



R2-B64  
Ex.6

Westinghouse  
Electric Corporation

Commercial Nuclear Fuel Division

Drawer R  
Columbia South Carolina 29250  
(803) 776 2610

EKR97117

Date: September 19, 1997

Subject: RELEASE FROM 8A SCRUBBER

To: Jim Heath

An evaluation of this event was performed from the standpoint of reportability to the NRC under 10CFR70.50(b)(1). The event involving a leak of contaminated liquid onto the roof occurred during the afternoon of 9/18/97. The area was immediately isolated, and decontamination was begun. By the afternoon of 9/19/97, all material was decontaminated except for a small portion of the roof under the 8A Platform.

However, this does not constitute reportability under 10CFR70.50(b)(1) for the following reasons:

- The area under the 8A platform is not a normally occupied area. Therefore, the area was restricted for purposes of decontamination in accordance with RCWP 97-011.
- The estimated quantity of material remaining to be decontaminated was less than five times the annual limit of intake for uranium (5 times 0.04 microcuries = 0.2 microcuries = 444,000 dpm). This is based on an assumption that the measured residual activity was an average of approximately 500 dpm/100 cm<sup>2</sup> spread over an area of approximately 75 square feet. This represents approximately 346,000 dpm.

The decontamination included wet wiping and mopping of the area, painting areas which were difficult to decontaminate, and covering the contaminated areas of the roof with roofing materials.

RCWP 97-011 will be placed in the decommissioning file as evidence that residual contamination exists in this area of the roof.

Ed Reitler

Regulatory Engineering & Operations

Information in this record was deleted  
in accordance with the Freedom of Information  
Act, exemptions 6  
FOIA-2006-0026

E-1

RCWP 97-011, "Re-roof Area Under 8A Platform", was reviewed for compliance with regulations and procedures. REO Technician surveillance included radiation surveys, contamination surveys of equipment and personnel, impactor air samples, and nasal smears. There were no significant problems noted.

Work on this project has been completed.

Please destroy all floor copies of this RCWP (P. Roebuck).

This RCWP is now closed to further activity.

cc: P. Roebuck



Ed Reitler  
Regulatory Engineering & Operations  
November 19, 1997

**RADIATION CHEMICAL WORK PERMIT**

FORM NO.: RA-207-2  
REVISION: 13  
PAGE: 1 OF 2  
EFFECTIVE DATE: 01-16-97

**A COPY OF THIS RCWP MUST BE POSTED AT THE WORK SITE**

RCWP # 97-011  
COMPANY: RADCO  
DATE: Start Date: September 19, 1997  
LOCATION: Roof Under 8A Platform  
JOB: Re-roof area under 8A platform (see attachment)

**PRE-JOB REVIEW**

- Yes  No 1. Will containment be broken?  
If yes, identify secondary containment/ventilation and steps to be taken to provide adequate radiation protection for personnel, and to limit/contain airborne and other contamination.  
\_\_\_\_\_  
\_\_\_\_\_
- Yes  No 2. Has job site been inspected by Regulatory Engineer?  
\_\_\_\_\_  
\_\_\_\_\_
3. Note any special requirements/steps to be taken to fully protect all personnel and to keep any exposure radiation ALARA (As Low As Reasonably Achievable).  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**REGULATORY ENGINEERING & OPERATIONS TECHNICIAN RESPONSIBILITIES**

Regulatory Engineering & Operations Technicians shall oversee the job as required by procedure RA-207, "Radiation Chemical Work Permit," and ROP-05-055, "Surveillance Non-Routine Operations," survey location for contamination levels, monitor the job at startup and during shift(s) and assure that sound Health Physics and Chemical Safety practices are followed. Observations, instructions and data are to be recorded on ROP-05-055-1, "Surveillance Coverage."

Personnel survey     Nasal Smear     Impactor Sampler     Portable Air Sampler

**HEALTH PHYSICS REQUIREMENTS**

**PERSONNEL RADIATION PROTECTION & CHEMICAL MONITORING**

- Coveralls     Chemical Area     Outside Area     Paper)     Goggles     Apron
- Lab Coat     Safety Glasses     Safety Shoes     Gloves     Full Face Shield
- Supplied Air Respirator (SAR)    \*\*\* Preferred \*\*\*
- Full-Face Respirator

Shoes shall be provided for contractor for contamination control purposes, and shoes shall be retained by Westinghouse.

