

SC--BSO-LBL-MSD-2013-0001

UPDATE

Occurrence Report

After 2003 Redesign

Material Sciences Division

(Name of Facility)

Laboratory - Research & Development

(Facility Function)

Lawrence Berkeley National Laboratory

Lawrence Berkeley National Lab

(Site)

(Contractor)

Name: Jeffrey Neaton

Title: Acting Division Director

Telephone No.: (510) 486-4527

(Facility Manager/Designee)

Name: MOU, FLORENCE P.

Title: SENIOR ADMINISTRATOR

Telephone No.: (510) 486-7872

(Originator/Transmitter)

Name:

Date:

(Authorized Classifier (AC))

1. Occurrence Report Number: SC--BSO-LBL-MSD-2013-0001

Unsafe Homemade Electrical Apparatus In a Research Laboratory - No Injuries

2. Report Type and Date: UPDATE

	Date	Time
Notification:	03/22/2013	15:03 (ETZ)
Initial Update:	05/06/2013	12:03 (ETZ)
Latest Update:	05/06/2013	12:03 (ETZ)
Final:		(ETZ)

3. Significance Category: 3**4. Division or Project:** Materials Sciences Division (MSD)**5. Secretarial Office:** SC - Science**6. System, Bldg., or Equipment:** Building 66 Room 411 UV Light**7. UCNI?:** No**8. Plant Area:** B66-411**9. Date and Time Discovered:** 03/20/2013 13:00 (PTZ)**10. Date and Time Categorized:** 03/20/2013 16:30 (PTZ)**11. DOE HQ OC Notification:**

Date	Time	Person Notified	Organization
NA	NA	NA	NA

12. Other Notifications:

Date	Time	Person Notified	Organization
03/20/2013	18:36 (PTZ)	Kevin Hartnett	BSO
03/20/2013	18:36 (PTZ)	Mary Gross	BSO

13. Subject or Title of Occurrence:

Unsafe Homemade Electrical Apparatus In a Research Laboratory - No Injuries

14. Reporting Criteria:

2E(2) - Any unexpected discovery of an uncontrolled electrical hazardous energy source (e.g., live electrical power circuit, etc.). This criterion does not include discoveries made by zero-energy checks and other precautionary investigations made before work is authorized to begin.

15. Description of Occurrence:

On 03/20/2013 at around 1300 hours, during a laser audit follow-up inspection in Building 66 room 411, the Materials Sciences Division(MSD) safety manager noticed what appeared to be an electrically unsafe homemade power supply which also served as a UV light source. He immediately unplugged the apparatus and discussed the issue with the student who was working in the laboratory at the time, with the instruction that the apparatus was not to be used until it could be inspected and rebuilt.

The safety manager then contacted the Lab's Electrical Safety Program manager who inspected the apparatus and determined that hazardous voltage (120 VAC) was present when it was in use. The apparatus had not been entered into LBNL's electrical equipment inspection database and had not been approved for use by the Authority Having Jurisdiction(AHJ). The Program manager removed the apparatus and took it back to his office for further evaluation.

16. Is Subcontractor Involved? No

17. Operating Conditions of Facility at Time of Occurrence:

Indoors, Lighted, Dry

18. Activity Category:

12 - Research

19. Immediate Actions Taken and Results:

- The safety manager immediately unplugged the apparatus.
 - The safety manager notified the electrical safety program manager who inspected and determined that the apparatus was unsafe as fabricated.
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20. ISM:

3) Develop and Implement Hazard Controls

21. Cause Code(s):

22. Description of Cause:

23. Evaluation (by Facility Manager/Designee):

05/06/2013 UPDATE:

Due to scheduling difficulties, the final interview for this investigation was completed on 05/02/2013. Additional time is required to evaluate the findings and prepare the report. LBNL is requesting a 45-day extension to submit the ORPS final report on 06/20/2013.

24. Is Further Evaluation Required?: Yes

If YES - Before Further Operation? No

By whom? MSD and EH&S

By when?

25. Corrective Actions

(* = Date added/revised since final report was approved.)

26. Lessons Learned:

27. Similar Occurrence Report Numbers:

28. User-defined Field #1:

29. User-defined Field #2:

30. HQ Keyword(s):

01E--Inadequate Conduct of Operations - Operations Procedure Noncompliance
11I--Other - Visiting Scientist/Researcher or Student Employee
12C--EH Categories - Electrical Safety
14E--Quality Assurance - Work Process Deficiency

31. HQ Summary:

On March 20, 2013, the Materials Sciences Division (MSD) safety manager noticed an apparently homemade power supply which also served as a UV light source during a laser audit follow-up inspection in Room 411, Building 66. The Lab's Electrical Safety Program manager inspected the 120-VAC device and determined it was not in LBNL's electrical equipment inspection database and was not approved for use by the Authority Having Jurisdiction (AHJ).

32. DOE Facility Representative Input:

33. DOE Program Manager Input: