

ACCELERATOR DIVISION DEPARTMENTAL PROCEDURE
ACCELERATION OPERATIONS DEPARTMENT

ADDP-OP-0001

AP0 HIGH AIRBORNE RADIATION EMERGENCY RESPONSE

MCR

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AD Operations Department

APPROVED BY *Todd Sullivan* DATE 04/17/2023
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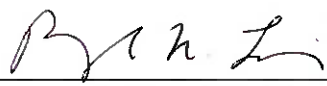
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REVIEW AND CONCURRENCE RECORD

REVIEWED BY  DATE 4-17-2023
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REVIEWED BY  DATE 5/4/2023
Benjamin Russell
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Author	Description of Change	Revision Date
Joe Compton	In section 3.1.6, removed the 30 minute wait for the RSO to determine if there is an actual emergency.	4/13/23
Joe Compton	Cleared up grammar in the Instructions section. Added section 3.1.6 Added the name of the attachment in the note in section 3.1.5 and the table of contents. Added the link in the Distribution section. Added part c in section 3.1.4 Added part c in section 3.1.5	5/16/22
Walter Kissel	Updated required procedure format. Added flow chart.	3/25/21

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ATTACHMENT 1: AP-0 HIGH AIRBORNE RADIATION EMERGENCY
RESPONSE.....1

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1.0 PURPOSE AND SCOPE

The purpose of this Accelerator Division Departmental Procedure (ADDP) is to establish and define Fermilab Accelerator Division Operations Department Main Control Room (MCR) response to an AP0 Airborne Radiation Emergency.

2.0 RESPONSIBILITIES

2.1 Crew chief or designee shall initiate response by following included instructions.

2.2 Operators in the MCR shall follow the following included instructions.

3.0 INSTRUCTIONS

3.1 Receive a Report/indication of AP0 High Airborne Radiation

3.1.1 Halt beam to Muon Campus

3.1.2 Turn off the following Pulsed Devices:

- a. **D:LENS**
- b. **D:PMAG**

3.1.3 Dispatch field team to AP-0 with a hand held radio

3.1.4 Start a once+ plot of ACNET device **D:ARM1** until the issue is resolved.

3.1.5 Print Hardcopy of ACNET pages:

- a. M12_AIR<3>
- b. M12D_LENS<1,2,3>
- c. Lumberjack plot 1 week of: D44 MUON file "AP0 AIR"

3.1.6 Visually verify, from the Keylogger, if any AP0 keys have been issued. If there are keys issued, notify the Ops Remote Team of the names of personnel who have been issued keys.

3.1.7 Ensure the following people have been informed:

- a. Muon Campus area Radiation Safety Officer (RSO). 3.
- b. The Security Operation Center (emergency dispatch) shall be informed.
- c. Fermilab Fire Department (FFD)
- d. AD Division Safety Officer (DSO)

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- e. AD Beams Division Head
- f. Operations Department Head
- g. Muon Campus Department Head
- h. Muon Campus Machine Coordinator

- 3.1.8 If determined to be a real alarm by the RSO, beam operations to Muon Campus shall not be resumed until authorization is granted by the AD Beams Division Head and the Muon Campus area RSO.

Note: Attachment 1: AP0 High Airborne Radiation Emergency Response - MCR flow chart listing the steps of this procedure are attached to this procedure.

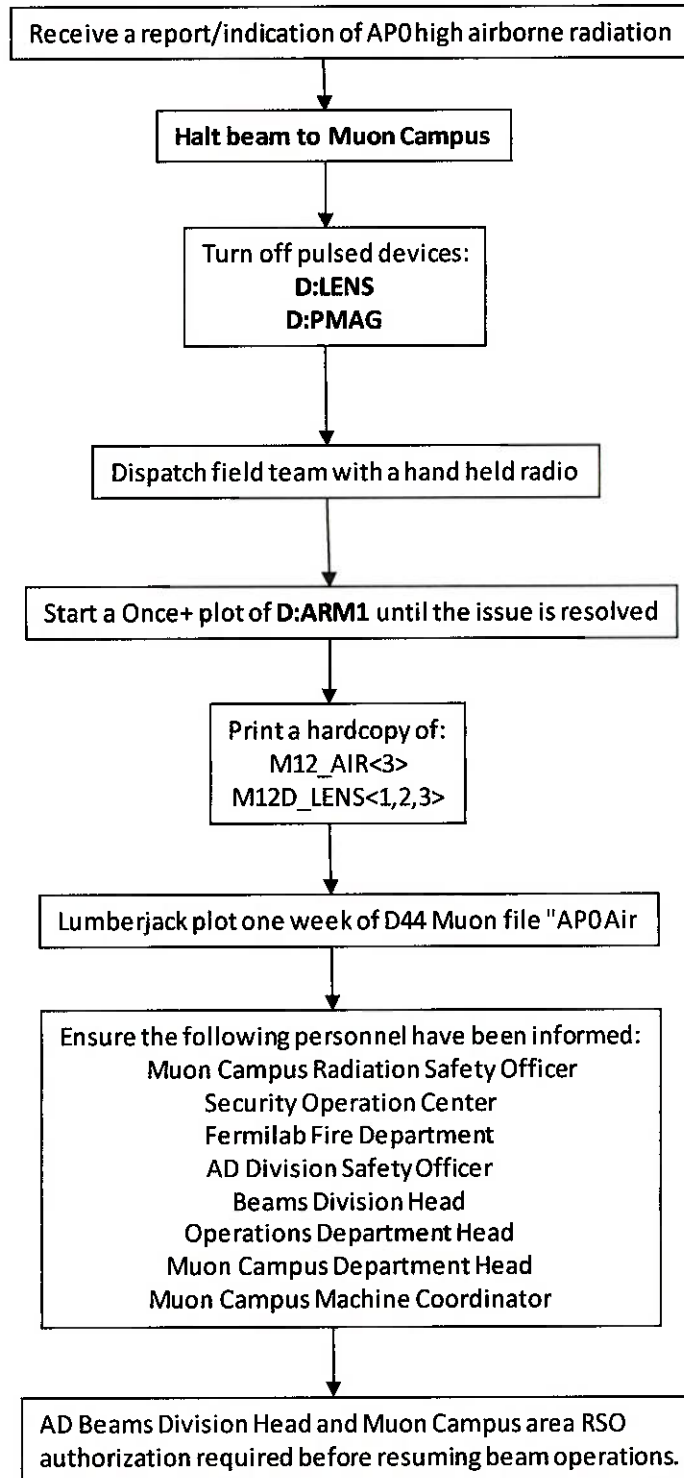
4.0 **DISTRIBUTION**

- 4.1 An electronic controlled copy of this procedure is maintained on the AD Operations website at: <https://operations.fnal.gov/ops/addp.html>.

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AP-0 High Airborne Radiation Emergency Response - MCR



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