

SAFETY CONCERN STATUS REPORT

SC # 88-147

INITIATOR  BLDG: 371
EXT: 

DATE ASSIGNED FOR REVIEW: 12-86-88

ASSIGNED TO: S. Moural
Company Representative

ASSIGNED TO: S. Cardone
Union Representative

SAFETY DISCIPLINE NOTIFIED: J. Langsted
O.H.P. (B-123) DATE: 12-6-88

STATUS:

YOUR SAFETY CONCERN HAS BEEN ASSIGNED TO THE ABOVE JOINT COMPANY/
UNION SAFETY COMMITTEE MEMBERS. THEY WILL BE IN CONTACT WITH YOU
TO DISCUSS THIS CONCERN. CONTACT WILL NORMALLY OCCUR WITHIN TEN
[10] WORKING DAYS.

cc:
J. D. Leigh - Company/JCUSC
J. L. San Pietro - Union/JCUSC
Safety Discipline - (as appropriate)

JOINT COMPANY/UNION SAFETY COMMITTEE CONCERN FORM

(Use Black Ink Only)

Case No. 88-147

Employee Name [Redacted] Employee Number [Redacted]

Department Rad. Mon. Bldg. 371 Phone [Redacted] Shift Day

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

Concern (briefly) Radiation monitors are assigned outside Rm 3606 (deum storage) to operate Bldg. 371 checkout station. Gamma, Neutron readings (2.7 mR/HR) outside Rm 3606 indicate levels that exceed ALARA policy.

[Redacted] Signature 11-10-88 Date

Immediate Supervisor Response (within 5 working days) Assistance from Operational Health Physics has been requested to evaluate the need for shielding at this monitoring location. See attached letter. Every effort will be made to maintain exposures as low as possible.

[Signature] Supervisor Signature (legibly please) 11/17/88 Date
R. G. DelPizzo Direct Report Manager Signature 11/17/88 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 JCUSC for investigation because:
levels (Gamma, Neutron) remain too high to be neglected any longer

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

Assigned To: Union: S. Cordova Date 12-6-88
Company: F. Pineda-Ferrer Date 12-6-88
L. Mourao

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

INTERNAL LETTER

NOV 15, 1988

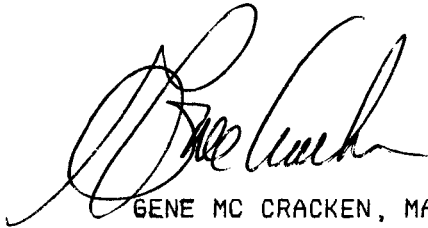
TO: ERIK von HORTENAU
OP HEALTH PHYSICS
BUILDING 750

FROM: GENE MC CRACKEN
RADIOLOGICAL MONITORING
BUILDING 371
4439

SUBJECT: SHIELDING REQUIREMENTS 371 BUILDING

Please evaluate the need for shielding at the following locations based upon surveys to be provided by Radiation Monitoring.

1. Room 3430 monitoring office
2. Step-off pad located outside room 3606



GENE MC CRACKEN, MANAGER
RADIOLOGICAL MONITORING
BUILDING 371/374

Internal Letter



Rockwell International

Date · April 6, 1989

No. ·

TO (Name, Organization, Internal Address)
· D. C. Smith
· Building 371 Operations
· Building 371

FROM (Name, Organization, Internal Address, Phone)
· D. E. Sturgeon
· HS&E Area Management
· Building 371
· 7578

SUBJECT · ELEVATED RADIATION CONCERNS

After an extensive study conducted by the HS&E department, and in order to maintain the as low as reasonably achievable (ALARA) objectives, it is necessary to move the entrance/exit to the Building 371 process area as soon as possible, due to the elevated radiation exposure to personnel.

A study of the other two hallways was also conducted and we found no radiation concerns in either hallway.

When necessary to move equipment and materials, this entrance/exit may be used, provided Plant Protection and Radiological Monitoring are present. Areas of elevated radiation will be posted, per DOE Order 5480.11.

We realize that both the step-off pad and the Guard post must be moved and understand that some time will be required to complete this project. Please make every effort to make this happen as soon as possible.

D. E. Sturgeon, Area Engineer
HS&E Area Management

cc:
C. P. Bader
R. J. Erfurdt
J. M. Langsted
R. E. Richardella
J. D. Weaver

Internal Letter



Rockwell International

Date January 23, 1989

No. DEPGP.12

TO (Name, Organization, Internal Address)

E. E. McCracken
Radiological Monitoring
Building 371

FROM (Name, Organization, Internal Address, Phone)

E. F. von Hortenau
Oper. Health Physics
Building 750
x7103

SUBJECT DOSE EQUIVALENTS AT PROPOSED GUARD POST

Per your request, I have measured radiation dose equivalents at the proposed interior guard post in Room 3187B of Building 371.

