

LimerickNPEm Resource

From: Christopher.Wilson2@exeloncorp.com
Sent: Thursday, June 02, 2011 8:30 AM
To: Kuntz, Robert
Cc: Regner, Lisa
Subject: Limerick AMR line items
Attachments: amr data from database 06-02-11.xls

Rob/Lisa

I have attached a sampling from our LR database. Because of GALL rev 2 it look slightly different than our previous applications. Could you or one of you reviewers look at it to make sure it will fit your needs or if not tell me what adjustments would be needed? I will send you this information shortly after we submit.

<<amr data from database 06-02-11.xls>>

Additionally, for the 22nd, I will bring down one hard copy (3 binders) of the LRA along with the letter.

All other review material will be FedEx'd to you. (3 paper hard copies, review CDs and drawings). Previously we have addressed this material directly to you (PM) versus DCC. Is that still ok?

I will send one copy of the drawings directly to Region 1.

If it is ok I would like to call you next week sometime (Tuesday or Thursday) just to make sure there is nothing I am missing

Thanks Chris

Chris Wilson
Exelon Nuclear
KSQ License Renewal
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Hearing Identifier: Limerick_LR_NonPublic
Email Number: 379

Mail Envelope Properties (9A15F707EB47A04D882D9FEB352EDDF8031A7ABD)

Subject: Limerick AMR line items
Sent Date: 6/2/2011 8:30:11 AM
Received Date: 6/2/2011 8:30:58 AM
From: Christopher.Wilson2@exeloncorp.com

Created By: Christopher.Wilson2@exeloncorp.com

Recipients:
"Regner, Lisa" <Lisa.Regner@nrc.gov>
Tracking Status: None
"Kuntz, Robert" <Robert.Kuntz@nrc.gov>
Tracking Status: None

Post Office: cccmsxch12.energy.power.corp

Files	Size	Date & Time
MESSAGE	1859	6/2/2011 8:30:58 AM
amr data from database 06-02-11.xls		1112640

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

System Grouping	LR System Name
Structures and Component Supports	220 and 500 kV Substations
Structures and Component Supports	220 and 500 kV Substations
Structures and Component Supports	Admin Building Shop and Warehouse
Structures and Component Supports	Admin Building Shop and Warehouse
Structures and Component Supports	Admin Building Shop and Warehouse
Structures and Component Supports	Admin Building Shop and Warehouse
Structures and Component Supports	Admin Building Shop and Warehouse
Structures and Component Supports	Auxiliary Boiler and Lube Oil Storage Enclosure
Structures and Component Supports	Auxiliary Boiler and Lube Oil Storage Enclosure
Structures and Component Supports	Auxiliary Boiler and Lube Oil Storage Enclosure
Structures and Component Supports	Auxiliary Boiler and Lube Oil Storage Enclosure
Structures and Component Supports	Auxiliary Boiler and Lube Oil Storage Enclosure
Structures and Component Supports	Auxiliary Boiler and Lube Oil Storage Enclosure
Structures and Component Supports	Circulating Water Pump House
Structures and Component Supports	Circulating Water Pump House
Structures and Component Supports	Circulating Water Pump House
Structures and Component Supports	Circulating Water Pump House
Steam and Power Conversion System	Condenser and Air Removal System
Steam and Power Conversion System	Condenser and Air Removal System
Steam and Power Conversion System	Condenser and Air Removal System
Steam and Power Conversion System	Condenser and Air Removal System
Steam and Power Conversion System	Condenser and Air Removal System
Steam and Power Conversion System	Condenser and Air Removal System
Structures and Component Supports	Control Enclosure
Structures and Component Supports	Control Enclosure
Structures and Component Supports	Control Enclosure
Structures and Component Supports	Control Enclosure
Auxiliary Systems	Control Enclosure Ventilation System
Auxiliary Systems	Control Enclosure Ventilation System
Auxiliary Systems	Control Enclosure Ventilation System
Auxiliary Systems	Control Enclosure Ventilation System
Structures and Component Supports	Emergency Diesel Generator Enclosure
Structures and Component Supports	Emergency Diesel Generator Enclosure
Structures and Component Supports	Emergency Diesel Generator Enclosure
Auxiliary Systems	Emergency Diesel Generator System
Auxiliary Systems	Emergency Diesel Generator System
Auxiliary Systems	Emergency Diesel Generator System
Auxiliary Systems	Emergency Diesel Generator System
Auxiliary Systems	Emergency Diesel Generator System
Auxiliary Systems	Fire Protection System
Auxiliary Systems	Fire Protection System
Auxiliary Systems	Fire Protection System
Auxiliary Systems	Fire Protection System
Auxiliary Systems	Fire Protection System
Auxiliary Systems	Fire Protection System
Structures and Component Supports	Piping and Component Insulation Commodity Gr
Structures and Component Supports	Piping and Component Insulation Commodity Gr
Structures and Component Supports	Piping and Component Insulation Commodity Gr
Structures and Component Supports	Piping and Component Insulation Commodity Gr
Structures and Component Supports	Primary Containment
Structures and Component Supports	Primary Containment

