



JOINT COMPANY-UNION SAFETY COMMITTEE



January 15, 1997

TO: [REDACTED]
Rad Health Labs
Building 123
Ext. [REDACTED]

FROM: *MA*
M. P. Giacomini / T. J. Tegeler
Joint Company/Union Safety Committee
Building T452B / Building T690G
Ext. 7620 / Ext. 5800

SUBJECT: VERIFICATION OF IMPLEMENTATION - SAFETY CONCERN NUMBER 94-064
POTENTIALLY CONTAMINATED ITEMS

The Joint Company/Union Safety Committee (JCUSC) has verified implementation of the subject safety concern and has closed the concern. Attached is the verification form.

Thank you for participating in the safety concern process.

Attachment:
As Stated

CC:
J. R. Cable
R. S. Martinez
D. L. McCoy
D. D. Melton
C. Trice
C. M. Wise
PATS

JCUSC VERIFICATION / CLOSURE FORM

Check One: Verified Complete Reopened

ISP # _____ JCUSC # 94-064 ORIGIN OF FINDING JCUSC _____

ACTION RESPONSIBILITY ASSIGNED TO: C. Trice

STATEMENT OF FINDING: _____

Potentially Contaminated Items

EXPLANATION OF VERIFICATION:

Does the action plan address the intent of the resolution letter? Yes No

EXPLANATION OF CLOSURE: _____

Procedure ROT 4.01 requires special counting if the air sample exceed 500 dpm. (eff 7-95)

Notification is being given to Radiological Engineering at 10% DAC. This is below the limit specified in ROT 4.01

Radiological Operations have been notified of elevated samples and RDRs generated (example attached)

VERIFICATION BY: D.L. McCoy _____ DATE: 1-8/97
Union Investigator Print Name Signature

VERIFICATION BY: W.D. STETSON _____ DATE: 1-7-97
Company Investigator Print Name Signature

APPROVED BY: Ted Tegeter _____ DATE: 1-14-97
Union Co-Chair Print Name Signature

APPROVED BY: M.P. Griacomini _____ DATE: 1/16/97
Company Co-Chair Print Name Signature

Distribution:

Commitments Tracking Group - T130G
Joint Company/Union Safety Committee - T452B / T690G

COPY

RADIOLOGICAL DEFICIENCY REPORT

Page 1 of _____

RDR #: _____

Rocky Flats Environmental Technology Site

Commitment # _____

1. ORIGINATOR:

Name: <u>M. J. Fiorini</u>	Employee # <u>511883</u>	Signature: <u>[Signature]</u>	Ext/Page: <u>2345/3343</u>
Job / Classification: <u>RCJ II</u>	Organization / Company: <u>Dyncorp</u>	Building: <u>549</u>	Report Time / Date: <u>1200 / 8-16-96</u>
Event Time / Date: <u>0847 / 8-16-96</u>	Building / Location: <u>133 Rm 163</u>	Event Code(s) (see reverse): <u>4a + 4e</u>	
Description of radiological posting(s): <u>Radioactive Material</u>			
Protective clothing worn: <u>Surgeon gloves, modesty clothes</u>			
Evolution(s) in progress: <u>Counting airheads on RWP # 96-549-0049</u>			
Individuals Involved: (When this section is completed, this form becomes SENSITIVE INFORMATION under the Privacy Act).			
Name: <u>Leonard Moorman</u>	Employee #: <u>510618</u>	Organization: <u>K-H Labs</u>	Job / Classification: <u>Lab Tech</u> Supervisor: <u>X2490 Conrad Trice</u>
Description of Deficiency: (Include documentation; RWPs, radiological survey results, etc.): <u>While doing routine counting of air heads, one airhead #26 Route AA bldg 707 came up high on count, 750% dac.</u>			
Immediate Corrective Actions: <u>Sealed in bag, counted on a Sac-4, a 1985 dpm, Rebagged, 707 transported it back to 4314g</u>			

2. RO FOREMAN REVIEW:

Name: <u>[Signature] T. H. Fisher</u>	Employee #: <u>512670</u>	Signature: <u>[Signature]</u>	Date: <u>8/16/96</u>
---------------------------------------	---------------------------	-------------------------------	----------------------

3. FACILITY MANAGER:

Name: _____	DOE CATEGORIZATION: <input type="checkbox"/> Unusual Occurrence <input type="checkbox"/> Emergency <input type="checkbox"/> Off - Normal <input type="checkbox"/> Internally Reportable <input type="checkbox"/> Not Applicable
Occurrence Report # _____	Signature: _____ Date: _____

4. RESPONSIBLE MANAGER:

Name: _____	Employee #: _____	Signature: _____	Date: _____
Organization #: _____	Director Name: _____	Target completion date: _____	Revised date: _____
Completion Summary: _____			
Apparent Cause Category: <input type="checkbox"/> Personnel <input type="checkbox"/> Procedure <input type="checkbox"/> Management System <input type="checkbox"/> Equipment <input type="checkbox"/> Training <input type="checkbox"/> Planning <input type="checkbox"/> Communications <input type="checkbox"/> Other _____			
I have corrected this RDR and recommend close out. Name: _____		Signature: _____	Date: _____

5. RDR ADMINISTRATOR:

Actions have been reviewed, close out is: <input type="checkbox"/> Satisfactory, <input type="checkbox"/> Unsatisfactory, <input type="checkbox"/> Returned to the Responsible Manager (Date: _____).			
Name: _____	Employee #: _____	Signature: _____	Date: _____



JOINT COMPANY-UNION SAFETY COMMITTEE

Date: January 27, 1995

To: [REDACTED], Rad Health Labs, Building 123, Ext. [REDACTED]

From: D. D. Melton, Joint Company/Union Safety Committee,
Building T452B, Ext. 5130
D. L. McCoy, Joint Company/Union Safety Committee,
Building T690G Ext. 5298

SUBJECT: RESOLUTION OF SAFETY CONCERN 94-064 POTENTIALLY
CONTAMINATED ITEMS

The Joint Company/Union Safety Committee (JCUSC) has investigated the concern mentioned above.

Air-Heads were arriving at building 123 over the required radiological limits. Radiological Engineering and Radiological Operations have been monitoring this issue. The resolution for this concern is as follows: Radiological Operations department will adhere to Radiological Operations Instruction (ROI) ROI 4.1, when air-heads are shipped to building 123. If airheads arrive at building 123 above the limit specified in ROI 4.1 the analytical labs in building 123 will notify building Radiological Engineering and Radiological Operations.

The JCUSC considers this concern adequately addressed. Changes to this agreement cannot be made without concurrence by the JCUSC. Thank you for your participation in the safety program. If you have any further problems with this concern, its answer or the implementation, please feel free to contact the JCUSC.


D. D. Melton
Company Safety Representative


D. L. McCoy
Union Safety Representative

cc:
A. J. Asti
R. D. Cantwell
L. J. Light
J. B. Powell
C. Trice
T. J. Tegeler
E. I. Tietenberg
C. M. Wise
PATS



JOINT COMPANY-UNION SAFETY COMMITTEE

November 01, 1995

TO: [REDACTED]
Rad Health Labs
Building 123
Ext. [REDACTED]

FROM: E. I. Tietenberg / T. J. Tegeler
Joint Company/Union Safety Committee
Building T452B / Building T690G
Ext. 7620 / Ext. 5800

SUBJECT: VERIFICATION OF IMPLEMENTATION - SAFETY CONCERN NUMBER 94-065
RADON DECAY

The Joint Company/Union Safety Committee (JCUSC) has verified implementation of the subject safety concern and has closed the concern. Attached is the verification form.

Thank you for participating in the safety concern process.

Attachment:
As Stated

CC:
J. R. Cable
R. S. Martinez
D. L. McCoy
D. D. Melton
C. Trice
C. M. Wise
PATS

JCUSC VERIFICATION FORM

Circle One Verified Complete / Reopen

ISP NO. _____ SAFETY CONCERN NO. 94-065 ORIGIN OF FINDING JCUSC

ACTION RESPONSIBILITY ASSIGNED TO _____

STATE OF FINDING: FURNACE WITH CONTAMINATION. AWAITING FALCON DECAY, NO TRAPOR VENTILATION.

EXPLANATION OF VERIFICATION:

- 1. Does the action plan address the intent of the original finding? yes no _____
- 2. Has the situation described in the finding been adequately improved or corrected?? yes no _____

VERIFICATION DETAIL - Describe the actions taken to reach a disposition on this finding.

NO ACTIONS REQUIRED.

RAD/ENGINEERING EXPLORED/CLARIFIED THE HAZARDS & CHARACTERISTICS OF RADON GAS.

EG&G VERIFICATION BY: M.A. Martinez ^{JL Borden for} m.a. martinez DATE: 10-26-95
 Print Name Signature

UNION SAFETY COMMITTEE
 VERIFICATION BY: A. C. Scarpella A.C. Scarpella DATE: 7/20/95
 Print Name Signature

APPROVED BY: Enn Tietenberg Enn Tietenberg DATE: 10/31/95
 Print Name Signature

APPROVED BY: Ted Tegeler Ted Tegeler DATE: 10-31-95
 Print Name Signature

Distribution:

Operations Monitoring - T130G
 Joint Company/Union Safety Committee - T452B



JOINT COMPANY-UNION SAFETY COMMITTEE

Date: June 9, 1994

To: [REDACTED], Rad Health Labs, Building 123, Ext [REDACTED]

From: D. L. McCoy, Joint Company/Union Safety Committee, Building T690G
Ext. 5298
D. D. Melton, Joint Company/Union Safety Committee, Building T452B
Ext. 5130

SUBJECT: RESOLUTION OF SAFETY CONCERN 94-065, RADON DECAY

The Joint Company/Union Safety Committee (JCUSC) has investigated the concern mentioned above. A meeting to determine a course of action for this concern was held on May 26, 1994.

During the course of the investigation, the building Radiological Engineer clarified the hazards of radon gas to the initiator (see attached).

The JCUSC considers this concern adequately addressed. Changes to this agreement cannot be made without concurrence by the JCUSC. Thank you for your participation in the safety program. If you have any further problems with this concern, its answer or the implementation, please feel free to contact the JCUSC.


D. D. Melton
Company Safety Representative

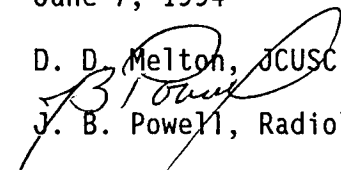

D. L. McCoy
Union Safety Representative

cc:
A. J. Asti
E. A. Christopher
L. J. Light
R. S. Martinez
J. B. Powell
T. J. Tegeler
E. I. Tietenberg
C. Trice
C. M. Wise
PATS

INTEROFFICE CORRESPONDENCE

DATE: June 7, 1994

TO: D. D. Melton, JCUSC, Bldg. T452B, X8847

FROM:  J. B. Powell, Radiological Engineering, Bldg. T690B, X3998

SUBJECT: RADON DECAY OF AIRHEADS IN BUILDING 123 - JBP-030-94

In the Safety Concern 94-065, the concern was raised that the air samples collected in the various areas are brought to Building 123 for radon decay. I spoke with the person filing the concern and told her that the decay presented no health concerns to her. This was due to the fact that radon is a gas and not contained in the filter itself. What is read on the filter is the metal decay products from the radon. Due to the construction of the filter media the ability of these decay products to present a health hazard to an operator is extremely low.

ATTACHMENT 1

INTEROFFICE CORRESPONDENCE

DATE: May 17, 1994

TO: C. Trice, Analytical Laboratories, Bldg. 123, X2490

FROM:  J. B. Powell, Radiological Engineering, Bldg. T690B, X3998

SUBJECT: EVALUATION OF SAFETY CONCERNS #94-064 AND #94-065 - JBP-027-94

REF: (a) ROI 4.1, Rev. 4, Routine Air Sampling
(b) 4-61300-ROI-04.03, Portable Low Volume Air Sampling

On March 2, 1994, a safety concern was addressed over the storage of potentially contaminated airheads in Room 163 of Building 123. It was said that this room in Building 123 did not have the proper engineered controls to handle this type of usage. Radiological Engineering has evaluated the current usage of this room, with emphasis on potential radiological problems.

In accordance with references (a) and (b), air sample filters are collected at various places on plant site and transported to Building 123 for analysis. These air samples are placed in a metal tube at the collection site and then placed in a metal box for transport. These samples are sent to Building 123, Room 163 for analysis. Once there the samples are left for 48 hours to allow for natural airborne radioactivity (mostly radon and thoron progeny) to decay.

Radiological Engineering (RE) evaluated all of the possible pathways that could cause radiation exposure to a worker in this area. Radiation exposure was deemed not to be a potential concern due to the types and energies of the radiation given off by the nuclides that could possibly be trapped in the filter. The only radiations that would be given off by any of the possible decay chains are alpha and low energy beta radiation. Alpha radiation does not pose an external exposure problem and beta radiation would not be able to penetrate the metal tube. Therefore, external radiation exposure is not a potential problem in Room 163 due to the storage and counting of airheads.

Next, RE evaluated the possible pathways for potential exposure to radioactive contamination. The pathways evaluated are direct contact and airborne radioactive contamination. The potential of contamination by direct contact with the filter is extremely slight. The reason for this is how the filter is designed. The filter paper that is used is manufactured such that as the air is drawn through it 99.9% of the particulate matter in the air is trapped in the filter matrix. Since the particles are trapped in the matrix, the possibility that contamination could be removed from the filter paper is extremely remote. Tests performed by RE at the Rock Creek Warehouse demonstrated that filters with count rates between 250 counts per minute (cpm) and 7,500 cpm smeared using normal survey techniques produced no removable contamination. Both references (a) and (b) impose a maximum count rate of 2,500 cpm on a sample filter that is sent

DAC Calculation for Filter Burn

Room Height (H): 12 feet (4 meters)
Room Length (L): 33 feet (11 meters)
Room Width (W): 15 feet (5 meters)
1 meter = 3 feet

Volume = H X L X W
Volume = 4 m X 11 m X 5 m
Volume = 220 cubic meters (m³)

The maximum count rate that is allowed on a filter to be sent to Building 123 by procedure is 2,500 cpm on a Ludlum 12-1A. Based on the calculation in Health and Safety Practice (HSP) 18.10, Table II, Note (1), this equated to an activity of 8,330 disintegrations per minute (dpm).

250 cpm = 833 dpm, therefore 2,500 cpm = 8330 dpm

Assuming a 10% resuspension factor this would equal 833 dpm in the air volume of the room.

$$\frac{833 \text{ dpm}}{220 \text{ m}^3} = 3.79 \text{ dpm/m}_3$$

The Derived Air Concentration for Plutonium-239 (Pu²³⁹) is 4.4 dpm/m³; therefore this accident would produce airborne concentration of less than one DAC. This calculation is extremely conservative. This is based in the fact that the conversion factor for feet to meters was underestimated and the resuspension factor was increased by a factor of 10.

C. Trice
May 17, 1994
JBP-027-94
Page 2

to Building 123. Based upon the above experimental determinations there is little or no possibility that direct contact could pose a health hazard.

The only mechanism for radioactive contamination to become airborne from the filter papers is during a fire in Room 163. The possibility of this occurrence is extremely remote due to the storage of the filters in metal boxes. The conditions of the scenario analyzed by RE is that a filter paper at the maximum count rate allowed by references (a) and (b) is burned. Room 163 was measured by RE and found to contain approximately 220 cubic meters (m^3). This calculation is provided in Attachment 1. With a maximum count rate filter being burned and a 10% resuspension factor, the maximum airborne calculated in the room is still less than one Derived Air Concentration (DAC). This calculation is extremely conservative. A person could breathe air at the DAC for the specific nuclide for 2,000 hours per year and never exceed any exposure limits established for radiation workers.

Radiological Engineering (RE) analyzed the effect of a person inhaling the entire contents of this accident in one short term (acute) exposure. This analysis was based upon a filter burning that was at the limit imposed by references (a) and (b), and one person inhaling the entire amount of contamination. These factors were run by Internal Dosimetry using Code for Internal Dosimetry (CINDY). The result of this analysis shows that the person would receive 11 millirem (mrem) over the first year and a total of 116 mrem over a fifty year period. This fifty-year exposure can be equated to a single year's exposure living in Denver, CO.

Based upon the above analysis, RE has determined that the potential for exposure during normal operations is extremely remote. The analysis also determined that during an emergency the exposure is well within that established by both Federal law and corporate policy for radiation worker exposure.

Attachment:
As Stated

cc:
G. M. Aldrich
E. A. Blush
J. M. Forbes
M. L. Littleton
D. D. Melton
R. M. Richards
R. S. Tyson



JOINT COMPANY-UNION SAFETY COMMITTEE

Date: April 26, 1994

To: Distribution

From: D. L. McCoy, Joint Company/Union Safety Committee
Building T690G, Ext: 5298
D. D. Melton, Joint Company/Union Safety Committee
Building T452B, Ext 5130

**SUBJECT: REQUEST FOR PARTICIPATION IN SAFETY CONCERN
PROCESS: 94-064, POTENTIALLY CONTAMINATED
ITEMS, 94-065, RADON DECAY**

██████████ has filed a safety concern with the Joint Company/Union Safety Committee (JCUSC). The responsibility for resolving safety concerns lies with line management.

The JCUSC requests participation from you or your designated representative in resolving this safety concern. **Please bring all documentation that you have in regards to this issue to this meeting.** The meeting to determine a course of action for this concern has been set for the following:

Date: May 16, 1994

Time: 0900

Location: Conference Room T690G

April 26, 1994
Page 2 of 2

Please contact D. L. McCoy or D. D. Melton to confirm your attendance at this meeting.

The JCUSC appreciates your participation in the safety concern process.

DISTRIBUTION:

A. J. Asti

R. S. Martinez

[REDACTED]

B. Powell

S. D. Thompson

C. Trice

C. M. Wise

CC:

T. J. Tegeler


E. I. Tietenberg



**JOINT COMPANY - UNION
SAFETY COMMITTEE**

March 17, 1994

TO: [REDACTED]
Rad Health Labs
Building 123
Ext. [REDACTED]


FROM: E. I. Tietenberg / T. J. Tegeler
Joint Company/Union Safety Committee
Building T452B / Building T690G
Ext. 7620 / Ext. 5800

SUBJECT: ASSIGNMENT OF SAFETY CONCERN: 94-065
RADON DECAY

The Joint Company/Union Safety Committee (JCUSC) has received your safety concern and assigned the following investigators. They will contact you to discuss this concern.

Company Representative: D. D. Melton Phone:

Union Representative: D. L. McCoy Phone: 5298

CC:
J. R. Cable
W. D. Ewan
R. S. Martinez
D. L. McCoy
D. D. Melton
C. Trice
C. M. Wise
PATS

JOINT COMPANY/UNION SAFETY COMMITTEE CONCERN FORM

THIS FORM IS TO BE USED BY ALL EMPLOYEES ON PLANT SITE.

Mail to: JCUSC, T-690G

(Please mail Blue Copy to JCUSC when the Concern is initiated)

Case No. 94-065

EMPLOYEE NAME [Redacted] EMPLOYEE NUMBER [Redacted]

DEPARTMENT LABS BLDG. 123 PHONE [Redacted] SHIFT DAY

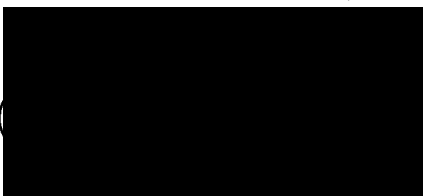
SUPERVISOR (Print) ~~E. Trice~~ R. Martinez SUPV. EXT. 7711

MANAGER REPORTING TO DIRECTOR (Print): C. Trice MANAGER EXT. 2490

I have previously discussed this Concern with Supervision: Yes No.

Concern (briefly) AIRHEADS ARE SETTING 48 Hrs. for The Radon-DECAY IN THE OPEN, WITH NO VENTILATION, NEAR WHERE SEVERAL EMPLOYEES ARE WORKING.

Recommendation (Optional) _____



3-2-94 Chalene M. Wise 3-2-94
Date Steward Signature (If Applicable) Date

Supervision Response (within 5 working days) An The problem has been been addressed. There have been no known problems that exist. An RCT is located in that same Lab that J. Nazzise is concerned about.

Supervision Signature Richard S. Martinez Date 3-4-94
Manager Reporting to Director Chad Trice Date 3-4-94

NOTE: TIMELINESS IN COMPLETING THIS FORM IS OF THE UTMOST IMPORTANCE.

I am satisfied with the results. I am not satisfied.

Brief reason if not satisfied: The RCT doesn't have some sixth sense that they are able to detect airborne radiation without the help of instruments. The problem has NOT been addressed at all. This is a non-answer!

Employee Signature [Redacted] Date 3-4-94

JCUSC received Safety Concern on: 3-12-94

To be completed by the JCUSC Co-Chairperson(s)

Assigned to: Union: M^c Coy Date 3-12-94

Company: D. Melton Date 3-14-94


- Distribution: Safety Committee (White) (Completed Form)
- Union Steward (Yellow)
- Employee (Green)
- Safety Committee (Blue) (When Concern Initiated)



**JOINT COMPANY - UNION
SAFETY COMMITTEE**

March 17, 1994

TO: [REDACTED]
Rad Health Labs
Building 123
Ext. [REDACTED]


FROM: E. I. Tietenberg / T. J. Tegeler
Joint Company/Union Safety Committee
Building T452B / Building T690G
Ext. 7620 / Ext. 5800

SUBJECT: ASSIGNMENT OF SAFETY CONCERN: 94-064
POTENTIALLY CONTAMINATED ITEMS

The Joint Company/Union Safety Committee (JCUSC) has received your safety concern and assigned the following investigators. They will contact you to discuss this concern.

Company Representative: D. D. Melton Phone: 5130

Union Representative: D. L. McCoy Phone: 5130

CC:
J. R. Cable
W. D. Ewan
R. S. Martinez
D. L. McCoy
D. D. Melton
C. Trice
C. M. Wise
PATS

JOINT COMPANY/UNION SAFETY COMMITTEE CONCERN FORM

THIS FORM IS TO BE USED BY ALL EMPLOYEES ON PLANT SITE

Mail to: JCUSC, T-690G

(Please mail Blue Copy to JCUSC when the Concern is initiated)

Case No. 94.064

EMPLOYEE NAME [Redacted] EMPLOYEE NUMBER [Redacted]

DEPARTMENT Rad. Health Labs BLDG. 123 PHONE [Redacted] SHIFT DAY

SUPERVISOR (Print) C. TRICE R. Martinez SUPV. EXT. 9441

MANAGER REPORTING TO DIRECTOR (Print): C. TRICE MANAGER EXT. 2490

I have previously discussed this Concern with Supervision: Yes No.

Concern (briefly) THE 123 LABS HAVE BEEN REPEATEDLY UTILIZED TO STORE AND SURVEY POTENTIALLY CONTAMINATED ITEMS, INCLUDING AIRHEADS SENT THERE WITH KNOW CONTAMINATION. THE LABS HAVE NO AIR SAMPLING DEVICES, NOR ARE THERE HEPA FILTERS ON THE HOOD EXHAUSTS THAT COULD TRAP RADIOACTIVE PARTICLES, AS RCT MANAGEMENT SEEMS TO BELIEVE. BAR ANY RADIOACTIVELY CONTAMINATED ITEM ABOVE Detectable limits.

Recommendation (Optional) BAR ANY RADIOACTIVELY CONTAMINATED ITEM ABOVE Detectable limits.

3/2/94 Date Charlene M Wise Steward Signature (If Applicable) 3-2-94 Date

Supervision Response (within 5 working days) These issues have been addressed before, and Radiological Control is aware of the issues. Radiological dept. has no known problems with the issues mentioned above. An RCT is currently and has been stationed in Lab 163.

Supervision Signature Richard S. Martin Date 3-3-94
Manager Reporting to Director Carl Thie Date 3-4-94

NOTE: TIMELINESS IN COMPLETING THIS FORM IS OF THE UTMOST IMPORTANCE.

I am satisfied with the results. I am not satisfied.

Brief reason if not satisfied: The RCT stationed in 163 has no know ability to detect Radioactivity that may be airborne. This issue has never been addressed before, the problem has been brought to managements attention and completely ignored.

Employee Signat [Redacted] Date 3-4-94

JCUSC received Safety Concern on: 3-12-94

To be completed by the JCUSC Co-Chairperson(s)

Assigned to: Union: M. Coy Date 3.12.94
Company: D. Milton Date 3-14-94

- Distribution: Safety Committee (White) (Completed Form)
- Union Steward (Yellow)
- Employee (Green)
- Safety Committee (Blue) (When Concern Initiated)

April 26, 1994
Page 2 of 2

Please contact D. L. McCoy or D. D. Melton to confirm your attendance at this meeting.

The JCUSC appreciates your participation in the safety concern process.

DISTRIBUTION:

A. J. Asti

R. S. Martinez

[REDACTED]

B. Powell

S. D. Thompson

C. Trice

C. M. Wise

CC:

T. J. Tegeler


E. I. Tietenberg




**JOINT COMPANY - UNION
SAFETY COMMITTEE**


Date: April 26, 1994

To: Distribution

From: D. L. McCoy,  Joint Company/Union Safety Committee
Building T690G, Ext: 5298

 D. D. Melton, Joint Company/Union Safety Committee
Building T452B, Ext 5130

**SUBJECT: REQUEST FOR PARTICIPATION IN SAFETY CONCERN
PROCESS: 94-064, POTENTIALLY CONTAMINATED
ITEMS, 94-065, RADON DECAY**

 has filed a safety concern with the Joint Company/Union Safety Committee (JCUSC). The responsibility for resolving safety concerns lies with line management.

The JCUSC requests participation from you or your designated representative in resolving this safety concern. Please bring all documentation that you have in regards to this issue to this meeting. The meeting to determine a course of action for this concern has been set for the following:

Date: **May 26, 1994**

Time: **0900**

Location: **Conference Room T690G**

April 26, 1994
Page 2 of 2

Please contact D. L. McCoy or D. D. Melton to confirm your attendance at this meeting.

The JCUSC appreciates your participation in the safety concern process.

DISTRIBUTION:

A. J. Asti

R. S. Martinez

[REDACTED]

B. Powell

S. D. Thompson

C. Trice

C. M. Wise

CC:

T. J. Tegeler

E. I. Tietenberg



JOINT COMPANY-UNION SAFETY COMMITTEE

Date: January 27, 1995

To: [REDACTED], Rad Health Labs, Building 123, Ext. [REDACTED]

From: D. D. Melton, Joint Company/Union Safety Committee,
Building T452B, Ext. 5130
D. L. McCoy, Joint Company/Union Safety Committee,
Building T690G Ext. 5298

SUBJECT: RESOLUTION OF SAFETY CONCERN 94-064 POTENTIALLY
CONTAMINATED ITEMS

The Joint Company/Union Safety Committee (JCUSC) has investigated the concern mentioned above.

Air-Heads were arriving at building 123 over the required radiological limits. Radiological Engineering and Radiological Operations have been monitoring this issue. The resolution for this concern is as follows: Radiological Operations department will adhere to Radiological Operations Instruction (ROI) ROI 4.1, when air-heads are shipped to building 123. If airheads arrive at building 123 above the limit specified in ROI 4.1 the analytical labs in building 123 will notify building Radiological Engineering and Radiological Operations.

The JCUSC considers this concern adequately addressed. Changes to this agreement cannot be made without concurrence by the JCUSC. Thank you for your participation in the safety program. If you have any further problems with this concern, its answer or the implementation, please feel free to contact the JCUSC.


D. D. Melton
Company Safety Representative


D. L. McCoy
Union Safety Representative

cc:
A. J. Asti
R. D. Cantwell
L. J. Light
J. B. Powell
C. Trice
T. J. Tegeler
E. I. Tietenberg
C. M. Wise
PATS

Agenda

SAFETY CONCERN MEETING 94-064

06/07/94
9:00 AM to 10:00 AM
CONFERENCE ROOM T690G

Meeting called by: Dennis and Denny
Type of meeting: A meeting to keep contaminated items from arriving to building 123
Facilitator: Dennis McCoy

Attendees: A. J. Asti, E. A. Christopher, L. J. Light, B. Powell

Agenda Topics

9:00-10:00 AM POTENTIALLY CONTAMINATED ITEMS IN BUILDING 123, CONTAMINATED AIRHEADS RECEIVED AND OTHER ITEMS(Microwave Ovens) DENNIS McCOY AND DENNY MELTON

Discussion:

Conclusions:

Action items:

Person responsible:

Deadline:

Special notes:

Joint Company/Union Safety
 Committee
 Attendance Roster

Date: June 7, 1994

Safety Concern 94-064, Potentially Contaminated Items

Meeting Place: T690G, Conference Room

Facilitators: D. L. McCoy
D. D. Melton

<u>NAME</u>	<u>ORGANIZATION</u>	<u>BLDG</u>	<u>PHONE</u>	<u>PAGE</u>
Red Johnson	RAD. Ops	T 764A	5932	3302
Albert Gask	RAD. OPS	T 764A	5778 70	2074
ArLAN Moore	RAD ENG	T 690B	6385	0145
J. B. Powell	Rad Eng	T690B	3998	5945
E A Christopher	Rad Ops	881	6546	1505
Linda Lertz	Analytical Labs	123	2855	N/A



**JOINT COMPANY - UNION
SAFETY COMMITTEE**

October 22, 1990


To: J. R. Majestic
Director Health & Safety
Building 123
Ext. 4707


From: E. I. Tietenberg / S. Cordova
JCUSC
T-690-G
Ext. 7620 / Ext. 5800

RE: ELEVATION OF SAFETY CONCERN NUMBER 90-212 / CONTAMINATED SAMPLES COUNTED
IN BUILDING 123

Safety concern number 90-212 has been elevated to the director level for resolution as per Company/Union contract language, Article XIV, Section 12, Paragraph D, Subparagraph 6.

The Joint Company/Union Safety Committee Co-Chairmen will contact your secretary for time on your calendar in order to meet and resolve the safety concern. Included is a packet of all information dealing with the safety concern.


E. I. Tietenberg
Company Safety Co-Chairman


S. Cordova
Union Safety Co-Chairman

cc:
C. D. Delforge
E. L. Samora

Enclosure: As stated

e190-212.et

JOINT COMPANY-UNION SAFETY COMMITTEE

Date: 06/13/94
To: File
CC: D. D. Melton
From: Dennis McCoy
Subject: Meeting Minutes for Safety Concern 94-064, held on
June 7, 1994, 0900

The meeting was held to discuss air-heads arriving at Bldg 123 over the required limit. And to discuss whether the limit of 2500 c/m was reasonable in a building that has no hepa filtration exhaust, only fume hoods with no filtration.

A commitment was made by Radiological Operations to hold a tool box on the ROI 4.1 for all RCT's in the protective area. That the Lab employees will notify the RCT, the Building Radiological Engineer, and their supervisor if an air-head is analyzed to be over 10% DAC. That sample will be placed in a plastic zip-lock bag and held for further studies, by Rad. OP's. and Rad. Eng. Radiological Operations in Bldg 881 will document all findings. This testing will continue until on or about July 8, 1994, at which time another meeting will be held to determine a course of action for this concern.

dln

JOINT COMPANY/UNION SAFETY COMMITTEE CONCERN FORM

THIS FORM IS TO BE USED BY ALL EMPLOYEES ON PLANT SITE

Mail to: JCUSC, T-690G

(Please mail Blue Copy to JCUSC when the Concern is initiated)

Case No. 94-064

EMPLOYEE NAME [Redacted] EMPLOYEE NUMBER [Redacted]

DEPARTMENT Rad. Health Labs BLDG. 123 PHONE [Redacted] SHIFT Day

SUPERVISOR (Print) C. TRICE R. Martinez SUPV. EXT. 9941

MANAGER REPORTING TO DIRECTOR (Print): C. TRICE MANAGER EXT. 2490

I have previously discussed this Concern with Supervision: Yes No.

Concern (briefly) THE 123 LABS HAVE BEEN REPEATEDLY UTILIZED TO STORE AND SURVEY POTENTIALLY CONTAMINATED ITEMS, INCLUDING AIRHEADS SENT THERE WITH KNOWN CONTAMINATION. THE LABS HAVE NO AIR SAMPLING DEVICES, NOR ARE THERE HEPA FILTERS ON THE HOOD EXHAUSTS THAT COULD TRAP RADIOACTIVE

Recommendation (Optional) PARTICLES, AS RCT MANAGEMENT SEEMS TO BELIEVE, BAR ANY RADIOACTIVELY CONTAMINATED ITEM ABOVE Detectable limits.

Employee Signature [Redacted] Date 3/2/94 Steward Signature (If Applicable) Charlene M Wise Date 3-2-94

Supervision Response (within 5 working days) These issues have been addressed before, and Radiological Control is aware of the issues. Radiological dept. has no known problems with the issues mentioned above. An RCT is currently and has been stationed in Lab 163.

Supervision Signature Richard S. Martin Date 3-3-94
Manager Reporting to Director Conrad Thie Date 3-4-94

NOTE: TIMELINESS IN COMPLETING THIS FORM IS OF THE UTMOST IMPORTANCE.

I am satisfied with the results. I am not satisfied.

Brief reason if not satisfied: The RCT stationed in 163 has no know ability to detect Radioactivity that may be airborne. This issue has never been addressed before, the problem has been brought to management's attention and completely ignored!

Employee Signa [Redacted] Date 3-4-94

JCUSC received Safety Concern on: 3-12-94

To be completed by the JCUSC Co-Chairperson(s)

Assigned to: Union: M. Coy Date 3-12-94

Company: D. McHon Date 3-14-94

- Distribution: Safety Committee (White) (Completed Form)
- Union Steward (Yellow)
- Employee (Green)
- Safety Committee (Blue) (When Concern Initiated)



JOINT COMPANY-UNION SAFETY COMMITTEE

Date: May 27, 1994

To: Distribution

From: D. L. McCoy *DM* Joint Company/Union Safety Committee,
Building T690G, Ext. 5298
D. D. Melton *DM* Joint Company/Union Safety Committee,
Building T452B, Ext. 5130

**SUBJECT: REQUEST FOR PARTICIPATION IN SAFETY CONCERN PROCESS:
94-064, POTENTIALLY CONTAMINATED ITEMS**

J. L. Nazzise has filed a safety concern with the Joint Company/Union Safety Committee (JCUSC). The responsibility for resolving safety concerns lies with line management.

The JCUSC requests participation from you or your designated representative in resolving this safety concern. Please bring all documentation that you have in regards to this issue to this meeting. The meeting to determine a course of action for this concern has been set for the following:

Date: June 7, 1994

Time: 0900

Location: Conference Room T690G

Please contact D. L. McCoy or D. D. Melton to confirm your attendance at this meeting.

The JCUSC appreciates your participation in the safety concern process.

DISTRIBUTION:

A. J. Asti
E. A. Christopher
L. J. Light
B. Powell

CC:


E. I. Tietenberg
T. J. Tegeler



**JOINT COMPANY - UNION
SAFETY COMMITTEE**

March 17, 1994

TO: [REDACTED]
Rad Health Labs
Building 123
Ext. [REDACTED]


FROM: E. I. Tietenberg / T. J. Tegeler
Joint Company/Union Safety Committee
Building T452B / Building T690G
Ext. 7620 / Ext. 5800

SUBJECT: ASSIGNMENT OF SAFETY CONCERN: 94-064
POTENTIALLY CONTAMINATED ITEMS

The Joint Company/Union Safety Committee (JCUSC) has received your safety concern and assigned the following investigators. They will contact you to discuss this concern.

Company Representative: D. D. Melton Phone: 5130

Union Representative: D. L. McCoy Phone: 5130

CC:
J. R. Cable
W. D. Ewan
R. S. Martinez
D. L. McCoy
D. D. Melton
C. Trice
C. M. Wise
PATS



**JOINT COMPANY - UNION
SAFETY COMMITTEE**

Date: April 26, 1994

To: Distribution

From: D. L. McCoy, *DLM* Joint Company/Union Safety Committee
Building T690G, Ext: 5298

D.D.M. D. D. Melton, Joint Company/Union Safety Committee
Building T452B, Ext 5130

**SUBJECT: REQUEST FOR PARTICIPATION IN SAFETY CONCERN
PROCESS: 94-064, POTENTIALLY CONTAMINATED
ITEMS, 94-065, RADON DECAY** *get with B. Powell*

ON WRITING

[REDACTED] has filed a safety concern with the Joint Company/Union Safety Committee (JCUSC). The responsibility for resolving safety concerns lies with line management.

The JCUSC requests participation from you or your designated representative in resolving this safety concern. **Please bring all documentation that you have in regards to this issue to this meeting.** The meeting to determine a course of action for this concern has been set for the following:

Date: **May 26, 1994**

Time: **0900**

Location: **Conference Room T690G**

April 26, 1994
Page 2 of 2

Please contact D. L. McCoy or D. D. Melton to confirm your attendance at this meeting.

The JCUSC appreciates your participation in the safety concern process.

DISTRIBUTION:

A. J. Asti

R. S. Martinez

[REDACTED]

B. Powell

S. D. Thompson

C. Trice

C. M. Wise

CC:

T. J. Tegeler

E. I. Tietenberg



94-064

JOINT COMPANY - UNION SAFETY COMMITTEE

DATE: _____

TO: Distribution

FROM: M.V. Blunn, Joint Company/Union Safety Committee,
Bldg. T-6906, X 4260/D-5718

D.D. Melton, Joint Company/Union Safety Committee,
Bldg. T-4528, X 5130

SUBJECT: REQUEST FOR PARTICIPATION IN SAFETY CONCERN PROCESS: 94-064
SAFETY CONCERN TITLE Potentially Contaminated Items

[Redacted] has filed a/several safety concern(s) with the Joint Company/Union Safety Committee (JCUSC). The responsibility for resolving safety concerns lies with line management.

The JCUSC requests participation from you or your designated representative in resolving this/these safety concerns. The meeting to determine a course of action for this/these concerns has been set for the following:

Date:

Time:

Location:

Please contact M.V. Blunn or D.D. Melton to confirm your attendance at this meeting.

The JCUSC appreciates your participation in the safety concern process.

Distribution:

[Redacted] Bldg. 123 X

C.M. Wise 123

R.S. Martinez

C. Trice

B. Powell T-6908

Distribution:

Steve Thompson



JOINT COMPANY-UNION SAFETY COMMITTEE

Date: April 26, 1994

To: Distribution

From: D. L. McCoy, Joint Company/Union Safety Committee
Building T690G, Ext: 5298
D. D. Melton, Joint Company/Union Safety Committee
Building T452B, Ext 5130

**SUBJECT: REQUEST FOR PARTICIPATION IN SAFETY CONCERN
PROCESS: 94-064, POTENTIALLY CONTAMINATED
ITEMS, 94-065, RADON DECAY**

██████████ has filed a safety concern with the Joint Company/Union Safety Committee (JCUSC). The responsibility for resolving safety concerns lies with line management.

The JCUSC requests participation from you or your designated representative in resolving this safety concern. **Please bring all documentation that you have in regards to this issue to this meeting.** The meeting to determine a course of action for this concern has been set for the following:

Date: **May 16, 1994**

Time: **0900**

Location: **Conference Room T690G**

April 26, 1994
Page 2 of 2

Please contact D. L. McCoy or D. D. Melton to confirm your attendance at this meeting.

The JCUSC appreciates your participation in the safety concern process.

DISTRIBUTION:

A. J. Asti

R. S. Martinez

[REDACTED]

B. Powell

S. D. Thompson

C. Trice

C. M. Wise

CC:

T. J. Tegeler

E. I. Tietenberg



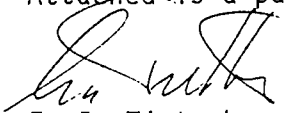
JOINT COMPANY - UNION
SAFETY COMMITTEE

DATE: November 7, 1991
TO: M. T. Sullivan, Radiation Protection, Bldg. T130H, X6629
FROM: E. I. Tietenberg, Joint Co/Union Safety Comm. Bldg. T452B, X7620
M. F. Wood, Joint Co/Union Safety Comm. Bldg. T690G, X5800
SUBJECT: ELEVATION OF SAFETY CONCERN 90-051 TO AGM/DIRECTOR LEVEL
CONTAMINATED AIR SAMPLES, BLDG. 123

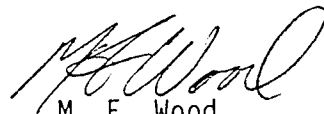
Safety concern number 90-051 has been elevated to the AGM/Director level for resolution as per Company/Union contract language, Article XIV, Section 12, Paragraph C, subparagraph 6.

The subject safety concern was elevated to J. R. Majestic on October 8, 1991. Due to reorganization and your assuming responsibilities for Radiological Protection, the concern is reassigned to you for resolution and action.

The Joint Company/Union Safety Committee Co-Chairman will contact your secretary for time on your calendar in order to meet and resolve the safety concern. Attached is a packet of all information dealing with the safety concern.



E. I. Tietenberg
Company Safety Co-Chairman



M. F. Wood
Union Safety Co-Chairman

Attachments:
As Stated

cc:

G. M. Aldrich
E. A. DiCarlo
E. H. Ideker
J. R. Majestic
D. L. McCoy
J. G. Quillin
C. Trice
C. M. Wise
W. G. Zurliene



**JOINT COMPANY - UNION
SAFETY COMMITTEE**

DATE: October 09, 1991
TO: C. M. Wise, Rad Hlth Labs, Bldg. 123, X5568
FROM: *E.I.* E. I. Tietenberg / *M.F.* M. F. Wood, Joint Company/Union Safety Committee
(JCUSC), Bldg. 452TB / Bldg. 690TG, X7620 / X5800
SUBJECT: ASSIGNMENT OF SAFETY CONCERN: 90-051
AIR SAMPLES

The Joint Company/Union Safety Committee (JCUSC) has received your safety concern and assigned the following investigators. They will contact you to discuss this concern.

Company Representative: E. A. DiCarlo Phone: 5130

Union Representative: D. L. McCoy Phone: 5298

cc:

J. R. Cable
E. A. DiCarlo
J. M. Langsted
D. L. McCoy
J. G. Quillin
G. D. Shearer
L. C. Smith

JOINT COMPANY/UNION SAFETY COMMITTEE CONCERN FORM

(Use Black Ink Only)

Case No. 90-051

Employee Name [Redacted] Employee Number [Redacted]

Department HSEEL Bldg. 123 Phone [Redacted] Shift DAY

I have previously discussed this concern with my supervisor: Yes No

Concern (briefly) THE AIR FILTER COUNTING SYSTEM IN ROOM 163, BLDG-123, RECEIVES AIR FILTER SAMPLES OVER 250C/M OR 20D/M. ANY SAMPLE OVER THOSE LIMITS POSE A HEALTH AND SAFETY HAZARD, AND SHOULD BE RETAINED IN A CONTROLLED AREA WITH PROTECTIVE CLOTHING AND PROPER VENTILLATION FOR COUNTING

[Redacted Signature] Employee Signature Date Jan 22, 1990

Immediate Supervisor Response (within 5 working days) _____

As you know, Charlene, I have turned this concern over to OHP. We (you, Larry H. & I) met with them & all decided to await further clarification by them on the concern. I intend to push this one to a safe conclusion; but need to get the advice of the experts

(OHP) Mark Peters Supervisor Signature (legibly please) Date 1/22/90

J.L. Alvarez Direct Report Manager Signature Date 1-24-90

NOTE: Timeliness in completing this form is of the utmost importance.

I am satisfied with the results.
 I am not satisfied. Referral to the JCUSC for investigation because:

I approached Mark & OHS 2 weeks prior to turning in a Safety Concern. OHS was supposed to get back with us, but ^{appointment} keeps getting cancelled.

To be completed by the JCUSC Co-Chairperson(s)

Assigned To: Union: J. San Pietro Date 1/31/90
Company: BD Waggoner Date 1/31/90

Distribution: White - Safety Committee Green - Employee
Yellow - Supervision Goldenrod - Union Steward



JOINT COMPANY - UNION
SAFETY COMMITTEE

September 11, 1990

To: S. Cordova / E. I. Tietenberg
Co-Chairmen J.C.U.S.C.
T-690-G
Ext. 5800 / Ext. 7620

From: E. L. Samora / C. D. Delforge
J.C.U.S.C.
T-690-G
Ext. 5801 / Ext. 4769

RE: SAFETY CONCERN NUMBER 90-212

Safety concern number 90-051 was worked and elevated to the co-chairmen's level. Concern number 90-212 deals with the same subject as 90-051. Elliott Lessers of Radiological Engineering told me that he would work this issue. If you have any questions, please feel free to discuss them with me.

A handwritten signature in cursive script, appearing to read 'E. L. Samora', is written above the typed name.

E. L. Samora
Union Safety Representative

e190-212.1s



**JOINT COMPANY - UNION
SAFETY COMMITTEE**

Date: October 08, 1991

TO: J. R. Majestic, Health & Safety, Bldg., 123, X4707

FROM: E. I. Tietenberg / M. F. Wood, Joint Company/Union Safety Committee
(JCUSC), Bldg. T452B / Bldg. T690G, X7620 / X5800

SUBJECT: ELEVATION TO AGM OF SAFETY CONCERN : 90-051 EL90-051
CONTAMINATED AIR SAMPLES, BLDG. 123

Safety concern number 90-051 has been reopened, which had been elevated to the AGM/Director level for resolution as per Company/Union contract language, Article XIV, Section 12, Paragraph C, Subparagraph 6.

The concern is being reopened due to samples being found in excess of 250 cpm in Building 123 on September 23, 1991.

The Joint Company/Union Safety Committee Co-Chairman will contact your secretary for time on your calendar in order to meet and resolve the safety concern. Included is a packet of all information dealing with the safety concern.

E. I. Tietenberg
Company Safety Co-Chairman

M. F. Wood
Union Safety Co-Chairman

bjm

cc:
G. M. Aldrich
S. A. Buckie
E. A. DiCarlo
D. L. McCoy
J. A. Quillin
C. Trice
R. B. Wilkinson
C. Weise



JOINT COMPANY - UNION
SAFETY COMMITTEE

DATE: September 20, 1991

TO: E. L. Samora, Rad Ops PU Ops, Bldg. 371, X7060
E. DiCarlo, Joint Company/Union Safety Committee (JCUSC),
Bldg. 881, X5130

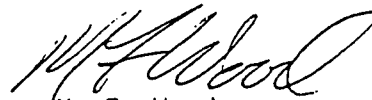
FROM: E. I. Tietenberg, JCUSC, Bldg. 452TB, X7620
M. F. Wood, JCUSC, Bldg. 690TG, X5800

SUBJECT: RESOLUTION OF ELEVATED SAFETY CONCERN: 90-051
CONTAMINATED SAMPLE COUNTING IN BUILDING 123

The subject safety concern was elevated to the co-chairman level on September 11, 1990. A meeting was held with J.R. Majestic on October 30, 1990 where various corrective actions were identified. Subsequently the laboratories in building 123 were designated as radiologically controlled areas with daily contamination surveys being performed by Radiation Protection Technologist. Further, ROI was reviewed and actions were taken to insure that samples that exceed allowable count are not removed from RCA's.

