

Marvin M. Mann, Asst. Director for Compliance
Division of Inspection, Washington, D. C.

September 29, 1958

Donald I. Walker, Director, Division of
Licensee Inspection, Idaho Operations Office

ORIGINAL SIGNED BY
DONALD I. WALKER

COMPLIANCE INSPECTION REPORT - UNION CARBIDE NUCLEAR COMPANY, GREEN
RIVER, UTAH - LICENSE NO. R-105

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Transmitted herewith are four (4) copies of subject report.

Items of noncompliance noted in the report are 10 CFR 20.201(b),
lack of complete survey; 20.203(e)(2), no posting of areas;
20.203(f)(2), no marking of containers; and 20.207, licensed
material stored in unrestricted area.

It should be noted that each of the items of noncompliance was
discussed with mill personnel in Green River at the completion of
the inspection and again with Paul McDaniel and A. L. Schaefer on
July 28, 1958, in Salt Lake City, Utah. The general nature of the
inspections of the mills was also discussed with J. F. Brenton,
Manager of Union Carbide Nuclear Company plants, in Grand Junction,
Colorado, on December 7, 1957. Alternate methods of posting of
areas and marking of containers were discussed at all three meetings.

The Green River facility, as noted in the report, is located about
 $\frac{1}{2}$ mile from the town of Green River, Utah. The Green River passes
fairly close to the mill site, but no liquid effluents were observed
to be flowing into the stream. An effluent problem may arise when
substantial tailings are accumulated and liquid level in the tailings
area rises.

As noted in the report, part of the facility was shut down due to an
overflow of one of the acid-leach tanks. However, the general
appearance of the mill was fair as far as dust accumulation was
concerned. The crushing and sampling sections were in operation at
the time of the inspection.

The mill is not fenced and, as noted in the report, ore storage is
located in the mill area without suitable protection against un-
authorized removal. As in similar situations, the licensee is cited
for this, though it is the opinion of the writer that no health
hazard results or can result from such a situation. I am of the
opinion that all mills could be readily exempted from complying with
Section 20.207.

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The licensee may find it difficult to comply with the regulations, or the intent thereof, for posting and marking since the area is not fenced. However, only one roadway leads to the mill facility and the licensee could easily place a suitable sign on the roadway just before entering the milling area. The idea was discussed with the mill personnel.

You will also note that the adequacy of the mill survey conducted by McDaniel in January was discussed with him and Schaefer in the latter part of July. It is my opinion that an adequate survey of this facility will be made by these individuals as soon as practical and that suitable corrective action will be taken by the company where excessive concentrations of airborne activity are found.

This office, therefore, makes the following recommendations. The Division of Licensing and Regulation should make contact with the licensee through J. F. Brenton, Manager, Union Carbide Nuclear Plants, Grand Junction, Colorado, specifically identifying the Green River facility (four milling facilities of the company are covered by this license) to determine:

1. The licensee's plans for, and the anticipated date for completion of, an adequate survey to comply with 10 CFR 20.201(b).
2. The corrective measures taken, or to be taken, by the licensee for posting of areas and marking of containers, with the anticipated date of completion of such action.
3. The corrective action taken, or to be taken, by the licensee for securing licensed material stored in unrestricted areas against unauthorized removal.

Item 3, immediately above, is recommended only if the Divisions of Inspection and Licensing and Regulation do not concur with the idea of exempting uranium mills from 10 CFR 20.207.

A followup inspection is recommended upon notification by the licensee that items of noncompliance have been corrected.

Enclosures:

Compliance Inspection Report
UCN Green River Mill (4)

CC: W. B. Carlson, GJ00 w/1 encl.