LRA Section 3	Structure and/or Component	Intended Function
3.5.2.1.1	Cable Trays	Structural Support
3.5.2.1.1	Metal components: All structural men	Structural Support
3.5.2.1.2	Doors	Shelter, Protection
3.5.2.1.2	Doors	Shelter, Protection
3.5.2.1.2	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.2	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.2	Seals, gaskets, and moisture barriers	Shelter, Protection
3.5.2.1.3	Cable Trays and Gutters	Structural Support
3.5.2.1.3	Miscellaneous steel (catwalks, stairs,	Filter
3.5.2.1.3	Miscellaneous steel (catwalks, stairs,	Filter
3.5.2.1.3	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.3	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.3	Seals, gaskets, and moisture barriers	Shelter, Protection
3.5.2.1.4	Cable Trays and Gutters	Structural Support
3.5.2.1.4	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.4	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.4	Seals, gaskets, and moisture barriers	Shelter, Protection
3.4.2.1.3	Heat Exchanger Components	Containment, Holdup and F
3.4.2.1.3	Heat Exchanger Components	Containment, Holdup and F
3.4.2.1.3	Heat Exchanger Components	Containment, Holdup and F
3.4.2.1.3	Heat Exchanger Components	Leakage Boundary
3.4.2.1.3	Heat Exchanger Components	Leakage Boundary
3.4.2.1.3	Heat Exchanger Components	Leakage Boundary
3.5.2.1.6	Cable Trays and Gutters	Structural Support
3.5.2.1.6	Metal panels	Structural Support
3.5.2.1.6	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.6	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.3.2.1.4	Ducting and Components	Pressure Boundary
3.3.2.1.4	Ducting and Components	Pressure Boundary
3.3.2.1.4	Valve Body	Pressure Boundary
3.3.2.1.4	Valve Body	Pressure Boundary
3.5.2.1.9	Cable Trays and Gutters	Structural Support
3.5.2.1.9	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.9	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.3.2.1.8	Blower (Combustion air)	Pressure Boundary
3.3.2.1.8	Blower (Combustion air)	Pressure Boundary
3.3.2.1.8	Heat Exchanger Components (Air Co	Heat Transfer
3.3.2.1.8	Heat Exchanger Components (Air Co	Heat Transfer
3.3.2.1.9	Piping, piping components, and pipin	Pressure Boundary
3.3.2.1.9	Piping, piping components, and pipin	Pressure Boundary
3.3.2.1.9	Spray Nozzles	Spray
3.3.2.1.9	Spray Nozzles	Spray
3.3.2.1.9	Water Motor Alarm	Pressure Boundary
3.3.2.1.9	Water Motor Alarm	Pressure Boundary
3.5.2.1.10	Insulation jacketing (includes integral	Shelter, Protection
3.5.2.1.10	Insulation jacketing (includes integral	Shelter, Protection
3.5.2.1.10	Insulation jacketing (includes integral	Structural Support
3.5.2.1.10	Insulation jacketing (includes integral	Structural Support
3.5.2.1.11	Cable Trays and Gutters	Structural Support
3.5.2.1.11	Miscellaneous steel (catwalks, stairs,	Structural Support

