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U-602579
4F.140
WC-145-96
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Docket No. 50-461

10CFR21.21

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

Subject: 10CFR21 Final Report 21-96-001: Ideal Generators
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 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.

On March 13, 1996, IP submitted an interim report (IP letter U-602564) to inform the NRC that the reportability evaluation for the condition was not complete. In that report, IP noted that an evaluation of the impact of the condition on the seismic qualification of the diesel generator units was complete and concluded that the larger rotor mass has no adverse impact on the units. The interim report further noted that IP had not completed an evaluation of the impact of the larger rotor mass on the frequency and torsional analysis of the units. Prior to the interim report, a preliminary review of the impact of this issue on generator frequency and torsional vibration had been performed and additional evaluation was to follow. The preliminary review had found the condition acceptable.

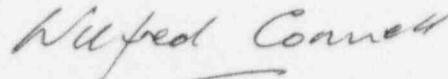
IP has completed an evaluation of the impact of this condition on the frequency and torsional analysis of the units and concludes that the larger rotor mass does not have an adverse impact on the ability of the Divisions 1 and 2 EDGs to perform their intended design function. Therefore, on the basis that this condition could not create a substantial safety hazard, it is not reportable under the provisions of 10CFR21.

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Additional information regarding this issue may be obtained by contacting S. P. Hong, Plant Engineering, at (217) 935-8881, extension 3464.

Sincerely yours,



Wilf Connell
Vice President

RSF/csm

cc: NRC Clinton Licensing Project Manager
NRC Resident Office, V-690
Regional Administrator, Region III, USNRC
Illinois Department of Nuclear Safety
INPO Records Center
Ideal Electric
Stewart & Stevenson