By the above actions the Co-Chairmen consider the concern closed.


E. I. Tietenberg
Company Co-Chairman


M. F. Wood
Union Co-Chairman

cc:
S. A. Buckie
D. C. Hunt
J. P. Jens
J. R. Majestic
J. L. Nazzise
J. G. Quillin
V. Scott
G. Trice
C. Weise
W. G. Zurliene

INTEROFFICE CORRESPONDENCE

DATE: April 22, 1991 JGQ-012-91

TO: E. I. Tietenberg, Joint Company/Union Safety Committee, Bldg. T452B, X7620
S. Cordova, Joint Company/Union Safety Committee, Bldg. T690G, X5800

FROM: J. G. Quillin, Radiological Health, Bldg. 123, X2452 *JGQ*

SUBJECT: STATUS REPORT ON SAFETY CONCERN NUMBERS 90-051 AND 90-212

The "proposed action plan" identified in J. P. Jens letter to E. L. Sumora, on March 15, 1991, (91-RF-1224) is still in process. Prospective suppliers of counting equipment have been identified. The Health Physics Instrumentation Committee (HPIC) has responsibility for approving performance criteria and allocation of funds. Funds have been allocated and purchase specifications are being drafted. The remaining items are progressing as well.

Additional measures have been implemented to aid in assuring safety. Specifically, the Air Sample Counting Room (163) in Building 123, has been classified as a "Controlled Area." As such certain precautionary measures are in place:

- No eating, drinking, smoking, or other consumables.
- Personal dosimeter required when handling radioactive materials.
- Wear buttoned smocks and surgeons gloves when handling radioactive materials.

Also, Radiation Protection Technologists perform daily contamination surveys of the room and on incoming air sample containers. Individuals working in the area are considered radiation workers and are participants in the Radiation Worker Training course.

We believe that these precautionary actions in combination with compliance regarding existing procedures, (ROI 4.1, "Routine Air Sampling" in particular), provide adequate measure of safety for the individual worker as well as members of the general public and the environment.

Please feel free to contact me should additional information or clarification be required.

bdm

cc:

S. A. Buckie	J. P. Jens
K. E. Cavin	C. Trice
D. M. Hardin	Safety Concerns File
D. C. Hunt	

INTEROFFICE CORRESPONDENCE

DATE: April 3, 1991 ET91-110
TO: Distribution
FROM: E. I. Tietenberg / S. Cordova, Co-Chairmen Joint Company/Union
Safety Committee (JCUSC), T-452-B / T-690-G, X7620 / X5800
SUBJECT: WRITTEN STATUS AND PENDING ACTIONS ON ELEVATED JCUSC SAFETY
CONCERNS

On March 21, 1991, J. P. Jens, AGM Health and Safety, requested that written status be provided to the JCUSC Co-Chairmen on elevated concerns requiring AGM action. To date, no written status has been received.

This letter is to remind you that this requirement still exists, and please provide a written status on elevated concerns (attachment 1) to the JCUSC Co-Chairmen by April 12, 1991.

For any additional information, please feel free to contact Enn Tietenberg at extension 7620, or Steve Cordova at extension 5800.

cmp

Attachment:
As Stated

Distribution

A. Benjamin
J. C. Bretzke
E. H. Ideker
J. P. Jens
J. M. Kersh
V. M. Pizzuto

cc:
C. W. Buchholz
E. A. DiCarlo
P. W. Dooley
I. K. Roberts
E. L. Samora
D. T. Sandoval
T. J. Tegeler

E
L
E
V
A
T
E
D

C
O
N
C
E
R
N
S


ED

ED

E. L. Samora
March 15, 1991
91-RF-1224
Page 2

A proposed action plan to bring this issue to a "safe resolution" and closure of these concerns is as follows:

1. Develop criteria and necessary actions required to move the air sample count room to a "PSZ Location"
R. L. Renne/K. E. Cavin
2. Prepare list of suitable locations inside the PSZ for evaluation
E. L. Samora/L. G. Ubias
3. Select final location(s) and obtain occupancy
E. L. Samora/K. E. Cavin/J. P. Jens/Operations Managers
4. Move air sample count room
R. L. Renne



J. P. Jens
Assistant General Manager
Health and Safety
EG&G Rocky Flats

KEC:kas

cc:

G. M. Aldrich
S. A. Buckie
K. E. Cavin
D. M. Hardin
J. R. Majestic
J. G. Quillin
R. L. Renne
E. I. Titenberg
L. G. Ubias

Dennis Wise
Vice President

Jess Castro
President

Ken Cash
Recording Secretary

Gary Swenson
Financial Secretary

Ray Malito
Treasurer



United Steelworkers of America

AFL-CIO-CLC



Local Union 8031

4510 Indiana Street

Golden, Colorado 80403

41-4510-18

January 30, 1991

To: J. P. Jens
Health and Safety
Assistant General Manager
T-130-G

From: E. L. Samora, Jr.
Union Safety Committee
T-690-G
Ext. 5298 / D-1752

RE: SAFETY CONCERN NUMBERS 90-051, 90-212, AND 90-426

This letter is an official position of the United Steelworkers on safety concern numbers 90-051, 90-212, and 90-426. All three safety concerns deal with the air sample levels received in building 123, room 163. Room 163 in building 123 does not meet the requirements of a radiation control area by any standard. By sending air samples to building 123 from the radiological control areas greater than 250 counts per minute and greater than 20 disintegrations per minute, we are exposing our members, the environment, and the public to an unnecessary risk.

Administrative controls are not an adequate substitute for engineered features. Operational measures for controlling occupational exposure must be applied to assure that any work with radioactive materials is carried out in the safest manner that is achievable. The RCA areas located in the PSZ have the engineering controls to do this job safe and efficient. This would seem the logical place to do this work, since we have everything in place to accommodate this specific job junction.

These concerns were brought to EG&G twelve months ago and to this date, EG&G has not offered a safe resolution.

E. L. Samora, Jr.
Union Safety Representative

cc:

S. A. Buckie	J. Castro
S. Cordova	C. D. DelForge
R. J. Fleischacker	D. M. Hardin
J. R. Majestic, Jr.	J. L. Nazzise
R. M. Nelson	E. I. Tietenberg
R. E. Williams	C. M. Wise
J. O. Zane	

up51-212.426



JOINT COMPANY - UNION
SAFETY COMMITTEE

January 18, 1991

To: J. R. Majestic
Health and Safety
Deputy Assistant General Manager
Building 123
Ext. 4707

From: E. I. Tietenberg / S. Cordova
JCUSC Co-Chairmen
T-452-B / T-690-G
Ext. 7620 / Ext. 5800

RE: MANAGEMENT ACTION / SAFETY CONCERN NUMBER 90-051 AND 90-212 / AIR FILTER
COUNTING

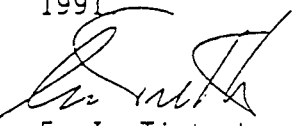
On October 30, 1990, a meeting was held with you and members of your staff pertaining to the subject safety concerns.

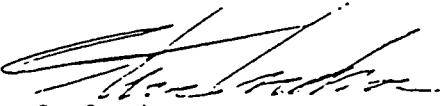
The issue discussed was contaminated filters from the air heads being brought out of the Radiation Controlled Area (RCA) into uncontrolled areas in building 123 to be counted. The JCUSC requested you to respond in writing as to what actions were being taken to alleviate the concern. The response was to be provided by November 6, 1990.

To date, the JCUSC has not received any information or actions being taken by you or your staff to resolve the issue.

Attached for your information are the safety concerns and related documentation.

Please provide the JCUSC the previously requested information by January 31, 1991


E. I. Tietenberg
Company Safety Co-Chairman


S. Cordova
Union Safety Co-Chairman

Attachment:
As Stated

cc:
E. Crusan
C. D. DelForge
E. L. Samora

up90-212.051



JOINT COMPANY - UNION
SAFETY COMMITTEE

File

October 22, 1990

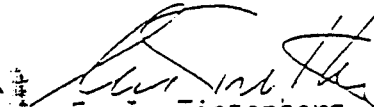
To: J. R. Majestic
Director Health & Safety
Building 123
Ext. 4707

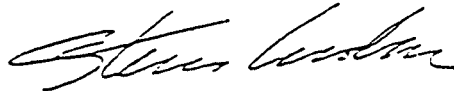
From: E. I. Tietenberg / S. Cordova
JCUSC
T-690-G
Ext. 7620 / Ext. 5800

RE: ELEVATION OF SAFETY CONCERN NUMBER 90-212 / CONTAMINATED SAMPLES COUNTED
IN BUILDING 123

Safety concern number 90-212 has been elevated to the director level for resolution as per Company/Union contract language, Article XIV, Section 12, Paragraph D, Subparagraph 6.

The Joint Company/Union Safety Committee Co-Chairmen will contact your secretary for time on your calendar in order to meet and resolve the safety concern. Included is a packet of all information dealing with the safety concern.


E. I. Tietenberg
Company Safety Co-Chairman


S. Cordova
Union Safety Co-Chairman

cc:
C. D. Deiforge
E. L. Samora

Enclosure: As stated

e190-212.at



JOINT COMPANY - UNION
SAFETY COMMITTEE

September 11, 1990

To: S. Cordova / E. I. Tietenberg
Co-Chairmen J.C.U.S.C.
T-690-G
Ext. 5800 / Ext. 7620

From: E. L. Samora / C. D. Delforge
J.C.U.S.C.
T-690-G
Ext. 5801 / Ext. 4769

RE: SAFETY CONCERN NUMBER 90-212

Safety concern number 90-051 was worked and elevated to the co-chairmen's level. Concern number 90-212 deals with the same subject as 90-051. Elliott Lessers of Radiological Engineering told me that he would work this issue. If you have any questions, please feel free to discuss them with me.



E. L. Samora
Union Safety Representative

e190-212.1s

GENERAL INFORMATION:

(*2) Date Received: 8/13/90 (*1) Number: 90-212(L)
(3) Priority (H,M,L): H
(*4) Title: Contaminated samples counted in bldg.
(5) Initiated by: J. W. Nazzise (6) Emp. Number: 510997
(*7) Initiation/Start Date: 6/25/90 (8) Emp. Phone No: 4331

MANAGEMENT INFORMATION:

(9*) Supervisor/Person Resp: E.E. McCracken (*10) Phone: 4711
(11) Date Supervisor Answered: 7/24/90
(12) Direct Report Manager: D.M. Hardin (13) Phone: 2031
(14) Bldg: 123 (15) Bldg. Manager: D.C. Hunt

SAFETY NOTIFICATIONS:

(16) Discipline: S.A. Buckie (17) Date: 8/13/90
Bldg: 750
(18) Area Safety Eng: G.D. Shearer Bldg: T690C
(19) Union Steward: _____ Bldg: _____
(20) Co. Co-Chairman: E. Tietenberg Bldg: T452B
(21) Union Co-Chair: S. Cordova Bldg: T690G
(22) Company Member: C.D. Delforge Bldg: T690A
(23) Union Member: E.H. Samora

INVESTIGATION STATUS:

(25) Date Contacted Employee: ___ / ___ / ___
(*26) Investigation Comments: _____

(*27) Invest. Review/Due Date: ___ / ___ / ___ (28) Status (1-5) ___
(29) Actions Indent. (Y or N): ___ (30) Interim Letter Date: ___ / ___ / ___
(*31) Close Date: ___ / ___ / ___ (*32) Closed By: _____

To be filled out when submitting action items

Case No. 90-212

EMPLOYEE NAME [Redacted] EMPLOYEE NUMBER [Redacted]

DEPARTMENT RPT BLDG. 707 PHONE [Redacted] SHIFT PMS

SUPERVISOR (Print) Myron Deluinthal SUPV. EXT. 4331

MANAGER REPORTING TO DIRECTOR (Print) Dennis Melton MANAGER EXT. 7596

I have previously discussed this Concern with Supervision: Yes No.