3.5.2.1.11	Steel Components (Energy Absorbers)	Pipe Whip Restraint
3.3.2.1.14	Piping, piping components, and piping	Pressure Boundary
3.3.2.1.14	Piping, piping components, and piping	Pressure Boundary
3.3.2.1.16	Ducting and Components	Pressure Boundary
3.3.2.1.16	Ducting and Components	Pressure Boundary
3.3.2.1.17	Pump Casing	Pressure Boundary
3.3.2.1.17	Pump Casing	Pressure Boundary
3.5.2.1.12	Cable Trays and Gutters	Structural Support
3.5.2.1.12	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.12	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.12	Seals, gaskets, and moisture barriers	Shelter, Protection
3.5.2.1.13	Bolting (Structural)	Structural Support
3.5.2.1.13	Bolting (Structural)	Structural Support
3.5.2.1.13	Bolting (Structural)	Structural Support
3.5.2.1.13	Cable Trays and Gutters	Structural Support
3.5.2.1.13	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.13	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.13	Seals, gaskets, and moisture barriers	Shelter, Protection
3.3.2.1.20	Ducting and Components	Pressure Boundary
3.3.2.1.20	Ducting and Components	Pressure Boundary
3.5.2.1.14	Cable Trays and Gutters	Structural Support
3.5.2.1.15	Cable Trays and Gutters	Structural Support
3.5.2.1.15	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.15	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.15	Seals, gaskets, and moisture barriers	Shelter, Protection
3.2.2.1.6	Ducting and Components	Pressure Boundary
3.2.2.1.6	Ducting and Components	Pressure Boundary
3.5.2.1.16	Blowout Panels	Pressure Relief
3.5.2.1.16	Blowout Panels	Pressure Relief
3.5.2.1.16	Bolting (Structural)	Structural Support
3.5.2.1.16	Bolting (Structural)	Structural Support
3.5.2.1.16	Bolting (Structural)	Structural Support
3.5.2.1.16	Cable Trays and Gutters	Structural Support
3.5.2.1.16	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.16	Miscellaneous steel (catwalks, stairs,	Shelter, Protection
3.5.2.1.16	Seals, gaskets, and moisture barriers	Shelter, Protection
3.5.2.1.17	Bolting (Structural)	Structural Support
3.5.2.1.17	Bolting (Structural)	Structural Support
3.5.2.1.17	Cable Trays and Gutters	Shelter, Protection
3.5.2.1.17	Cable Trays and Gutters	Structural Support
3.5.2.1.17	Metal siding (includes metal roof pan	Shelter, Protection
3.5.2.1.17	Metal siding (includes metal roof pan	Structural Support
3.5.2.1.17	Miscellaneous steel (catwalks, stairs,	Structural Support

Material	Environment	Aging Effect
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Indoor, Uncontrolled (External)	None
Aluminum	Treated Water (Internal)	Loss of Material/Pitting, Crevice
Aluminum	Treated Water (Internal)	Loss of Material/Pitting, Crevice
Aluminum	Air - Indoor, Uncontrolled (External)	None
Aluminum	Treated Water (Internal)	Loss of Material/Pitting, Crevice
Aluminum	Treated Water (Internal)	Loss of Material/Pitting, Crevice
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Indoor, Uncontrolled (External)	None
Aluminum	Air/Gas - Wetted (Internal)	Loss of Material/Pitting and Crevice
Aluminum	Air - Indoor, Uncontrolled (External)	None
Aluminum	Air/Gas - Dry (Internal)	None
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Indoor, Uncontrolled (External)	None
Aluminum	Air/Gas - Wetted (Internal)	Loss of Material/Pitting, Crevice
Aluminum	Air/Gas - Wetted (External)	Loss of Material/Pitting, Crevice
Aluminum	Air/Gas - Wetted (External)	Reduction of Heat Transfer/Fouling
Aluminum	Air - Indoor, Uncontrolled (External)	None
Aluminum	Raw Water (Internal)	Loss of Material/Pitting, Crevice
Aluminum	Air - Outdoor (External)	Loss of Material/Pitting and Crevice
Aluminum	Raw Water (Internal)	Loss of Material/Pitting, Crevice
Aluminum	Air - Indoor, Uncontrolled (External)	None
Aluminum	Raw Water (Internal)	Loss of Material/Pitting, Crevice
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Outdoor	Loss of Material/Pitting and Crevice
Aluminum	Air - Indoor, Uncontrolled	None
Aluminum	Air - Indoor, Uncontrolled	None

