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FPD FACILITIES - RADIOLOGICAL STATUS

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FPD FACILITIES - RADIOLOGICAL STATUS

BY

B. R. Black

MANUFACTURING OPERATION
QUALITY CONTROL OPERATION
PROCESS CONTROL ENGINEERING
FUELS PREPARATION DEPARTMENT

May 10, 1962

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J. W. Vanderbeek

B. R. Black

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May 10, 1962

J. W. Vanderbeek, Senior Engineer
Evaluation and Studies

FPD FACILITIES - RADIOLOGICAL STATUS

This report contains the information that you requested about the radiological status of FPD facilities as regards an accident affecting the environment. The attached table lists all FPD facilities and their radiological hazard potential in the form you requested. The quantities shown are averages and may vary by as much as 50 per cent, or more in a few cases. The Maximum capacity is also shown for enriched uranium storage facilities. Please feel free to call on me if further information is desired.

BR Black

Engineer
Radiation and Toxic Material Control

BR Black:lg

Enclosure

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RADIOLOGICAL HAZARD POTENTIAL OF FPD FACILITIES

<u>Bldg. Number</u>	<u>Building Title</u>	<u>Type of Material</u>	<u>Quality Curies</u>
303A	Uranium Storage Bldg.	0.94% enriched U	25 Ave. 75 Max.
303B	Uranium Storage Bldg.	0.94% enriched U	5 Ave. 10 Max.
303C	Uranium Storage Bldg.	Natural U	60 Ave. 90 Max.
303E	Uranium Storage Bldg.	0.94% enriched U	30
303G	Uranium Storage Bldg.	0.94% enriched U	35 Ave. 70 Max.
303L	Oxide Burner	0.94% enriched U	0.1
304	Storage Building	0.94% enriched or natural U	2
305	305 Test Reactor	0.94% enriched U Natural U	1 2
306	Pilot Plant (FPD portion only)	0.94% enriched U Natural U	5 12
313	ALSI Shop	0.94% enriched U Natural U	35 360
326	Physics & Metallurgy Bldg. (FPD portion only)	Natural Uranium	1
333	Coextrusion Shop	0.94% enriched U	50
3706	General Services Bldg. (FPD portion only)	0.94% enriched U Natural U	0.5 0.5

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<u>Bldg. Number</u>	<u>Building Title</u>	<u>Type of Material</u>	<u>Quality Curies</u>
3712	FPD Warehouse	Natural U	860
3715	FPD Warehouse	0.94% enriched U	3
3716	FPD Warehouse	0.94% enriched U Natural U	2 10
3732	Process Engineering Laboratory	0.94% enriched or natural U	1
301	Garage and Equipment Storage	None	
303F	Chemical Storage	None	
303J	Office Bldg.	None	
303K	Maintenance Facility	None	
352B	Substation	None	
382	Pump House	None	
384	Power House	None	
3503A	Electrical Cable Pit	None	
3503B	Electrical Cable Pit	None	
3621A	Generator Shelter	None	
3706A	Ventillation Equipment Bldg.	None	
3707A	Office Bldg.	None	
3707B	Janitor Services Bldg.	None	
3707D	Change House	None	
3708	Electrical Shop	None	

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<u>Bldg. Number</u>	<u>Building Title</u>	<u>Type of Material</u>
3710	Oil Storage Bldg.	None
3713	Maintenance Shop	None
3717	Machine Shop	None
3717B	Instrument Shop	None
3722	Maintenance Shop	None
3734	Maintenance Storage	None
3734A	Paint and Solvent Storage	None
3746D	Craft Training Hutment	None

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8 / 30 / 93

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