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To: "William F. Burton (E-mail)" <wfb@nrc.gov>, "Anand...
Date: Fri, Mar 24, 2000 10:13 AM
Subject: Matrix of Commodities to Programs/Activities

Butch,

As you requested yesterday afternoon, please find attached a WordPerfect document containing a matrix of programs/activities and commodity groups. Please note the following as regards this document:

1. The matrix does not depict where TLAA's are used to disposition certain aging effects for commodity groups (thermal fatigue-related or EQ-related issues).
2. The matrix does not depict those commodity groups for which no aging management is required. These commodity groups largely fall within either the dry gas environment or are electrical commodities.

Also, please note that although reasonable care has been taken to assure the accuracy of this document, it is intended as an administrative tool for your use in making work assignments. The document is not intended to modify the application in any respect.

Please let me know if you have any questions or comments regarding this subject.

Ray Baker
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"Always do right. This will gratify some people and astonish the rest." --
Mark Twain

ATTACHMENT

<<MATRIX_PC_WP.doc>>

PTF. DFO
W. Burton |

MATRIX - COMMODITIES TO AGING MANAGEMENT PROGRAMS/ACTIVITIES

PROGRAM/ACTIVITY	COMMODITY
A.1.1 REACTOR WATER CHEMISTRY CONTROL	C.2.1.1.1 Reactor Pressure Vessel C.2.1.1.2 Reactor Pressure Vessel Internals C.2.1.1.3 Class 1 Carbon Steel Components Within the Reactor Water Environment C.2.1.1.4 Class 1 Wrought and Forged Stainless Steel Components Within the Reactor Water Environment C.2.1.1.5 Class 1 Cast Austenitic Stainless Steel Components Within the Reactor Water Environment
A.1.2 CLOSED COOLING WATER CHEMISTRY CONTROL	C.2.2.1.1 Non-Class 1 Carbon Steel Components Within the Reactor Water Environment C.2.2.1.2 Non-Class 1 Stainless Steel Components Within the Reactor Water Environment C.2.2.5.1 Non-Class 1 Carbon Steel Components Within the Closed Cooling Water Environment C.2.2.5.2 Non-Class 1 Stainless Steel Components Within the Closed Cooling Water Environment C.2.2.5.3 Non-Class 1 Copper Alloy Components Within the Closed Cooling Water Environment
A.1.3 DIESEL FUEL OIL TESTING	C.2.2.7.1 Non-Class 1 Carbon Steel Components Within the Fuel Oil Environment C.2.2.7.2 Non-Class 1 Stainless Steel Components Within the Fuel Oil Environment C.2.3.2 Fire Protection Diesel Fuel Oil Supply System
A.1.4 PLANT SERVICE WATER AND RHR SERVICE WATER CHEMISTRY CONTROL	C.2.2.6.1 Non-Class 1 Carbon Steel Components Within the River Water Environment C.2.2.6.2 Non-Class 1 Stainless Steel Components Within the River Water Environment C.2.2.6.3 Non-Class 1 Copper Alloys Within the River Water Environment C.2.2.6.4 Non-Class 1 Gray Cast Iron Components Within the River Water Environment
A.1.5 FUEL POOL CHEMISTRY CONTROL	C.2.2.11.1 Residual Heat Removal Heat Exchangers C.2.6.5 Spent Fuel Pool Liner, Components, and Racks C.2.6.6 Aluminum
A.1.6 DEMINERALIZED WATER AND CONDENSATE STORAGE TANK CHEMISTRY CONTROL	C.2.2.2.1 Non-Class 1 Carbon Steel Components Within the Demineralized Water Environment C.2.2.2.2 Non-Class 1 Stainless Steel Components Within the Demineralized Water Environment C.2.2.2.3 Condensate Storage Tanks C.2.2.4.1 Non-Class 1 Carbon Steel Components Within the Borated Water Environment C.2.2.4.2 Non-Class 1 Stainless Steel Components Within the Borated Water Environment
A.1.7 SUPPRESSION POOL CHEMISTRY CONTROL	C.2.2.3.1 Non-Class 1 Carbon Steel Components Within the Suppression Pool Environment C.2.2.3.2 Non-Class 1 Stainless Steel Components Within the Suppression Pool Environment C.2.2.11.1 Residual Heat Removal Heat Exchangers
A.1.8 CORRECTIVE ACTIONS PROGRAM	C.2.6.2 Steel Primary Containment and Internals ALL COMMODITIES