Aging Program	NUREG-1801 Item	Table 1 Item	Notes
None	III.B5.TP-8	3.5.1-95	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	A
None	III.B2.TP-8	3.5.1-95	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
None	III.B5.TP-8	3.5.1-95	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
None	III.B2.TP-8	3.5.1-95	C
None	III.B2.TP-8	3.5.1-95	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
None	III.B2.TP-8	3.5.1-95	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
Structures Monitoring (B.2.1.35)	III.B4.TP-6	3.5.1-93	C
None	III.B2.TP-8	3.5.1-95	C
None	III.B5.TP-8	3.5.1-95	A
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	A
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
None	VIII.I.SP-93	3.4.1-52	C
One-Time Inspection (B.2.1.22)	VIII.D2.SP-90	3.4.1-16	C
Water Chemistry (B.2.1.2)	VIII.D2.SP-90	3.4.1-16	C
None	VIII.I.SP-93	3.4.1-52	C
One-Time Inspection (B.2.1.22)	VIII.D2.SP-90	3.4.1-16	C
Water Chemistry (B.2.1.2)	VIII.E.SP-90	3.4.1-16	C
None	III.B2.TP-8	3.5.1-95	A
None	III.B3.TP-8	3.5.1-95	C
None	III.B5.TP-8	3.5.1-95	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
None	VII.J.AP-36	3.3.1-113	C
Inspection of Internal Surfaces in Misce	VII.F1.AP-142	3.3.1-92	C
None	VII.J.AP-36	3.3.1-113	A
None	VII.J.AP-37	3.3.1-113	A
None	III.B2.TP-8	3.5.1-95	C
None	III.B5.TP-8	3.5.1-95	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
None	VII.J.AP-135	3.3.1-113	A
Inspection of Internal Surfaces in Misce	VII.F4.AP-142	3.3.1-92	A
Inspection of Internal Surfaces in Misce	VII.F4.AP-142	3.3.1-92	A
Inspection of Internal Surfaces in Misce			H, 2
None	VII.J.AP-36	3.3.1-113	A
Fire Water System (B.2.1.18)	VII.G.AP-180	3.3.1-65	A
External Surfaces Monitoring of Mecha	VII.I.AP-256	3.3.1-81	A
Fire Water System (B.2.1.18)	VII.G.AP-180	3.3.1-65	A
None	VII.J.AP-36	3.3.1-113	A
Fire Water System (B.2.1.18)	VII.G.AP-180	3.3.1-65	A
None	III.B4.TP-8	3.5.1-95	C
Structures Monitoring (B.2.1.35)	III.B4.TP-6	3.5.1-93	C
None	III.B4.TP-8	3.5.1-95	C
Structures Monitoring (B.2.1.35)	III.B4.TP-6	3.5.1-93	C
None	III.B2.TP-8	3.5.1-95	C
None	III.B5.TP-8	3.5.1-95	A

None	III.B5.TP-8	3.5.1-95	C
None	VII.J.AP-135	3.3.1-113	A
None	VII.J.AP-37	3.3.1-113	A
None	VII.J.AP-36	3.3.1-113	C
Inspection of Internal Surfaces in Misce	VII.F3.AP-142	3.3.1-92	C
None	VII.J.AP-135	3.3.1-113	A
Inspection of Internal Surfaces in Misce	VII.F2.AP-142	3.3.1-92	A
None	III.B2.TP-8	3.5.1-95	C
None	III.B5.TP-8	3.5.1-95	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
Structures Monitoring (B.2.1.35)	III.A1.TP-261	3.5.1-88	A
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
Structures Monitoring (B.2.1.35)	III.A1.TP-261	3.5.1-88	A
None	III.B2.TP-8	3.5.1-95	C
None	III.B2.TP-8	3.5.1-95	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
None	VII.J.AP-135	3.3.1-113	C
Inspection of Internal Surfaces in Misce	VII.F2.AP-142	3.3.1-92	C
None	III.B2.TP-8	3.5.1-95	C
None	III.B2.TP-8	3.5.1-95	C
None	III.B5.TP-8	3.5.1-95	A
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
None	V.F.EP-3	3.2.1-56	C
Inspection of Internal Surfaces in Misce	VII.F1.AP-142	3.3.1-92	C
None	III.B5.TP-8	3.5.1-95	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
Structures Monitoring (B.2.1.35)	III.A3.TP-261	3.5.1-88	A
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
Structures Monitoring (B.2.1.35)	III.A3.TP-261	3.5.1-88	A
None	III.B2.TP-8	3.5.1-95	C
None	III.B5.TP-8	3.5.1-95	A
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	A
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	C
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	A
Structures Monitoring (B.2.1.35)	III.A3.TP-261	3.5.1-88	A
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	A
Structures Monitoring (B.2.1.35)	III.B2.TP-6	3.5.1-93	A
Structures Monitoring (B.2.1.35)	III.B4.TP-6	3.5.1-93	C
Structures Monitoring (B.2.1.35)	III.B4.TP-6	3.5.1-93	C
Structures Monitoring (B.2.1.35)	III.B4.TP-6	3.5.1-93	C

Plant Specific Notes

None.

None.

1. NUREG-1801 does not contain grout penetration seals, however cracking, loss of bond and materi

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1. Masonry walls are inspected as a part of the Structures Monitoring (B.2.1.35) program, which inclu

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1. NUREG-1801 does not contain grout penetration seals, however cracking, loss of bond and materi

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1. Components in the treated water (external) environment are associated with the main condenser e

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1. NUREG-1801 does not contain grout penetration seals, however cracking , loss of bond, and loss

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1. The Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components (B.2.1.26) pr

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1. NUREG-1801 does not contain grout penetration seals, however cracking, loss of bond and materi

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1. These components are located underground in the Diesel Oil Storage Tank Structures in an Air-Ou

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1. This component is a soil dike covered with asphalt, intended to contain oil spills. The aging effects

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None.

None.

None.

None.

1. ASME Section XI, Subsection IWE (B.2.1.30) is the applicable aging management program for this

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