Concern (briefly) Presently, airhead samples from the RCAs are being transported and counted (i.e. contamination levels) in 123 Bldg, with as much as 2500 cfm removable contamination on them. This is a contamination hazard. These samples should not be removed from the RCA if all other items having an RCA are required to be < 200 pfm/100cm² and < 50%.

6-25-90

Date Steward Signature (If Applicable) Date

Supervision Response (within 5 working days) Please See Attached

Supervision Signature [Signature] Date 7/24/90

Manager Reporting to Director [Signature] Date 7/24/90

NOTE: TIMELINESS IN COMPLETING THIS FORM IS OF THE UTMOST IMPORTANCE.

I am satisfied with the results. I am not satisfied.

Brief reason if not satisfied: The air heads and saams were removed from room 163 bldg 123 5 weeks ago. 2500 cfm is much higher than the 1200 pfm / 1250 cfm limit for a cold building such as 123.

Employee Signature [Redacted] Date 8-6-90

JCUSC received Safety Concern on: [Redacted] 8/13/90

To be completed by the JCUSC Co-Chairperson(s)

Assigned to: Union: E. L. Samora Date _____

Company: C. D. Peljorge Date _____

Distribution: Safety Committee (White)
Union Steward (Green)
Employee (Goldenrod)

PRIORITY

#

JOINT COMPANY - UNION
SAFETY COMMITTEE



September 11, 1990

To: S. Cordova / E. I. Tietenberg
Co-Chairmen J.C.U.S.C.
T-690-G
Ext. 5800 / Ext. 7620

From: E. L. Samora / C. D. Delforge
J.C.U.S.C.
T-690-G
Ext. 5801 / Ext. 4769

RE: SAFETY CONCERN NUMBER 90-212

Safety concern number 90-051 was worked and elevated to the co-chairmen's level. Concern number 90-212 deals with the same subject as 90-051. Elliott Lessers of Radiological Engineering told me that he would work this issue. If you have any questions, please feel free to discuss them with me.

E. L. Samora
Union Safety Representative

e190-212.1s

INTEROFFICE CORRESPONDENCE

DATE April 25, 1990
 TO C. D. Waggoner/J. L. San Pietro
 FROM W. M. Somers, OHP, Bldg. 750, X5725 *wms*
 SUBJECT SAFETY CONCERN 90-051

OHP-89-90

Currently filters are initially screened for radioactivity in the areas and are not allowed to leave the area if the count rate is greater than 2500 cpm. A smear survey is performed in the count room and on the air sample canisters on a daily basis. The results of the smear surveys are all well below the limit of 20 dpm/100 cm². Air samplers are also located in the room. Results of the samples are attached and indicate air concentrations in the room are at normal ambient levels.

The controls currently in place are adequate to ensure the highly contaminated samples do not leave the area which could be a hazard.

WMS:emh

- ✓ J. Buckie
- ✓ C. Hunt
- E. D. Lesses
- M. A. Peters
- J. A. Ray

stream is Room 163

Employee Name _____ Employee Number' _____

Department HSEEL Bldg. 123 Phone _____ Shift DAY

I have previously discussed this concern with my supervisor: Yes No

Concern (briefly) THE AIR FILTER COUNTING SYSTEM IN ROOM 163, BLDG 123, RECEIVES AIR FILTER SAMPLES OVER 250 C/M OR 20 D/M. ANY SAMPLE OVER THOSE LIMITS POSE A HEALTH AND SAFETY HAZARD, AND SHOULD BE RETAINED IN A CONTROLLED AREA WITH PROTECTIVE CLOTHING AND PROPER VENTILATION FOR COUNTING

Employee Signature Jan 22 1990
Date

Immediate Supervisor Response (within 5 working days) _____

As you know Charles, I have turned this concern over to OITP. We (you know H. & T) met with them & all decided to await further clarification by them on the concern. I intend to push this one to a safe conclusion - but need to get the advice of the experts (OITP)

Frank P. [Signature]
Supervisor Signature (legibly please) 1/22/90
Date

J. C. [Signature]
Direct Report Manager Signature 1-24-90
Date

NOTE: Timeliness in completing this form is of the utmost importance.

I am satisfied with the results.
 I am not satisfied. Referral to the JCJSC for investigation because:

I researched Mark & AS 2 weeks prior to turning in a Safety Concern AS was suggested to get back with 'us' but we were at this point.

To be completed by the JCJSC Co-Chairperson(s)
Signed To: Union: J. San Pietro Date 1/31/90
Company: ED [Signature] Date 1/31/90

White - Safety Committee Green - Employee
Yellow - Supervision Goldenrod - Union Steward

- 5.8.2 Defective parts should be replaced with parts stocked in the Radiological Operations office.

CAUTION

PROBES OF THE FLOW METER ARE VERY DELICATE, DO NOT SHOCK THEM. IF THE TIP IS BROKEN OR DIRTY, DO NOT USE SINCE THE READINGS WILL BE INVALID.

6.0

INSTRUCTION

- 6.1 Filter media of fixed airhead samplers shall be routinely changed as follows:
- 6.1.1 Survey filter caps before unscrewing.
 - 6.1.2 Unscrew and remove the air filter cap.
 - 6.1.3 Survey the filter media with an alpha survey meter (Ludlum Model 12-1A Count Rate Meter with an air proportional probe).
 - 6.1.4 Record the survey meter reading of the filter in counts per minute (cpm) and the filter number in the Air Sample Travel Log (Attachment 9.1).
 - 6.1.5 Remove the filter media by handling the brass ring. Do not touch the filter media.
 - 6.1.6 Place filters which measure less than 2500 cpm in the top of the air sample carrier tube sample side up.
 - 6.1.6.1 Place filters which measure more than 2500 cpm in glassine envelopes. These will be counted as "special" samples.
 - 6.1.6.2 Write the filter number, the date, and sample (on/off) time on each envelope using a black marking pen.

ROUTINE AIR SAMPLING

1.0 PURPOSE

To establish requirements for routine air sampling operations.

2.0 SCOPE

This instruction provides requirements for changing filter media of fixed air samplers, counting special air samples, calibrating airflow rates of airhead samplers, issuing required air sampling reports, and performing preventive maintenance of airhead samplers.

3.0 DEFINITIONS

- 3.1 Fixed air samplers consist of all airhead samplers and SAAMs used for room and effluent air monitoring.
- 3.2 Koval Factor (K) is a unit used in calculating air sample radioactivity which adjusts for the decay of short-lived radionuclides when sample counts are spaced in time. In calculations, K is used to designate the Koval Factor.
- 3.3 DAC is the acronym used to designate Derived Air Concentration. DAC values are specified (DOE Order 5480.11) for each radionuclide and their retention class, and are the limiting values for control of airborne radioactivity in the work place.
- 3.4 Airborne Radioactivity Area is the designated area posting required for areas where airborne radioactive material concentrations greater than 1/10 of the DAC are present.
- 3.5 Special air samples consist of any routine air samples having a survey instrument reading of more than 2500 cpm, or the filter from a positive SAAM alarm with 25 cpm or greater on a referee SAAM.

4.0 RESPONSIBILITIES

- 4.1 Manager(s) of personnel required to perform work per this instruction shall ensure that affected personnel are informed or trained to the extent necessary prior to initiation of that work.

Internal Letter



Rockwell International

Date · October 23, 1985

No. ·

TO (Name, Organization, Internal Address)

FROM (Name, Organization, Internal Address, Phone)

· G. W. Campbell
· Health, Safety, and Environment
· Building 111

· R. A. Link
· Oper Health Physics
· Building T750G
· x 4909

SUBJECT · SAFETY CONCERN 85-64, SAMPLE COUNT LABORATORY, BUILDING 123

Meetings were held with J. SanPietro and J. Castro to discuss unresolved portions of Safety Concern 85-64, Sample Count Laboratory, Building 123. It was agreed that with implementation of the following items, this concern can be considered resolved.

1. A SAAM unit will be installed in Room 163.
2. Change the daily swipe contamination survey taken by Radiation Monitoring, to include sample carriers and holders. In addition, a weekly survey will be accomplished of equipment interiors.
3. Samples greater than 100% RCG will be recounted in the building of origin and treated as a special air sample.
4. Samples greater than 500% RCG will be returned in a timely manner to the building of origin. The Radiation Monitoring foreman will be notified by the counting technician of this action.
5. Counting Laboratory personnel will wear paper or cloth coveralls while handling samples in Room 163. This is required to preclude contaminating personal clothing in the event an elevated sample was dropped on their clothing while seated at the work bench. In this case only, coveralls worn over personal clothing is acceptable.
6. Rewrite the count room operating procedure HS & EL OP-23 to reflect these changes and better define actions required of laboratory personnel.

Case No. 85-64 JOINT COMPANY-UNION SAFETY COMMITTEE
CONCERN FORM

Assigned to:
Union SAN PIETRO
Company BAKER

Employee [REDACTED] Dept. HSE Bldg. 123

Phone _____ Shift PM

Immediate Supervisor DALE BOKOWSKI Phone _____

I Have Previously Discussed This Concern With My Supervisor: (Please Check)

Subject: (State Briefly) DUETO PREVIOUS OCCASIONS WHEN AIRWAYS SAMPLES EXCEEDING LIMIT OF C/M (PER SAMPLE ALLOWED IN WORKING BLDG) HAVE MISTAKENLY BEEN SENT TO BLDG 123, MY CONCERN IS THAT PERSONNEL WORKING IN THIS AREA BE EXPOSED TO THE POSSIBILITY OF AN ALPHA INHALATION ON SUCH OCCASIONS AND FEEL THAT SOME KIND OF CONTAMINATION CONTROL & PROTECTION FOR EMPLOYEES BE IMPLEMENTED.

[REDACTED] 5-29-85
Employee _____ Date _____

Supervisor Answer: _____

Y concern for inadvertant exposures is understandable. Initial action is underway to address your concern by convening a meeting between all organizations which have impact on the counting room. Representatives of Radiation Measurements, Radiation Monitoring and the HSE Analytical Labs will be reviewing monitoring and screening protocols, counting room protocols and various physical controls with a goal of upgrading documentation of instructions and minimizing potential for exposure.

Supervisor (Signature) D. Bokowski Date 6/3/85

I Have Discussed The Written Answer With My Supervisor:

- I Am Satisfied With The Results.
- I Am Not Satisfied, and Refer The Matter To The Joint Company-Union Safety Committee for Their Investigation Because: I would also like the matter reviewed by the Union Safety Committee.

Distribution: White - Safety Committee
Green - Employee
Yellow - Supervision

Date Received: _____

G. W. Campbell
Page Two
October 23, 1985

Each of these items has been addressed and implemented. At this time, the concern can be considered resolved. I believe that a sound and equitable solution was reached and will further enhance our commitment of providing the best safety and health program possible.

I wish to express my thanks to J. SanPietro and J. Castro for their open and conducive attitude, in resolve of this concern.



R. A. Link, Manager
Operational Health Physics

cc:

J. Castro
~~J. SanPietro~~
J. M. Aldrich
R. G. DelPizzo
C. R. Lagerquist
G. L. Potter
W. F. Williams

James D. Kelly
President

Ted Tegeler
Vice President

Michael T. Davidson
Recording Secretary

John A. Cash
Financial Secretary

Patrick F. Kelly
Treasurer



United Steelworkers of America

AFL-CIO-CLC



Local Union 8031

Rocky Flats, Colorado

41 ®

September 10, 1985

G. Campbell
HS&E
Bldg. 111
Rocky Flats Plant

SUBJECT: Safety Concern 85-64, Unnecessary Exposure to Radioactive Material
in the Sample Counting Room (163) in Building 123

The Company and Union cannot reach an agreement for resolution to this Safety Concern. Some improvements have been made, however, further improvements are necessary. A new procedure has been written for this area, but we feel it does not go far enough; a copy of this new procedure is attached. L. J. Olinger, Opr. Health Physics, was contacted about further improvements which the Union feels are necessary. Her reply, "further precautions are redundant beyond reasonable for the level of hazard which exists", exhibits arrogance and is certainly argumentative, to say the least. This type of attitude is not conducive to a good working relationship between the Safety Committee and Health Physics.

