



UNITED STATES
ATOMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

APR 6 1972

Docket No. 50-298

Mrs. Jeff Broady
Brownville, Nebraska 68321

Dear Mrs. Broady:

Thank you for your letter of February 28, 1972. I am pleased to know that arrangements have been made for a meeting between you, representatives of NPPD and representatives of the AEC to discuss a program to assure that there is no detrimental effect to your farm from the operation of Cooper Nuclear Station. Mr. William F. Marlow, Radiochemist, of this division will be present at this meeting. I am sure that discussions at that time of the radiological environmental monitoring programs at Cooper Nuclear Station and Fort Calhoun Station will resolve your questions.

You asked for an explanation of the legal situation regarding the permissible levels of radiation at the boundaries of Cooper Nuclear Station. At the present time, under the provisions of 10 CFR Part 20 (a copy of which you received previously), 500 mrem/yr is the maximum legal dose permitted to the whole body of an individual beyond the boundary of Cooper Station resulting from the operation of Cooper Station. However, present regulations also require that the station be operated so as to keep such doses as low as practicable. At this time numerical values have not been set for such doses. As you probably are aware, there are public hearings being held at present on the numerical guidelines for "as low as practicable" concept which is called for in 10 CFR Part 50.

Levels now being discussed are 5 mrem/yr from gaseous and 5 mrem/yr from liquid effluents on an annual average basis, with certain flexibility for the station to continue operating if these levels are exceeded for a short time, to allow for corrective action to be taken to reduce the

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mission rate below the 5 mrem per year annual average. It is generally felt that nuclear power stations will be required to operate in such a manner that offsite radiation from a plant is not likely to exceed the 5 mrem/yr level.

I trust that this letter and the meeting scheduled on April 12, 1972, will satisfactorily answer all of your questions.

Sincerely,

L. Rogers
Lester Rogers, Director
Division of Radiological and
Environmental Protection

cc: J. R. Buchanan, CRNL
Ray E. Hall, Region IV
Div. of Compliance, Denver
H. K. Shapar, OCC