



Consumers
Power
Company

General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 • (517) 788-0650

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Mr William Russell
SEP Branch Chief
Phillips Building
7920 Norfolk Ave
Bethesda, MD 20014

Attached is the complete list of rotating equipment in the Palisades spent fuel pool area. As we discussed on the phone last week, please replace the list previously provided to you with this new complete list. I am sorry for the delay in completing this item.

Jim Kuemin

J L Kuemin
Senior Engineer
Nuclear Activities

CC File

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Rotating Equipment in Spent Fuel Pool Area

Palisades Plant

A. Fuel Transfer Machine (pull fuel through tube)

1. One forward wench motor; 5 hp - 1,800 rpm
2. One threading motor; 1.6 hp @ 1,725 rpm

B. Tilt Machine

1. One hydraulic pump motor (single speed AC - no SCR control); 1 hp - 1,725 rpm

C. Pool Inspection Elevator

1. One hoist motor (has gear reducer and transmission which is shiftable); 3 hp - 1,750 rpm

D. Pool Side Fuel Handling Machine

1. Bridge drive motor; (2 each) 1 hp - 1,725 rpm
2. Trolley drive motor; (2 each) 1 hp - 1,725 rpm
3. Main hoist motor with big gear reducer; 1.5 hp - 2,500 rpm (DC)

NOTE: A, B, C and D above are provided by Programed and Remote Systems of Minneapolis, MN and are universal motors powered by AC with SCR controls i.e., operate at various speeds.

E. New Fuel Inspection Machine (elevator)

1. One AC elevator drive motor (screw drive); 3 hp - 1,800 rpm
2. One inspection frame drive motor (up on top with pulley and counter-weight drive). Motor is small and has variable speed control; 1 hp - 1,800 rpm

F. Main Crane (100 ton)

1. Main hoist motor; 75 hp - 900 rpm
2. Auxiliary hoist motor; 50 hp - 1,200 rpm
3. Bridge drive motor; 20 hp - 855 rpm
4. Trolley drive motor; 7.5 hp - 1,135 rpm

G. Vent Fans

1. North supply fan - Main fan motor; 3 hp - 1,800 rpm
- Filter drive motor; 1/6 hp - rpm unknown
2. Exhaust fans (next to elevator shaft) with HEPA and charcoal filters
 - a. One fan motor on V8A - Belt drive; 7.5 hp - 1,725 rpm
 - b. One fan motor on V8B - Belt drive; 7.5 hp - 1,725 rpm
 - c. Roughing filter media drive motor; 1/6 hp - rpm unknown

Rotating Equipment (Contd)

- H. Auxiliary Building Elevator Drive Motor (about 15 hp). Sits in block enclosure up over south end of Fuel Pool area; dual hp (7.5/1.5) - 1,045/200 rpm
- I. Fuel Pool TV Camera has tilt and pan drive motors; 1/16 hp - rpm unknown