**CONTAMINATION CONTROL:**

Sufficient to restrict traffic

- Rope off area to a radius/distance of   \* feet.
- Use plastic covering on floor/equipment.
- Westinghouse Operations personnel to decon area and equipment prior to RCWP personnel commencing work.
- Cover with plastic & tape openings of contaminated equipment, ductwork, \_\_\_\_\_
- Dispose of contaminated waste/parts per authorized CNFD procedures.
- Work site to be thoroughly cleaned following job completion and inspected/released by REO technicians.

**ADDITIONAL INSTRUCTIONS:**

All signees shall assure that assigned personnel adhere to all Health Physics requirements as specified in procedures RA-203 and RA-207 and as directed by Regulatory Engineering & Operations.

<p><u>P. Roebuck</u>    9/19/97          Requestor (P. Roebuck)    Date</p> <p><u>P. Roebuck</u>    9/19/97          Job Supervisor (P. Roebuck)    Date</p> <p><u>Paul G. Smith</u>    9/19/97          REO Technician    Date</p> <p><u>Paul G. Smith</u>    9/19/97          REO Technician    Date</p> <p>_____          REO Technician    Date</p> <p><u>Ed Reiter</u>    9/19/97          Regulatory Engineer (Reiter)    Date</p>	<p><u>W. Brund</u>    9-19-97          Work Area Manager (Alstad)    Date</p> <p><u>Ed Reiter</u>    9/19/97          Regulatory Eng. &amp; Operations Suprv. (Reiter)    Date</p> <p>_____          REO Technician    Date</p> <p>_____          REO Technician    Date</p> <p>_____          REO Technician    Date</p>
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**RADIATION CHEMICAL WORK PERMIT  
PERSONNEL QUALIFICATIONS**

FORM NO.: RAF-207-2  
 REVISION: 1  
 PAGE: 1 OF 1  
 EFFECTIVE DATE: 01-16-97

RCWP #: 97-011

COMPANY: RA DCO

YES    NO

- 1.    Have assigned personnel been instructed in Procedure RA-203, "General HP Rules and Recommendations?"
- 2.    Have assigned personnel had:
  - a.    Radiation Protection Training?
  - b.    Respiratory Protection Training?
  - c.    Respirator Fit Test?
  - d.    Respirator Medical approval?
  - e.    Applicable Chemical Safety Training?
- 3.    Have assigned personnel:
  - a.    Provided urinalysis samples?
  - b.    Taken invivo count?
  - c.    Been assigned to Personnel Exposure System (PES)?
  - d.    Been issued monitoring device?
- 4.    List below (or on attachment) those personnel authorized to perform RCWP work.

NAME	SOCIAL SECURITY NUMBER
Ken Fisher	] Ex. 6
Jim Moran	
Contractors briefed by Ed Reitler 11/19/97	
Escort provided by Pete Roebuck	

Geel Rich  
 Regulatory Engineering & Operations

9/18/97  
 Date

RCWP 97-011

RE-ROOF AREA UNDER 8A PLATFORM

ROOFING CONTRACTOR

Start Date: September 19, 1997

- This job involves re-roofing the area under the 8A Platform to repair an area which was decontaminated as a result of a liquid spill on the roof. Pete Roebuck shall assure that the roofing contractor is escorted full time during the job.
- Personnel shall notify REO Technician at job startup for surveillance to determine the extent of contamination and for surveillance during the job.
- The contractor shall be briefed by Regulatory Engineering & Operations prior to beginning the job on regulatory issues, including the extent of contamination and precautions to be used during the job.
- The contractor shall be equipped with Westinghouse-supplied shoes, coveralls and gloves for contamination control purposes. All such personnel protective equipment shall be retained by Westinghouse when the contractor leaves the site.
- All materials and equipment used by the contractor shall be surveyed by the REO Technician before being released.
- The REO Technician shall perform contamination surveys of the contractor during the job and at job completion to verify that contamination is within limits.
- Take precautions to minimize contamination of the work area and to avoid tracking of contamination from the areas. Contact the REO Technician if a contamination control problem is noted.
- Coordinate disposal of materials with URRS personnel.
- Work site must be completely cleaned following completion of the job and material disposed in accordance with instructions and approval of URRS personnel.

*Ed Reitler*

Ed Reitler  
Regulatory Engineering & Operations  
September 19, 1997