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4F.140

WC-091-96
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Docket No. 50-461

10CFR21.21

Document Control Desk
Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: 10CFR21 Interim Report 21-96-001: Ideal Generator
Installed with Emergency Diesel Generators Have
Generator Rotor Mass Greater Than Originally Calculated

Dear Sir:

On January 15, 1996, Illinois Power (IP) identified a condition involving the Divisions 1 and 2 Emergency Diesel Generators (EDGs) as potentially reportable under the provisions of 10CFR21. Specifically, Condition Report (CR) 1-96-01-029 was initiated to identify that Ideal Electric, the manufacturer of the generator portion of the EDGs, had discovered that the mass of the generator rotors had been incorrectly calculated. The revised calculation shows a larger rotor mass and rotational inertia.

IP has completed an evaluation of the impact of this condition on the seismic qualification of the diesel generator units and has concluded that the increase in mass has no adverse impact on the units. However, IP has not completed an evaluation of the impact on the frequency and torsional analysis of the units. IP purchased the EDG units from Stewart & Stevenson. The generators are Ideal model numbers SA6-50 and SA6-44, and Ideal drawings B-MED-221 and B-MED-217.

The evaluation for reportability under the provisions of 10CFR21 is currently scheduled to be completed by July 12, 1996. Following completion of the evaluation, IP will report the results to the NRC in a final report. Additional information regarding this issue may be obtained by contacting M. M. Gandhi, Engineering Projects, at (217) 935-8881, extension 4082.

Sincerely yours,

Wilfred Connell
Vice President

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cc: NRC Clinton Licensing Project Manager
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Illinois Department of Nuclear Safety
INPO Records Center
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Steward & Stevenson