



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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MURRAY R. EDELMAN
VICE PRESIDENT
NUCLEAR

March 4, 1986
PY-CEI/OIE-0179 L

Mr. James G. Keppler
Regional Administrator, Region III
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
NRC Inspection Item
50-440/85078-03; Review of SOI's

Dear Mr. Keppler:

The purpose of this letter is to document our commitment to perform a reverification of the System Operating Instructions (SOI's) in response to the concerns raised by your staff during their review of open inspection item 50-440/85078-03. The SOI's prepared by the Operations section will be reverified in accordance with the following schedule. The reverification of the SOI's listed in Attachment 1 will be completed prior to fuel load; those listed in Attachment 2 will be completed prior to initial criticality; those listed in Attachment 3 will be completed prior to exceeding 5% power; and those listed in Attachment 4 will be completed prior to turbine synchronization.

Any identified improvements to the SOI's will be incorporated into the instructions in accordance with the schedule outlined above. The program and schedule for this reverification effort has been discussed with your staff. If there are any further questions, please feel free to call.

Very truly yours,

Murray R. Edelman
Vice President
Nuclear Group

MRE:jsd

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Attachments

cc: J. Grobe
NRC Resident Office

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C.

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SOIs TO BE REVERIFIED PRIOR TO FUEL LOAD

<u>SYSTEM</u>	<u>MPL #</u>	<u>SOI #</u>
Nuclear Boiler Instrumentation	B21A	B21
Nuclear Steam Supply Isolation	B21H	B21
Control Rod Drive	C11	C11
Neutron Monitoring	C51	C51
Reactor Protection System	C71	C71
Refueling Equipment	F11/F15	F11/F15
Fuel Transfer Equipment	F42	F42
Emergency Service Water	P45	P45
Emergency Service Water Screen Wash	P49	P49
Service Air	P51	P51/P52
Instrument Air	P52	P51/P52
Penetration Pressurization	P53	P53
Standby Diesel Generators	R43	R43
Standby Diesel Generator Starting Air (Div I/II)	R44	R44
Standby Diesel Generator Fuel Oil (Div I/II)	R45	R45
Standby Diesel Generator Jacket Water Cooling (Div I/II)	R46	R46

SOIs TO BE REVERIFIED PRIOR TO FUEL LOAD

<u>SYSTEM</u>	<u>MPL #</u>	<u>SOI #</u>
Standby Diesel Generator Lube Oil (Div I/II)	R47	R48
Standby Diesel Generator Ventilation (Div I/II)	R48	R48
Reactor Water Cleanup	G33	G33
Fuel Pool Cooling and Cleanup	G41	G41
Control Room HVAC	M25/26	M25/26
Control Complex Chilled Water	P47	P47
Plant Electrical	R10	R10
D.C. Systems	R42	R42

SOIs TO BE REVERIFIED PRIOR TO INITIAL CRITICALITY

<u>SYSTEM</u>	<u>MPL #</u>	<u>SOI #</u>
Emergency Closed Cooling	P42	P42
Nuclear Closed Cooling	P43	P43
Containment Vessel Chilled Water	P50	P50
Fire Protection	P54	P54
Nitrogen Supply	P86	P86
110 VAC Vital Inverters	R14	R14
Technical Support Center Uninterruptable Power Supply	R15	R15
Standby Diesel Generator Starting Air (Div III)	R44	R44
Standby Diesel Generator Fuel Oil (Div III)	R45	R45
Standby Diesel Generator Jacket Water Cooling (Div III)	R46	R46
Standby Diesel Generator Lube Oil (Div III)	R47	R47
Standby Diesel Generator Ventilation (Div III)	R48	R48
Loose Parts Monitoring	R63	R63
Reactor Water Cleanup Filter/Demineralizer	G36	G36
Neutron Monitoring (IRM)	C51	C51 (IPM)

SOIs TO BE REVERIFIED PRIOR TO INITIAL CRITICALITY

<u>SYSTEM</u>	<u>MPL #</u>	<u>SOI #</u>
Neutron Monitoring (APRM)	C51	C51 (APRM)
Redundant Reactivity Control	C22	C22
Standby Liquid Control	C41	C41
Containment Atmosphere Monitoring	D23	D23
Residual Heat Removal	E12	E12
Low Pressure Core Spray	E21	E21
High Pressure Core Spray	E22	E22 A&B
Leak Detection	E31	E31
Suppression Pool Cleanup	G42	G42
Containment Vessel and Drywell Purge	M14	M14
Annulus Exhaust Gas Treatment	M15	M15
Controlled Access Area HVAC	M21	M21
Off Gas Bldg Exhaust	M36	M36
Auxiliary Building Ventilation	M38	M38
Fuel Handling Area Ventilation	M40	M40
Feedwater	N27	N27
Condensate Transfer and Storage	P11	P11
Service Water	P41	P41

