



Commonwealth Edison
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Regulatory

Co.

May 9, 1974

Mr. D. L. Ziemann, Chief
 Operating Reactors - Branch 2
 Directorate of Licensing
 Office of Regulation
 U.S. Atomic Energy Commission
 Washington, D.C. 20545

Subject: Dresden Station, Units 2 and 3 - Ultrasonic
 Resin Cleaners - Dkt Nos. 50-237 and 50-249

Dear Mr. Ziemann:

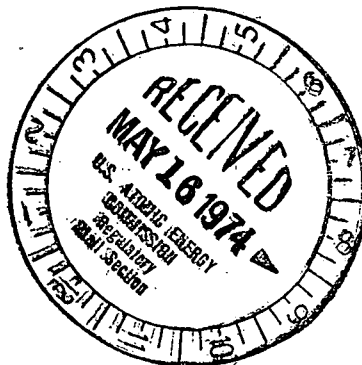
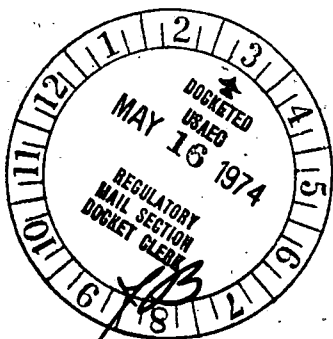
In response to your letter dated March 25, 1974, attached is a tabulation of the data you requested concerning ultrasonic resin cleaners. The data provided is numbered to correspond to the lists of requests attached to your letter. If you require any additional information, please contact me at your convenience.

As requested, one signed original and 14 additional copies of this letter are submitted.

Very truly yours,

J. S. Abel
 J. S. Abel
 Nuclear Licensing Administrator
 Boiling Water Reactors

Att.



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ATTACHMENT A

1. Type, number, and size of demineralizers using ultrasonic clean up system.

Type - Gravier
Number - 18
Size - 180 ft³

2. Type of Resin

Dow Mfg. - IWT Supplier
Anion - SBR-P-OH
Cation - HCR-W-H

3. Normal and design flow rate temperature conditions and pressure in the demineralizer.

Normal (Ave) - 3100 GPM - Temp.: 110°F - Pres.: 108#
Design - 3270 GPM - Temp.: 130°F - Pres.: 175 psig

4. Normal frequency of chemical regenerations.

Frequency - 2 beds/wk => each bed every 9 weeks

5. Volume and radioactivity of wastes produced due to chemical regenerations.

Volume - 16,000 Gal/Regeneration @ 2 Regenerations/wk
32,000 Gal/wk

Radioactivity - This information is not available due to the fact that during the initial start-up procedure, the radioactivity of wastes produced due to chemical regenerations did not require analyzing or recording. The present operating procedures do not require that this information be taken.

6. Frequency of ultrasonic cleaning.

Frequency - URC one (1) Bed/Day and URC Bed prior to regeneration.

7. Volume and activity of wastes produced due to ultrasonic cleaning.

Volume - Transfer water 5000 - 7000 Gal
URC 10,000 - 12,000 Gal

Activity - This information is not available due to the fact that during the initial start-up procedure, the activity of the wastes produced due to ultrasonic cleaning did not require analyzing or recording. The present operating procedures do not require that this information be taken.

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8. If the units were operated prior to installing ultrasonic cleaning devices, provide information in 4 through 7 for previous operation, substituting backwash data for ultrasonic data.

Unit #2 - This information is not available because no requirement for operational data was required and therefore no data was kept. The system was backwashed which resulted in the loss of resin.

Unit #3 - Unit was initially operated with URC installed.

9. Overall effect of ultrasonic resin cleaning.

Resin life - Increased, liquid waste generation - rate - decrease, coolant purity - Increased -