

Files

JUL 19 1972

Note to Files

TELECON BETWEEN JOE GRAF OF RADIOLOGICAL ASSESSMENT BRANCH AND L. LEWIS OF DUKE, JULY 14, 1972 - RADIOACTIVE EFFLUENTS TECH SPEC FOR OCONEE UNIT 1

Technical matters that were left outstanding at the time of the July 13, 1972 meeting at the Oconee site on the subject technical specification were resolved by phone on July 14, 1972. Joe Graf's summary of the telecon is attached.

IAP

I. A. Peltier

cc: I. Peltier (2)
A. Schwencer
R. C. DeYoung
J. Kastner
J. Graf

8001070 553

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TECHNICAL SPECIFICATIONS FOR OCONEE RADIOACTIVE
EFFLUENTS - TELEPHONE CONVERSATION

Mr. Lionel Lewis of Duke Power called with regard to the staff's recent guidance on the radioactive effluent portion of the Oconee technical specifications. The following points were discussed:

1. Station Limit vs. Unit Limit - They prefer to write limits in terms of the station including all units because this gives them operational flexibility. This had been done in the guidance for all effluents, except iodine, since the predicted annual releases for the three units were within Appendix I guidelines. Because the iodine releases would be greater than Appendix I guidelines, the specification was written for a single unit. It was not thought to be "as low as practicable" to use a three unit station limit when only a single unit will be operating at first. The limit will be increased if necessary as each unit comes on line.

2. Gaseous Release Limit Expression - They prefer to express a gaseous release limit as

$$\frac{\lambda}{Q} \lambda \leq \frac{G_i}{(MPC)_i} \leq .02$$

rather than

$$\frac{G_i}{(MPC)_i} \leq 4300$$

which for their λ/Q (4.61×10^{-6} sec/m³) is the same thing.

3. The Nearest Cow - The nearest cow to Oconee is at the nearest dairy farm which is 4.5 miles west. There had been a closer cow but it was sold last year. The applicant calculates a λ/Q at this dairy of $.122 \times 10^{-7}$ sec/m³.
4. Iodine Release Limit - They questioned the numerical guidance for the iodine release limit. They had calculated a lower release limit (annual average .12 C. of I) which is based on the λ/Q at the nearest dairy and the Appendix I limit of (10 CFR 20)/(100,000). The limit sent to them as guidance was based on the AEC source term for one unit.
5. More Flexible Gaseous Release Limits - The specification for operation of the liquid rad waste equipment had been written so that very low level wastes could be released without processing as long as the total release was within Appendix I guidelines on a quarterly basis. They wanted to apply the same philosophy to gaseous waste hold-up times. They would write the specification so that low activity gaseous wastes could be vented with less than 30 days hold-up if the hold-up tanks were needed for higher level gaseous wastes. The releases at all times would be kept within Appendix I guidelines.

Conclusions reached were 1) they will recalculate the iodine release limit, 2) they will rewrite the specification for gaseous waste hold-up time and, 3) they will think about writing the limit for iodine based on single unit releases.