

Fermilab

Radiological Work Permit No. AD-20-152

Area Name

Booster

Permit Type Job-Specific

Issue Date Oct 16, 2020

Issue Time 11:21 AM

Expiration Date Nov 30, 2020

Description of Work

Retrieve 3 fast loss monitors from L6 and L7.

Access Type

- Controlled Access
- Supervised Access
- Open Access
- Other - Secured Area
- N/A

Basic Work Area Conditions

See General RWP

Additional Work Area Conditions

None

Area Posting

Radiation Area - Enclosure

High Radiation Area - Local Posting

Contamination Area - Local Posting

Time Limits

None

Dose Limits

100 mrem per week and 1500 mrem per year are administrative control limits

Work Documents

None

Dosimetry Requirements

- None Required
- Dosimetry Badge
- Pocket Dosimeter
- Ring Badge
- Digidose
- See Special Requirements

Basic Training Requirements

Radiological Worker

Other Training Requirements

None

Portable Survey Instruments

- None Required
- LSM
- Ludlum 14C
- E140N/Portable Frisker
- Minimeter
- Teletector
- Bicron Analyst
- See Special Requirements

Minimum Personal Protective Equipment

- None Required
- Gloves
- Shoecovers
- Labcoats
- Coveralls
- Hood
- Eye Protection
- Respiratory Protection
- See attached instructions
- See special requirements

Additional Instructions

- Notify ESH&Q Prior to Work
- Rad Tech Coverage Required
- Review Survey Map
- Pre-Job Briefing
- Personal Frisk on Exit
- Survey & Label Materials on Exit
- Post-Job De-Briefing
- No Eating, Drinking, Smoking
- See Special Requirements

SPECIAL REQUIREMENTS

Radiation Safety RCT(s) will conduct radiation safety surveys as necessary, will provide supplemental dosimetry as necessary and provide instructions for placement. Take precautions to prevent the spread of contamination, wear PPE as directed by the RCT. All activated components are assumed to be contaminated. Dispose of PPE as directed by the RCT.

Prepared By

Susan McGimpsey

RSO Authorization

Names of Workers, Signatures, and Further Instructions

Name of Worker	Fermi ID	Worker Signature and Date
Joel Fulham	9634	Joel Fulham 10-21-20
John Kucharik	14612	John Kucharik 10-21-20
Salah Chaouiri	9233	Salah Chaouiri 10-21-20
Rick Tesarik	12680	Rick Tesarik 10/21/2020

Further Instructions

None



Radionuclide Analysis Facility
Gamma Analysis Report
Issued by Jayson W. Hext

Report Date: October 23, 2020
Work Request #: 20-318
Submitted by: Joel Fulgham on 10/21/20
Workbook: HPG#3-11, page(s) 32

Booster

The ESH Section/RPO/RCT Team submitted 3 wipe samples on Work Request# 20-318 for analysis of accelerator produced radionuclides. Each sample was counted on detector HPG#3. The following table lists the radionuclides detected in the samples along with the corresponding specific activities. If a sample activity was reported, it has been corrected to the time of sampling.

SampleID#	Sample Time	Location	Container	Count Info	Unit	Count Date	Radionuclide	Activity (pCi/Sample)
201021JF01	10:40	FLM L7	Glassine Envelope	3600sec @ 4cm	Wipe	10/22/20 @ 8:59	---	None Detected
201021JF02	10:45	FLM 6B	Glassine Envelope	3600sec @ 4cm	Wipe	10/22/20 @ 10:09	---	None Detected
201021JF03	10:50	FLM 6A	Glassine Envelope	3600sec @ 4cm	Wipe	10/22/20 @ 11:12	Be-7	200 ± 40

cc: ESH/RPO/RCT Distribution List
ESH/RPS/RAF Distribution List

Post-Job Critique and Analysis

Should include comments on such factors as:

Written by: *Joel Fulgham*

Reviewed by: *Sue McGimpsey*

Doses actually received versus anticipated doses, whether ALARA goals were met, whether work procedures and controls were adequate, and suggestions for improvements

Work was completed on 10/21/20. The loss monitors were retrieved and a wipe taken on each monitor and submitted to RAF for analysis. The monitors are stored in the Hot Shop in a rad bag labeled FLM for Rick T. a waiting results from RAF before being released.

<i>Name</i>	<i>Dose</i>
<i>Tesarck</i>	<i>4</i>
<i>Chaurize</i>	<i>4</i>
<i>Kuharick</i>	<i>2</i>
<i>Fulgham</i>	<i>1</i>
<i>Total</i>	<i>11 person-mrem</i>

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