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Los Alamos National Laboratory
Los Alamos, New Mexico 87545

memorandum

TO: D. H. White, MP-4, MS H846 DATE: September 26, 1991

FROM: M. T. Brandt, ADR/EST MAIL STOP/TELEPHONE: A114/7-1600
 R. A. Walters, ADR/BER
 SYMBOL: ADR/MTB-91-50

SUBJECT: WALK-THROUGH INSPECTION REPORT -- MP-4

On September 10, 1991, ADR Staff visited MP-4 to conduct a pre-Tiger Team facility inspection. The ADR inspection team included:

Ron Walters, ADR/BER
Michael Brandt, ADR/EST

The Inspection team was accompanied by Hywel White, MP-4 Group Leader. Significant findings, corrective actions, and names of resources are identified in the summary below.

Labs:

1. Guidance according to the OSHA Laboratory Standard is needed on the proper storage of epoxy and photo chemicals. Contact Oliver Wilton (HS-5). Attachment 1 identifies a possible source of information concerning OSHA regulations, which you might find helpful. Attachment 2 shows some options available for storage of flammable chemicals.
2. Storage of chemicals in dormitory-style refrigerators needs to be evaluated. Contact Oliver Wilton, HS-5.
3. There are several pieces of beryllium stored in a closet in the Temple University Lab. Refer to AR 6.7 and contact Oliver Wilton (HS-5) about proper labeling and handling of beryllium since it is a known carcinogen.
4. Local exhaust is required for the isobutane and argon used in an experiment in Laboratory C133 (Electronics Lab). Contact Mike Barnes (MP-1, LOB Building Manager) for assistance in obtaining local exhaust ventilation. Brad Gallimore (HS-5) can provide technical assistance in ventilation design.
5. Radiation sources need to be labeled in the cabinet (Equipment Test Laboratory).

Simulator Light Pipe Shop:

Satellite storage for waste materials must be standardized according to Laboratory requirements. Refer to Attachment 3 for guidance. If you have additional questions, contact Tony Grieggs (EM-8).

Neutrino Cave:

1. Labeling of small chemical containers containing sodium iodide needs to be improved. Contact Oliver Wilton (HS-5) for labelling requirements under OSHA's Laboratory Standard.

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The following violations were noted on this inspection and are being reported to the appropriate regulatory agency.

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2. Lack of housekeeping, formality, and discipline in general were observed. This needs to be corrected. Specifically, hazard assessment documentation in the form of a standard operating procedure (SOP), special work permits, or radiation work permits must be prepared and available.

General Comments:

1. During an inspection, the Surface Water Quality Bureau of the New Mexico Environment Department (NMED) discovered an unpermitted discharge into the TA-53 lagoons. The source of this discharge must be identified and controlled [refer to the attached letter (Attachment 4) to Michael Brandt from Mike Saladen, EM-8]. The source is unknown at this time. However, every effort should be made to eliminate any potential for an unauthorized discharge into drains which may lead to the TA-53 lagoons.
2. An environmental compliance check list is included for your use (See Attachment 5). This may help you to identify other ES&H areas that still need corrective action.
3. This inspection was intended to look at the obvious problems; your documentation was not considered, nor were your management systems evaluated. You can expect the Tigers to pursue these areas. Should you have any questions, please contact me at 7-1900.

MTB:cam

- Attachments:
1. FastRegs/OSHA software
 2. Safety Storage Cabinets
 3. ADR/MTB-91-58 Summary of Requirements for Hazardous Waste Satellite Accumulation Areas
 4. Memo EM-8:91-265 on the New Mexico Environmental Division inspection of TA-53 lagoons
 5. Environmental compliance checklist

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Information Copy--Without Attachments:

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