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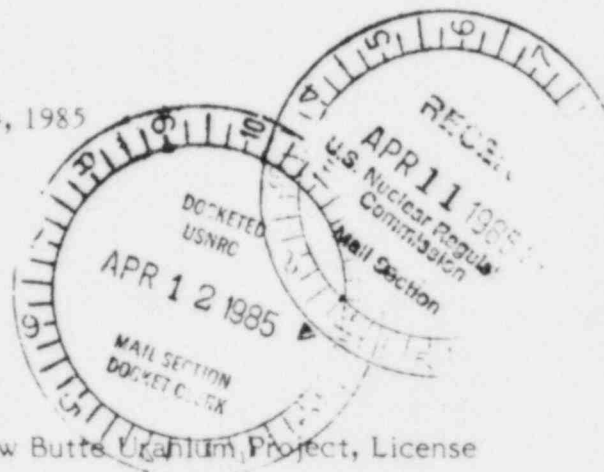
40-8829

Wyoming Fuel CompanyRETURN TO ~~WYOMING FUEL COMPANY~~ PDR

12055 W. Second Place • P.O. Box 15596 • Lakewood, Colorado 80215 • Telephone (303) 989-5037

April 4, 1985

U.S. Nuclear Regulatory Commission
 Region IV
 Uranium Recovery Field Office
 Box 25325
 Denver, Colorado 80225
 Attn: Mr. R. Dale Smith, Director



RE: Sample Locations for Airborne Radionuclides, Crow Butte Uranium Project, License No. SUA-1441, Docket No. 40-8829

Dear Mr. Smith:

As per Condition No. 36 of SUA-1441, Wyoming Fuel Company (WFC) is required to submit locations for the survey of airborne natural uranium and radon or radon progeny at the Crow Butte Project.

WFC proposes that the in-plant monitoring station for airborne natural uranium be located between the uranium precipitation tank and the uranium slurry storage tank. The sample location is shown on the attached Plant Layout. This location was chosen on the basis that this area has the highest probability of occurrence of airborne natural uranium.

WFC proposes that in-plant radon or radon progeny monitoring be carried out at two (2) locations:

1. between the production surge tank and the reverse osmosis feed tank
2. between ion exchange Columns A and B.

These sample locations are shown on the Plant Layout. These locations are considered to be the areas where radon or radon progeny are most likely to be present. The licensee will survey these designated locations as specified in Condition No. 36 of SUA-1441.

WFC proposes that the environmental sample locations for radon be those specified in the Radiological Operational Monitoring Program found in Table 5.7-3 of Section 5.7 of the licensee's February 11, 1983 Application and Supporting Environmental Report. These locations are shown in Figure 5.7-1, Radiological Operational Sample Locations (1-6-83). These locations were used in the WFC Pre-operational Monitoring Program for radon measurements and meet the criteria specified in Condition No. 36; i.e., the requirement to monitor radon concentration at and near the site boundary.

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Certified By Mary C. Hord

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U.S. Nuclear Regulatory Commission
April 4, 1985
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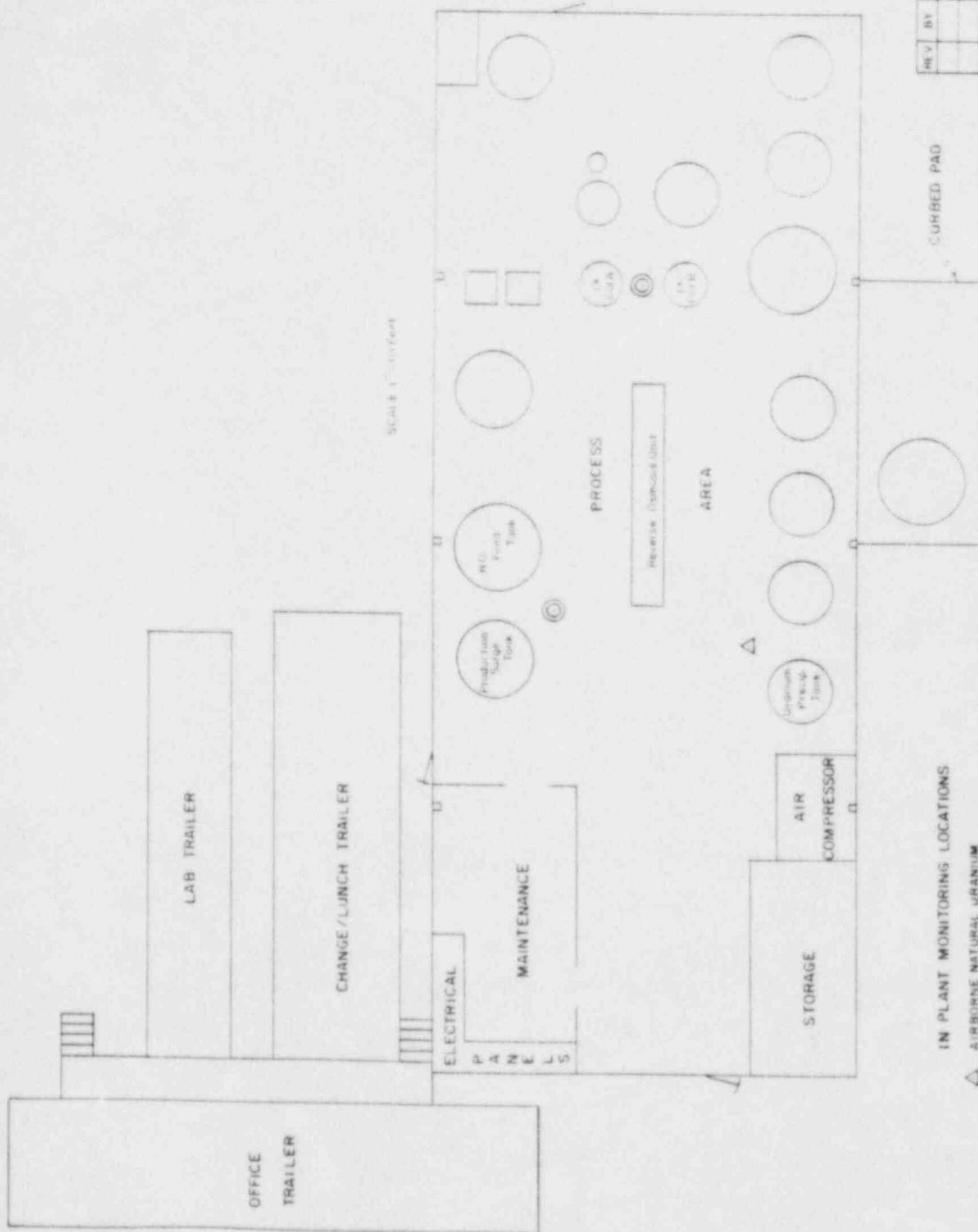
If you have any questions or require further information please feel free to contact me at (303) 989-5037.

Sincerely,

Stephen P. Collings

Stephen P. Collings
Manager - Uranium Development

SPC/tl



IN PLANT MONITORING LOCATIONS
 △ AIRBORNE NATURAL URANIUM
 ⊙ RADON PROGENY

REV	BY	DATE

WYOMING FUEL COMPANY
 CROW BUTTE PROJECT
 Dawes County, Nebraska
 CROW BUTTE PILOT PLANT
 Plant Layout
 PREPARED BY: J. H. H. H.
 DATE: 4/2/80