10/4/85

The Union does take exception to this reply and our recommendations for Room 163, Building 123 are as follows:

1. Room air samples be installed.
2. At least one S.A.M. air monitor be installed.
3. Alpha mets with cables be installed on the counting instruments.
4. A combo be placed at the door.
5. Protective clothing be required for personnel working in this room. This is meant to include coveralls, booties and surgeon's gloves which are to be worn when handling samples. *Hot Pay*
6. The sample containers must be monitored before leaving the PSZ area buildings and the M.T. tag signed by a monitor.
7. If a sample is suspected to be "hot" or greater than the counting instrument will count, the proper protocol is as follows:
 - a) Call Radiation Monitoring in Bldg. 881 for a monitor to respond to the area. The telephone number should be placed by each telephone in a visible area.
 - b) Do not remove the suspected sample from the counting instrument. When the radiation monitor arrives, he/she will remove the sample.
 - c) If the sample is found to be greater than 100% of R.C.G. by the monitor, then the radiation monitoring supervisor of the affected area will be notified immediately so the area in question will be posted for respirators and surveys taken.

James D. Kelly
President

Ted Tegeler
Vice President

Michael T. Davidson
Recording Secretary

John A. Cash
Financial Secretary

Patrick F. Kelly
Treasurer



United Steelworkers of America

AFL-CIO-CLC



Local Union 8031

Rocky Flats, Colorado

41  ®

G. Campbell
September 10, 1985
Page 2

- d) Have the radiation monitor perform a smear survey of the area to check for levels of contamination that exceed the 20d/m/100 c/m.
- e) Personnel will be monitored out by the radiation monitor.
- f) Have the radiation monitor secure the sample and return it to the area of origin for special counting procedures.
- 8) Personnel will be monitored out by a radiation monitor at the end of their shift.
9. All counted samples must be secured at the end of the shift and when appropriate, the samples will be taken back to a building inside the P.S.Z. for disposal.

The Union feels that the ideal area for counting samples would be inside the P.S.Z. area. If this is not possible, it is imperative every effort be made to insure that no Pu will be released to an area where personal clothing is worn and/or possibly taken off site into someone's home or place of business.

We feel that Rockwell International owes its employees, their families and the surrounding communities assurance that every possible precaution is taken to prevent the unnecessary spread of radioactive contamination.

J. San Pietro

J. SanPietro
J.C.U.S.C.
Union Member

Pregnant woman are not allowed to work here.

cc:

J. Aldrich
J. Castro
R. DelPizzo
R. Link
C. A. Noble
J. Ortiz

Attachment



PERSONNEL PROTECTION REQUIREMENTS
FOR PLUTONIUM CONTROLLED AREAS

1. SCOPE

To define the minimum requirements for personnel protection in plutonium processing areas, laboratories, storage facilities, or any other area posted as a Plutonium Controlled Area.

2. DEFINITIONS

2.1 Administrative Work - Performing job reviews, reviewing and/or picking up paper work, changing computer disks, incidental work on computer keyboards and all other similar activities.

2.2 Anti-Contamination (Anti-C) Clothing - More stringent Company-furnished protective clothing that may be required by Radiological Monitoring and/or Operational Health Physics for specific jobs and/or operations. Full Anti-C clothing consists of paper coveralls, hoods, gloves, shoe covers and/or boots. This clothing shall be worn in addition to normal precautionary clothing for the purpose of radiological/contamination control and shall not be worn outside the controlled areas.

2.3 "B" Box - Rocky Flats terminology for containment structure/work box partially open to room atmosphere with restricted openings.

2.4 Contamination - The deposition or presence of unwanted radioactive material on the surfaces of structures, areas, objects or personnel.

2.5 Controlled Area - Any area to which access is controlled in order to protect individuals from exposure to radiation and radioactive materials.

2.6 Precautionary Clothing and Equipment - Company-issued clothing and equipment which workers may be required to wear in controlled areas. This may include items such as coveralls, safety shoes, underwear, etc. Precautionary clothing and equipment are worn as a precautionary measure to avoid contaminating personal clothing or a worker's skin in case there is an inadvertent release of contamination. Precautionary clothing is not intended to substitute for anti-contamination clothing and shall not be used as anti-contamination clothing.

2.7 Radiation - As used in this document, indicates alpha, beta, gamma, X-ray and neutron types of ionizing radiation.

2.8 Radiation Area - As used in this document, indicates any area within a controlled area where an individual can receive a dose equivalent greater than

2 mrem, but less than 100 mrem, in 1 hour at 30 cm from the radiation source or from any surface through which the radiation penetrates.

3. GENERAL RESPONSIBILITIES

3.1 Operational Health Physics

Operational Health Physics will establish the occupational radiation protection program to support the long-term and short-term planning, as well as the day-to-day activities, of the Rocky Flats Plant.

3.2 Radiological Monitoring

Radiological Monitoring will assist all operations with the implementation of the radiation safety program in order to maintain radiation levels and personnel radiation dose equivalents as low as reasonably achievable (ALARA).

3.3 Building Managers

The Building Managers are responsible for the safety of building personnel facility maintenance and environmental protection of their respective facilities. Operational Health Physics works with the Building Managers to establish the radiation protection program of building personnel and facilities.

3.4 HS&E Area Engineer

The HS&E Area Engineer is responsible for programmatically managing a multi-disciplinary safety team, ensuring effective communications within the HS&E organization and with all other supervisory personnel, and implementing of the ALARA policy.

3.5 Criticality Engineering

Criticality Engineering has the primary responsibility for generating and recommending nuclear criticality safety policies for Rocky Flats and establishing procedures which implement the established nuclear criticality safety policies.

3.6 Supervision

3.6.1 It is the responsibility of all supervisors to be acquainted with all aspects of their operations which involve radioactive materials. All supervisors shall ensure that their operations are carried out according to the requirements of this document and the ALARA policy.

3.6.2 In the discharge of their responsibilities, supervisors shall seek the technical support of Health, Safety and Environment. Supervisors shall submit to Operational Health Physics all available information on any changes or alterations contemplated in their area of responsibility which may affect the radiation or contamination control programs.

4.3.4.1 All individuals have the responsibility to properly use the self monitoring devices as described in HS&E 18.09 in order to prevent the spread of radioactive contamination.

4.3.4.2 When leaving a controlled area, all personnel must be monitored by Radiological Monitoring. The Radiation Monitor shall also monitor the respirator, dosimetry badge, shoe bottoms and other items as appropriate (e.g., paperwork, notebooks, etc.) using the Ludlum Alpha Survey Meter. All items leaving a controlled area shall be smeared for removable contamination in addition to being monitored with a Ludlum instrument.

4.3.4.3 Personnel must wash their hands upon exiting the controlled areas.

4.3.4.4 Personnel working in controlled areas, who make a clothing change, SHALL shower prior to leaving plantsite. In addition, these personnel shall wash their hair.

4.3.5 Control and Decontamination of a Radioactive Material Release

4.3.5.1 Radiological Monitoring personnel will determine the location and extent of any radioactive material release, recommend appropriate control measures, and furnish supervision with written reports as necessary.

4.3.5.2 Decontamination of a radioactive material release must begin immediately and be completed as rapidly as possible. Decontamination shall be continued beyond the end of a shift or until the contamination is secured. If decontamination efforts are stopped before decontamination is completed, approval must be obtained from Radiological Monitoring and appropriate supervision.

4.3.5.3 Detectable levels of radioactivity from former plant processes, which have contributed to the overall background radioactivity level, shall not be allowed to remain as a part of the facility area which is being decontaminated for future unrestricted use.

4.3.6 Personnel Airlocks and Step-off Pads

4.3.6.1 Personnel airlocks are installed between plutonium controlled areas and non-controlled areas to assist in maintaining proper airflow and contamination control.

4.3.6.2 When using personnel airlocks, only one door or one set of double doors shall be open at any time except for emergency egress.

4.3.6.3 Step-off pads (bootie lines) are used to assist in isolating contamination to controlled areas. Upon entering or exiting controlled areas, employees shall follow the posted procedures for proper step-off pad use.

4.3.7 Glovebox Operations

4.3.7.1 Supervisors shall ensure that all of their employees who work in gloveboxes are trained in the safe and proper methods of glovebox operation.

8.0 MATERIALS

- Black ink pen
- Forms: Record of Items Leaving Radiation Controlled Areas
- Leather gloves (as required)
- Smear paper

9.0 STANDARDIZATION AND CALIBRATION

9.1 The Ludlum 12-1A Count Rate Meter and the Ludlum Model 31 shall be calibrated annually in accordance with Radiation Instrumentation procedures. The instruments shall be performance tested daily, or prior to use.

9.2 The SAC-4 Scintillation Smear Counter is calibrated annually in accordance with Radiation Instrumentation procedures and performance tested each shift (or prior to use) according to ROI 6.3, Operation and Performance checking of Alpha Scintillation Smear Counting Instrumentation.

9.3 Surface Contamination Limits for Release of Materials to Uncontrolled Areas:

Table I

Alpha Surface Contamination Limits For Release of Materials to Uncontrolled Areas

	<u>Limit</u>	<u>Instrument</u>
Removable	20 dpm/100 cm ²	SAC-4
Total (Fixed & Removable)	250 cpm	Ludlum 12-1A

Table II

Beta/Gamma Surface Contamination Limits For Release of Materials to Uncontrolled Areas

	<u>Limit</u>	<u>Instrument</u>
Removable	200 cpm*	Ludlum - 31
Total (Fixed & Removable)	200 cpm*	Ludlum - 31

*See Section 10.2

INTEROFFICE CORRESPONDENCE

DATE April 25, 1990 OHP-89-90
TO C. D. Waggoner/J. L. San Pietro
FROM W. M. Somers, OHP, Bldg. 750, X5725 *WMS*
SUBJECT SAFETY CONCERN 90-051

Currently filters are initially screened for radioactivity in the areas and are not allowed to leave the area if the count rate is greater than 2500 cpm. A smear survey is performed in the count room and on the air sample canisters on a daily basis. The results of the smear surveys are all well below the limit of 20 dpm/100 cm². Air samplers are also located in the room. Results of the samples are attached and indicate air concentrations in the room are at normal ambient levels.

The controls currently in place are adequate to ensure the highly contaminated samples do not leave the area which could be a hazard.

