

Review Title [Edit](#) 52826 — Triennial assessment of Fermilab Radiation Protection Program

Led By —

Performed On FERMILAB — Fermi National Accelerator Laboratory

Review Category Division/Section/Project Self-Assessment

Review Sub-category Assessments

Start Date 03/10/2020

End Date 05/15/2020

Review Description Partial internal triennial assessment of Fermilab compliance to 10 CFR 835 (Code of Federal Regulations, Title 10, Chapter III, Part 835), Occupational Radiation Protection, Subparts E, I, J, and N.

Participants	AD	Compton, Joe
	ES	Schmitt, Wayne
	LBNFDUNE/LBNF	Newhart, Duane
	PPD	Hahn, Dee

Details For Item #103916 — Investigate methods for obtaining bioassay services from commercial entity

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Item Type Recommendation

Item Category ESH

Management System Environment Safety and Health

Status CLOSED 11/16/2020

Item Description As a fall-back position, investigate alternative methods for obtaining bioassay services commercially to address §835.402(c).

Date Found 05/15/2020

Due Date 11/15/2020

Found In ES — Environment, Safety and Health Section

Risk Code 3 — Moderate

Hazard Severity 4 — Low

Human Injuries or temporary, reversible illnesses not resulting in hospitalization with lost time

Environmental Isolated and minor, but measurable, impact(s) on some component(s) of a public resource

Compliance Programmatic noncompliance with the Lab's Work Smart set

Property Minor property damage or critical program component; (\$50,000 - \$1,000,000 total cost)

Mishap Probability C — Occurring not more than once in ten years

Responsible Parties

1 - Michael Vincent (ES) CLOSED: 11/16/2020

1 - Wayne Schmitt (ES) CLOSED: 11/09/2020

Action Plans / Responses

Action Plan / Response Title Investigate availability of commercial bioassay services

Scheduled Date 11/15/2020

Close Date 11/16/2020

Action Plan Description Briefly investigated option of using GEL Labs for bioassay.

Response / Action Plan Resolution Decided to continue using Argonne for bioassay/internal dosimetry services.

AP/R Owner Michael Vincent

Action Plan / Response Title Renew bioassay dosimetry contract with ANL

Scheduled Date 11/14/2020

Close Date 11/09/2020

Response / Action Plan Resolution Evaluation of dosimetry bioassay services from outside vendors has been conducted by the Dosimetry Program Manager. The Fermilab Senior Radiation Safety Officer has instructed the Dosimetry Program Manager to proceed with renewing the previous agreement with Argonne National Laboratory for these services.

AP/R Owner Wayne Schmitt

Details For Item #103917 — Add an item to Radiological Worker (FN000470/CR/01) training to describe escort responsibilities

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Item Type Recommendation

Item Category ESH

Management System Environment Safety and Health

Status CLOSED 07/20/2020

Item Description Add an item to Radiological Worker (FN000470/CR/01) training that clearly states expectations of trained workers when escorting an untrained individual(s) within a radiological area to address §835.901(d)(2).

Date Found 05/15/2020

Due Date 11/15/2020

Found In ES — Environment, Safety and Health Section

Risk Code 0 — Uncategorized

Hazard Severity 4 — Low

Human Injuries or temporary, reversible illnesses not resulting in hospitalization with lost time

Environmental Isolated and minor, but measurable, impact(s) on some component(s) of a public resource

Compliance Programmatic noncompliance with the Lab's Work Smart set

Property Minor property damage or critical program component; (\$50,000 - \$1,000,000 total cost)

Mishap Probability 0 — Does Not Apply

Responsible Parties

1 - Wayne Schmitt (ES) CLOSED: 07/20/2020

1 - Kathy Graden (ES) CLOSED: 07/20/2020

Action Plans / Responses

Action Plan / Response Title Add items to Radiological Worker training to better describe escort responsibilities

Scheduled Date 11/15/2020

Close Date 07/20/2020

Action Plan Description Revise Radiological Worker training classroom (virtual) to include responsibilities of rad workers who escort untrained individuals.

