Occupational Environmental Dose (2 of 2)

- Updated internal intakes for consistency with external assumption
 - Occupancy time updated
- Updated onsite ambient values
- Attachment B was deleted
 - Already discussed in a previous section
- Updated references

RFP TBD – Occupational Internal Dose (1 of 2)

- Updated to reflect Advisory Board comments and items associated with SEC-00192
- Identified current SEC classes associated with Rocky Flats and feasibility limitations
- Updated annotations and attributions
- Updated references
- Updated co-exposure study
 - capture data from OCAS-TIB-0014
 - Added intake rates for type SS plutonium

RFP TBD – Occupational Internal Dose (2 of 2)

- Changed guidance for post-1989 plutonium mixtures to only assume 10 year aged
- Incorporated white papers associated with SEC-000192
 - Potential exposure from neptunium
 - Possible presence of magnesium-thorium alloys
 - Exposure to tritium
 - Exposure from the critical mass lab, and
 - Impact of the FBI raid

RFP TBD – Occupational External Dose (1 of 2)

- Updated to reflect Advisory Board comments and items associated with SEC-00192
- Identified current SEC classes associated with Rocky Flats and feasibility limitations
- Updated references
- Updated attributions and annotations

RFP TBD – Occupational External Dose (2 of 2)

- Incorporated whitepapers associated with Gamma cell 220 cobalt-60 irradiator
- Added additional guidance on
 - The application of co-exposure dose
 - Dosimetry gap analysis, and
 - Interpretation of external dosimetry record notations

Status of Revising Rocky Flats Co-exposures

RFP Co-exposure study status

- Rocky Flats co-exposure models being updated in accordance with IG-006, *Criteria for the Evaluation and Use of Co-exposure datasets*
- Rocky Flats Internal co-exposure update has started
 - Being worked during downtime of other co-exposure updates
 - Do not have a good completion estimate
- Do not have a good date for the start of the external co-exposure model

Questions?

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.