WMS:emh

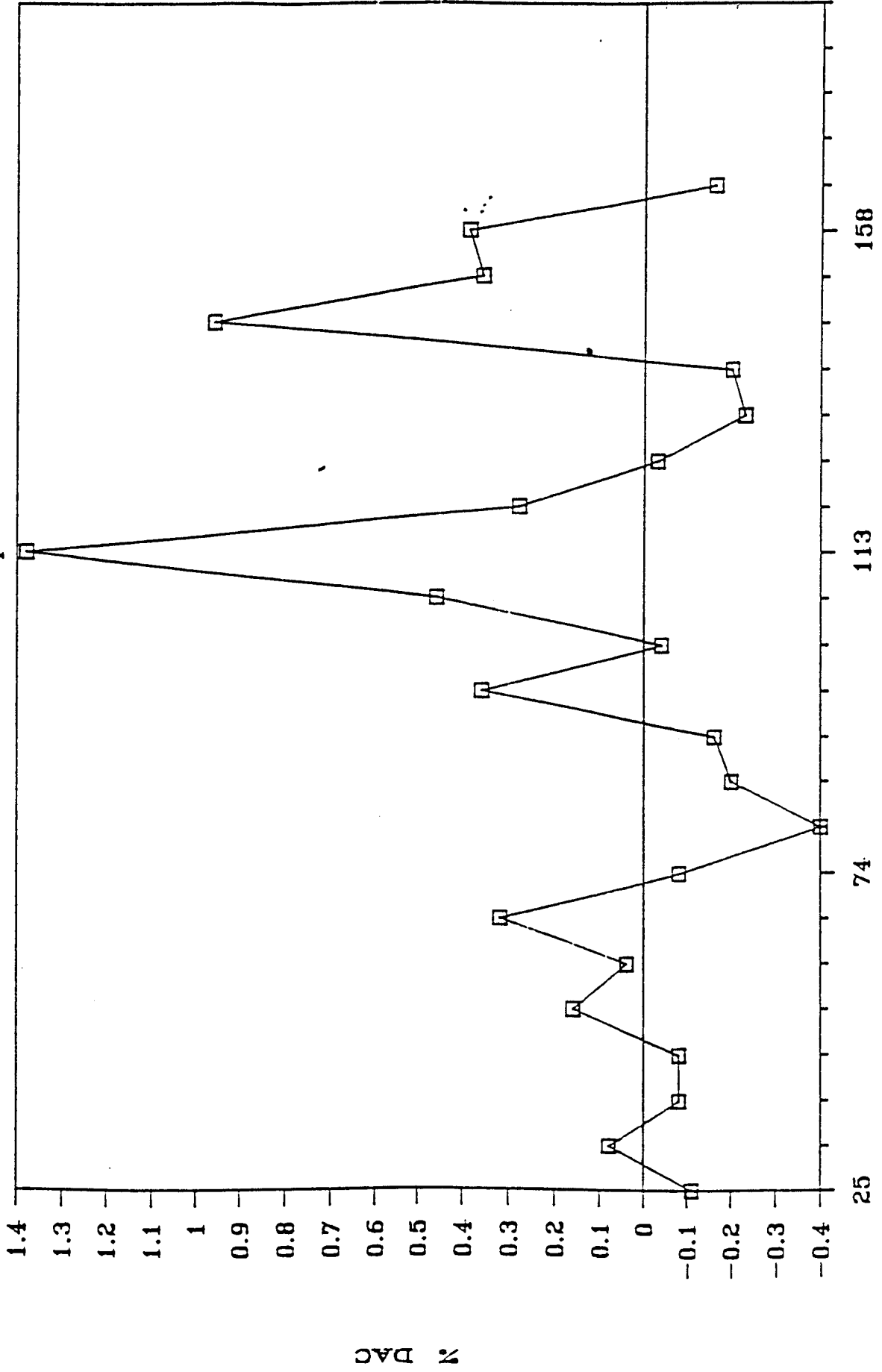
cc:

. A. Buckie
D. C. Hunt
E. D. Lesses
M. A. Peters
J. A. Ray

Courtroom is Room 163

Building 123

Route: II Sample: 31



Days Since 24-APR-90

GENERAL INFORMATION:

(*2) Date Received: L / 30 / 90

(*1) Number: 90-0510

(3) Priority (H,M,L): M

(*4) Title: Air Samples

(5) Initiated by: [Redacted]

(6) Emp. Number: [Redacted]

(*7) Initiation/Start Date: L / 22 / 90

(8) Emp. Phone No: [Redacted]

MANAGEMENT INFORMATION:

(9*) Supervisor/Person Resp: M. Peters

(*10) Phone: 2322

(11) Date Supervisor Answered: L / 22 / 90

(12) Direct Report Manager: JL Alvarez

(13) Phone: 2206

(14) Bldg: 123

(15) Bldg. Manager: GL Potter

SAFETY NOTIFICATIONS:

(17) Date: L / 31 / 90

(16) Discipline: J.M. Langsted

Bldg: 750

(18) Area Safety Eng: G. Shearer

Bldg: T690C

(19) Union Steward: -----

Bldg: -----

(20) Co. Co-Chairman: E. Tietenberg

Bldg: T452B

(21) Union Co-Chair: S. Cordova

Bldg: T690G

(22) Company Member: G.D. Waggoner

Bldg: 334

(23) Union Member: ~~J. San Pietro~~

Re-assigned 2/20/90

L. Samora

INVESTIGATION STATUS:

(25) Date Contacted Employee: __ / __ / __

(*26) Investigation Comments: -----

(*27) Invest. Review/Due Date: __ / __ / __

(28) Status (1-5) __

(29) Actions Indent. (Y or N): __

(30) Interim Letter Date: __ / __ / __

(*31) Close Date: __ / __ / __

(*32) Closed By: -----

To be filled out when submitting action items

JOINT COMPANY/UNION SAFETY COMMITTEE CONCERN FORM

(Use Black Ink Only)

Case No. 90-051

Employee Name [redacted] Employee Number [redacted] Department HSEEL Bldg. 123 Phone [redacted] Shift DAY

I have previously discussed this concern with my supervisor: [X] Yes [] No

Concern (briefly) THE AIR FILTER COUNTING SYSTEM IN ROOM 163, BLDG-123, RECEIVES AIR FILTER SAMPLES OVER 250C/M OR 20D/M. ANY SAMPLE OVER THOSE LIMITS POSE A HEALTH AND SAFETY HAZARD, AND SHOULD BE RETAINED IN A CONTROLLED AREA WITH PROTECTIVE CLOTHING AND PROPER VENTILLATION FOR COUNTING

[redacted] Employee Signature Date Jan 22, 1990

Immediate Supervisor Response (within 5 working days)

AS you know, Charlene, I have turned this concern over to OITP. We (you, Larry H. & I) met with them & all decided to await further clarification by them on the concern. I intend to push this one to a safe conclusion - but need to get the advice of the experts

(OITP) Mark Peters 1/22/90 Supervisor Signature (legibly please) Date

J.C. Alvarez 1-24-90 Direct Report Manager Signature Date

NOTE: Timeliness in completing this form is of the utmost importance.

[] I am satisfied with the results. [X] I am not satisfied. Referral to the JCUSC for investigation because:

I approached Mark & OHS 2 weeks prior to turning in a Safety Concern OHS was supposed to get back with us. but it keeps getting cancelled appointment

To be completed by the JCUSC Co-Chairperson(s)

Assigned To: Union: J San Pietro Date 1/31/90 Company: GD Wagoner Date 1/31/90

Distribution: White - Safety Committee Green - Employee Yellow - Supervision Goldenrod - Union Steward

James D. Kelly
President

Ted Tegeler
Vice President

Michael T. Davidson
Recording Secretary

John A. Cash
Financial Secretary

Patrick F. Kelly
Treasurer



United Steelworkers of America

AFL-CIO-CLC



Local Union 8031

Rocky Flats, Colorado

41  ®

September 10, 1985

G. Campbell
HS&E
Bldg. 111
Rocky Flats Plant

SUBJECT: Safety Concern 85-64, Unnecessary Exposure to Radioactive Material
in the Sample Counting Room (163) in Building 123

The Company and Union cannot reach an agreement for resolution to this Safety Concern. Some improvements have been made, however, further improvements are necessary. A new procedure has been written for this area, but we feel it does not go far enough; a copy of this new procedure is attached. L. J. Olinger, Opr. Health Physics, was contacted about further improvements which the Union feels are necessary. Her reply, "further precautions are redundant beyond reasonable for the level of hazard which exists", exhibits arrogance and is certainly argu-entive, to say the least. This type of attitude is not conducive to a good working relationship between the Safety Committee and Health Physics.

10/4/85

The Union does take exception to this reply and our recommendations for Room 163, Building 123 are as follows:

1. Room air samples be installed.
2. At least one S.A.M. air monitor be installed.
3. Alpha mets with cables be installed on the counting instruments.
4. A combo be placed at the door.
5. Protective clothing be required for personnel working in this room. This is meant to include coveralls, booties and surgeon's gloves which are to be worn when handling samples.
6. The sample containers must be monitored before leaving the PSZ area buildings and the M.T. tag signed by a monitor.
7. If a sample is suspected to be "hot" or greater than the counting instrument will count, the proper protocol is as follows:
 - a) Call Radiation Monitoring in Bldg. 881 for a monitor to respond to the area. The telephone number should be placed by each telephone in a visible area.
 - b) Do not remove the suspected sample from the counting instrument. When the radiation monitor arrives, he/she will remove the sample.
 - c) If the sample is found to be greater than 100% of R.C.G. by the monitor, then the radiation monitoring supervisor of the affected area will be notified immediately so the area in question will be posted for respirators and surveys taken.

James D. Kelly
President

Ted Tegeler
Vice President

Michael T. Davidson
Recording Secretary

John A. Cash
Financial Secretary

Patrick F. Kelly
Treasurer



United Steelworkers of America

AFL-CIO-CLC



Local Union 8031

Rocky Flats, Colorado

41 A small logo of a bug, the symbol of the United Steelworkers of America.

G. Campbell
September 10, 1985
Page 2

- d) Have the radiation monitor perform a smear survey of the area to check for levels of contamination that exceed the 20d/m/100 c/m.
 - e) Personnel will be monitored out by the radiation monitor.
 - f) Have the radiation monitor secure the sample and return it to the area of origin for special counting procedures.
8. Personnel will be monitored out by a radiation monitor at the end of their shift.
 9. All counted samples must be secured at the end of the shift and when appropriate, the samples will be taken back to a building inside the P.S.Z. for disposal.

The Union feels that the ideal area for counting samples would be inside the P.S.Z. area. If this is not possible, it is imperative every effort be made to insure that no Pu will be released to an area where personal clothing is worn and/or possibly taken off site into someone's home or place of business.

We feel that Rockwell International owes its employees, their families and the surrounding communities assurance that every possible precaution is taken to prevent the unnecessary spread of radioactive contamination.

J. San Pietro

J. SanPietro
J.C.U.S.C.
Union Member

cc:
J. Aldrich
J. Castro
R. DelPizzo
R. Link
C. A. Noble
J. Ortiz

Attachment

Dennis Wise
Vice President

Jess Castro
President

Ken Cash
Recording Secretary

Gary Swenson
Financial Secretary

Ray Malito
Treasurer



United Steelworkers of America

AFL-CIO-CLC

Local Union 8031

4510 Indiana Street

Golden, Colorado 80403

41-1111-100®



January 30, 1991

To: J. P. Jens
Health and Safety
Assistant General Manager
T-130-G

From: E. L. Samora, Jr.
Union Safety Committee
T-690-G
Ext. 5298 / D-1752

RE: SAFETY CONCERN NUMBERS 90-051, 90-212, AND 90-426

This letter is an official position of the United Steelworkers on safety concern numbers 90-051, 90-212, and 90-426. All three safety concerns deal with the air sample levels received in building 123, room 163. Room 163 in building 123 does not meet the requirements of a radiation control area by any standard. By sending air samples to building 123 from the radiological control areas greater than 250 counts per minute and greater than 20 disintegrations per minute, we are exposing our members, the environment, and the public to an unnecessary risk.

Administrative controls are not an adequate substitute for engineered features. Operational measures for controlling occupational exposure must be applied to assure that any work with radioactive materials is carried out in the safest manner that is achievable. The RCA areas located in the PSZ have the engineering controls to do this job safe and efficient. This would seem the logical place to do this work, since we have everything in place to accommodate this specific job junction.

These concerns were brought to EG&G twelve months ago and to this date, EG&G has not offered a safe resolution.

A handwritten signature in black ink, appearing to read "E. L. Samora, Jr.", written over a horizontal line.

E. L. Samora, Jr.
Union Safety Representative

cc:

S. A. Buckie	J. Castro
S. Cordova	C. D. DelForge
R. J. Fleischacker	D. M. Hardin
J. R. Majestic, Jr.	J. L. Nazzise
R. M. Nelson	E. I. Tietenberg
R. E. Williams	[REDACTED]
J. O. Zane	

up51-212.426

B. Powell

- 1.) RAD OP's ensure the samples
are less than 2500 -

Linda Light

- 2.) Procedure if a sample is
found and TRAIN Techs

3.) TRAINING -

1.)

100 DPM Limit

B Powell - well

①. A.S. ASTI DIDNT show

② why are air samples getting

Fume Hoods

Room 163 is A-RCA-

Room 112 -

330