Response / Action Plan Resolution Radiological Worker training (FN000470) classroom (virtual) was revised to include responsibilities of rad workers who escort untrained individuals.

AP/R Owner Kathy Graden

Action Plan / Response Title Approve Kathy Graden action

Scheduled Date 11/15/2020

Close Date 07/20/2020

Response / Action Plan Resolution Item has been added to Radiological Worker training to describe escort responsibilities.

AP/R Owner Wayne Schmitt

Details For Item #103918 — Add an item to FRCM Article 922 concerning Fermi Site Office (FSO) notification

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Item Type Recommendation

Item Category ESH

Management System Environment Safety and Health

Status CLOSED 11/09/2020

Item Description Add an item to FRCM Article 922 concerning Fermi Site Office (FSO) notification to address §835.1301(c).

Date Found 05/15/2020

Due Date 11/15/2020

Found In ES — Environment, Safety and Health Section

Risk Code 3 — Moderate

Hazard Severity 4 — Low

Human Injuries or temporary, reversible illnesses not resulting in hospitalization with lost time

Environmental Isolated and minor, but measurable, impact(s) on some component(s) of a public resource

Compliance Programmatic noncompliance with the Lab's Work Smart set

Property Minor property damage or critical program component; (\$50,000 - \$1,000,000 total cost)

Mishap Probability C — Occurring not more than once in ten years

Responsible Parties

1 - Wayne Schmitt (ES) CLOSED: 11/09/2020

Action Plans / Responses

Action Plan / Response Title Add items to FRCM Article 922 for required FSO notifications

Scheduled Date 11/15/2020

Close Date 11/09/2020

Response / Action Plan FRCM Chapter 9 revision has been drafted for FSO notification after operations

Resolution have been suspended after an Emergency Exposure.

AP/R Owner Wayne Schmitt

Action Plan / Response Title Draft FRCM Chapter 9 revision for FSO notifications

Scheduled Date 11/14/2020

Close Date 11/09/2020

Response / Action Plan FRCM Chapter 9 changes have been drafted to include FSO notification before

Resolution resuming operations after Emergency Exposure.

AP/R Owner Wayne Schmitt

Details For Item #103919 — Add an item to FRCM Article 922 concerning DOE approval

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Item Type Recommendation

Item Category ESH

Management System Environment Safety and Health

Status CLOSED 11/09/2020

Item Description Add an item to FRCM Article 922 concerning DOE approval to address §835.1301(d).

Date Found 05/15/2020

Due Date 11/15/2020

Found In ES — Environment, Safety and Health Section

Risk Code 3 — Moderate

Hazard Severity 4 — Low

Human Injuries or temporary, reversible illnesses not resulting in hospitalization with lost time

Environmental Isolated and minor, but measurable, impact(s) on some component(s) of a public resource

Compliance Programmatic noncompliance with the Lab's Work Smart set

Property Minor property damage or critical program component; (\$50,000 - \$1,000,000 total cost)

Mishap Probability C — Occurring not more than once in ten years

Responsible Parties

1 - Wayne Schmitt (ES) CLOSED: 11/09/2020

Action Plans / Responses

Action Plan / Response Title Add items to FRCM Article 922 for required FSO approvals

Scheduled Date 11/15/2020

Close Date 11/09/2020

Response / Action Plan Resolution FRCM Chapter 9 revisions have been drafted for FSO approval before resuming operations after an Emergency Exposure.

AP/R Owner Wayne Schmitt

Action Plan / Response Title Draft FRCM Chapter 9 revision for FSO approvals

Scheduled Date 11/14/2020

Close Date 11/09/2020

Response / Action Plan Resolution FRCM Chapter 9 revisions have been drafted for FSO approval before resuming operations after an Emergency Exposure.

AP/R Owner Wayne Schmitt