SOIs TO BE REVERIFIED BY 5% REACTOR POWER

<u>SYSTEM</u>	<u>MPL #</u>	<u>SOI #</u>
Reactor Recirculation	B33	B33
MSIV Leakage Control	E32	E32
Suppression Pool Makeup	G43	G43
Miscellaneous Sumps	G60	G60
Drywell Vacuum Relief	M16	M16
Containment Vacuum Relief	M17	M17
Miscellaneous Switchgear Ventilation	M23/24	M23/24
Computer Room HVAC	M27	M27
ECC Pump Area Cooling	M28	M28
Control & Computer Room Humidification System	M29	M29
ESW Pump House Ventilation	M32	M32
Intermediate Bldg Ventilation	M33	M33
Turbine Bldg Ventiltion	M35	M35
Water Treatment Bldg Ventilation	M37	M37
ECCS Pump Room Cooling	M39	M39
Heater Bay Ventilation	M41	M41

SOIs TO BE REVERIFIED BY 5% REACTOR POWER

<u>SYSTEM</u>	<u>MPL #</u>	<u>SOT #</u>
Turbine Power Complex Ventilation	M42	M42
DG Bldg Ventilation System	M43	M43
Service Bldg HVAC	M44	M44
Circ Wtr Pumphouse Ventilation	M45	M45
Miscellaneous Ventilation	M46	M46
Smoke Clearing	M49	M49
Technical Support Center Ventilation	M52	M52
Condensate System	N21	N21
Condensate Filtration	N23	N23
Condensate Demin System	N24	N24
Low Temp Off-Gas (OG)	N64	N64
Off-Gas Vault Refrigeration (OGVRS)	N64	N64
Condensate Seal Water	P12	P12
Makeup Water Pretreatment	P20	P20
Two Bed Demineralizer	P21	P21
Service Water Screen Wash	P40	P40

SOIs TO BE REVERIFIED BY 5% REACTOR POWER

<u>SYSTEM</u>	<u>MPL #</u>	<u>SOI #</u>
Turbine Bldg Closed Cooling	P44	P44
Turbine Bldg Chilled Water	P46	P46
Building Heating	P55	P55
Breathing Air System	P58	P58
Aux Boiler Fuel Oil	P62	P62
Industrial Waste Disposal	P64	P64
Sanitary Drain & Sewer	P66	P66
Potable Water System	P71	P71
Plant Foundation Underdrain System	P72	P72
Station Interbus Transformers	R11	R11
Isolated Phase Bus	R13	R13
Metal Clad Swgr 5-15 KV	R22	R22
480V Load Centers	R23	R23
Motor Control Centers	R24	R24
Heat Trace & Freeze Protection	R36	R36
(S11) Power Transformers	S11	S11

SOIs TO BE REVERIFIED BY TURBINE SYNCHRONIZATION

<u>SYSTEM</u>	<u>MPL #</u>	<u>SOI #</u>
Feedwater Control	C34	C34
Steam Bypass	C85	C85
RX Core Isolation Cooling	E51	E51
Containment Vessel Cooling	M11	M11
Drywell Cooling	M13	M13
Steam Tunnel Cooling	M47	M47
Combustible Gas Control System & H ₂ Control	M51/56	M51/56
Main & Reheat Steam	N11	N11
Turbine Control (EHC)	N32	N32
Steam Seal System	N33	N33
Main Lube Oil System	N34	N34
Generator Hydrogen Supply	N35	N35
Turning Gear	N39	N39
Main Generator & Excitation System	N41/51	N41/51
Hydrogen Seal Oil System	N42	N42
Generator Stator Cooling System	N43	N43
Condenser Air Removal	N62	N62

SOIs TO BE REVERIFIED BY TURBINE SYNCHRONIZATION

<u>SYSTEM</u>	<u>MPL #</u>	<u>SOI #</u>
Circulating Water	N71	N71
Safety Related Instrument Air	P57	P57
Auxiliary Steam	P61	P61