TLD units were placed on west and south walls of the room and remained in place from 1100 on 1/10/89 to 1100 1/17/89 (168h). The total deep dose equivalents measured were 20 and 10 mrem, respectively.

Assuming that the measurement period was operationally typical, employee dose equivalents at the proposed guard post will be well below 0.5 mrem/h and no cause for concern.

E. F. von Hortenau
Operational Health Physics

cc:

J. M. Langsted
D. C. Smith
D. E. Sturgeon

Internal Letter



Rockwell International

Date · December 1, 1988

No. · RDE.12

TO (Name, Organization, Internal Address)

FROM (Name, Organization, Internal Address, Phone)

· E. E. McCracken
· Radiological Monitoring
· Building 371

· E. F. von Hortenau
· Oper. Health Physics
· Building 750
· x7103

SUBJECT · RADIATION DOSE EQUIVALENTS IN BUILDING 371

On 11/15/88 you requested an evaluation of the need for shielding at two locations in Building 371 based on surveys to be provided. On 11/30/88 you provided me with the surveys in support of the request. The following is an evaluation based on those surveys:

Room 3430 - The highest dose equivalent rate in this room is 0.3 mrem/h. This is well below established limits and goals and no action is required.

Step-off pad outside Room 3606 - Dose equivalent rates range from 8.4 mrem/h at the wall to 1.5 mrem/h at 8'. This area must be posted as a RADIATION AREA per DOE Order 5480.11 (4-5-88). Having a manned step-off pad with these dose equivalent rates is unacceptable. In fact, dose equivalent rates in offices and hallways should not exceed 1.0 mrem/h.

Immediate action is required to either:

1. Provide sufficient shielding or remove/relocate drums in Room 3606 that dose equivalent rates in the hallway do not exceed 1.0 mrem/h.

or

2. Relocate the step-off area and post and control personnel movements in the hallway outside Room 3606.

E. F. von Hortenau
Operational Health Physics

cc:

J. M. Langsted
D. C. Smith
D. E. Sturgeon

Internal Letter



Rockwell International

Date . April 17, 1989

No. .

TO (Name, Organization, Internal Address)

. D. C. Smith
. 371 Operations
. Building 371

FROM (Name, Organization, Internal Address, Phone)

. D. E. Sturgeon
. HS&E Area Rep
. Building 371
. Extension 7578

SUBJECT. 3031B STEP-OFF PAD IN BUILDING 371

This letter is in response to the potential safety concern of elevated exposure levels at the main entrance/exit to the Building 371 Process Area. At the meeting on this issue, held on 4/13/89, the following position was developed:

- Arrangements will be made to facilitate the movement of the step-off pad in question within two weeks of the referenced meeting date.

Concurrently, Facilities Engineering is to provide the proper shielding design that will resolve this issue and Maintenance will then implement the designed shielding. The design and implementation must be completed by 4/27/89 or the movement of the step-off pad will take place.

D. E. Sturgeon
371 HS&E Area Representative

cc:

G. L. Aguero
G. Aldrich
C. P. Bader
B. A. Bell
E. L. Bellagamba
S. A. Buckie
R. V. Bynum
B. A. Hoppers
J. M. Langsted
J. M. Radigan
L. L. Rands
R. E. Richardella
E. L. Samora
D. C. Smith
D. E. Sturgeon
E. F. Von Horatenau

Internal Letter



Rockwell International

Date · May 3, 1989

No. · 89LM-33

TO (Name, Organization, Internal Address)
· [REDACTED]
· Radiation Monitoring
· Building 371
· Ext. [REDACTED]

FROM (Name, Organization, Internal Address, Phone)
· L.D. Monroe
· S. Cordova
· JCUSC
· Ext. 5298

SUBJECT · Safety Concern Number 88-147

In response to your safety concern involving the exposure of radiation monitoring employees outside of room 3606 in Building 371, two initiatives have been accomplished. The immediate initiative was to move the radiation monitors and the step-off pad to the west hallway. The second initiative involved developing and implementing a shielding plan to decrease to the lowest level possible any exposure from the drum storage room 3606.

To further reduce exposure to employees that work in close proximity to the step-off pads, plans have been formulated to move the step-off pads to a location that will present the lowest achievable exposure.

The Joint Company/Union Safety Committee considers this safety concern satisfied and therefore has closed its file.

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 Joint Company/Union Safety Committee.

L.D. Monroe
Company Representative
Joint Company/Union Safety Committee

S. Cordova
Union Representative
Joint Company/Union Safety Committee

Copies:

J.D. Leigh
D.C. Smith