PROGRAM/ACTIVITY	COMMODITY
A.1.9 INSERVICE INSPECTION PROGRAM	C.2.1.1.2 Reactor Pressure Vessel Internals C.2.1.1.3 Class 1 Carbon Steel Components Within the Reactor Water Environment C.2.1.1.4 Class 1 Wrought and Forged Stainless Steel Components Within the Reactor Water Environment C.2.1.1.5 Class 1 Cast Austenitic Stainless Steel Components Within the Reactor Water Environment C.2.1.1.6 Class 1 Pressure Boundary Bolting C.2.2.11.1 Residual Heat Removal Heat Exchangers C.2.4.3 Commodity External Surfaces exposed to a Buried or Embedded Environment C.2.6.2 Steel Primary Containment and Internals
A.1.10 OVERHEAD CRANE AND REFUELING PLATFORM INSPECTIONS	C.2.6.3 Steel Structures in Seismic Category I Buildings, the Turbine Building and Category I Yard Structures
A.1.11 TORQUE ACTIVITIES	C.2.1.1.6 Class 1 Pressure Boundary Bolting C.2.2.10.1 Non-Class 1 Bolting Materials C.2.2.10.2 Non-Class 1 Stainless Steel Bolting Materials
A.1.12 COMPONENT CYCLIC OR TRANSIENT LIMIT PROGRAM	C.2.1.1.1 Reactor Pressure Vessel C.2.1.1.3 Class 1 Carbon Steel Components Within the Reactor Water Environment C.2.1.1.4 Class 1 Wrought and Forged Stainless Steel Components Within the Reactor Water Environment C.2.1.1.5 Class 1 Cast Austenitic Stainless Steel Components Within the Reactor Water Environment C.2.6.2 Steel Primary Containment and Internals
A.1.13 PLANT SERVICE WATER AND RHR SERVICE WATER INSPECTION PROGRAM	C.2.2.6.1 Non-Class 1 Carbon Steel Components Within the River Water Environment C.2.2.6.2 Non-Class 1 Stainless Steel Components Within the River Water Environment C.2.2.6.3 Non-Class 1 Copper Alloys Within the River Water Environment C.2.2.6.4 Non-Class 1 Gray Cast Iron Components Within the River Water Environment C.2.4.3 Commodity External Surfaces exposed to a Buried or Embedded Environment
A.1.14 PRIMARY CONTAINMENT LEAKAGE RATE TESTING PROGRAM	C.2.6.2 Steel Primary Containment and Internals
A.1.15 BOILING WATER REACTOR VESSEL AND INTERNALS PROGRAM	C.2.1.1.2 Reactor Pressure Vessel Internals
A.1.16 WETTED CABLE ACTIVITIES	C.2.5.4 Insulated Electrical Cable Outside Containment
A.1.17 REACTOR PRESSURE VESSEL MONITORING PROGRAM	C.2.1.1.1 Reactor Pressure Vessel

PROGRAM/ACTIVITY	COMMODITY
A.2.1 FIRE PROTECTION ACTIVITIES	C.2.3.1 Water Based Fire Suppression Systems C.2.3.2 Fire Protection Diesel Fuel Oil Supply System C.2.3.3 Compressed Gas Based Fire Suppression Systems C.2.3.4.1 Fire Penetration Seals C.2.3.4.2 Cable Tray Fire Barriers C.2.3.4.3 Fire Doors
A.2.2 FLOW ACCELERATED CORROSION PROGRAM	C.2.4.1 Commodity External Surfaces Exposed to an Inside Environment C.2.4.2 Commodity External Surfaces exposed to an Outside Environment
A.2.3 PROTECTIVE COATINGS PROGRAM	C.2.1.1.3 Class 1 Carbon Steel Components Within the Reactor Water Environment C.2.2.1.1 Non-Class 1 Carbon Steel Components Within the Reactor Water Environment C.2.2.3.1 Non-Class 1 Carbon Steel Components Within the Suppression Pool Environment C.2.2.4.1 Non-Class 1 Carbon Steel Components Within the Borated Water Environment C.2.2.10.1 Non-Class 1 Bolting Materials
A.2.4 EQUIPMENT AND PIPING INSULATION MONITORING PROGRAM	C.2.3.1 Water Based Fire Suppression Systems C.2.4.1 Commodity External Surfaces Exposed to an Inside Environment C.2.4.2 Commodity External Surfaces exposed to an Outside Environment C.2.4.3 Commodity External Surfaces exposed to a Buried or Embedded Environment C.2.6.1 Concrete Structures C.2.6.2 Steel Primary Containment and Internals C.2.6.3 Steel Structures in Seismic Category I Buildings, the Turbine Building and Category I Yard Structures C.2.6.4 Component Supports C.2.4.4.1 Insulation C.2.4.4.2 Insulation Jacketing
A.2.5 STRUCTURAL MONITORING PROGRAM	C.2.2.6.1 Non-Class 1 Carbon Steel Components Within the River Water Environment C.2.2.6.2 Non-Class 1 Stainless Steel Components Within the River Water Environment C.2.2.6.3 Non-Class 1 Copper Alloys Within the River Water Environment C.2.2.6.4 Non-Class 1 Gray Cast Iron Components Within the River Water Environment C.2.2.11.1 Residual Heat Removal Heat Exchangers C.2.6.1 Concrete Structures C.2.6.3 Steel Structures in Seismic Category I Buildings, the Turbine Building and Category I Yard Structures C.2.6.4 Component Supports C.2.6.7 Structural Sealants C.2.6.8 Tornado Relief Vent Assemblies

PROGRAM/ACTIVITY	COMMODITY
A.3.1 GALVANIC SUSCEPTIBILITY INSPECTIONS	C.2.1.1.3 Class 1 Carbon Steel Components Within the Reactor Water Environment C.2.2.1.1 Non-Class 1 Carbon Steel Components Within the Reactor Water Environment C.2.2.2.1 Non-Class 1 Carbon Steel Components Within the Demineralized Water Environment C.2.2.3.1 Non-Class 1 Carbon Steel Components Within the Suppression Pool Environment
A.3.2 TREATED WATER SYSTEMS PIPING INSPECTIONS	C.2.2.6.1 Non-Class 1 Carbon Steel Components Within the River Water Environment C.2.1.1.3 Class 1 Carbon Steel Components Within the Reactor Water Environment C.2.1.1.4 Class 1 Wrought and Forged Stainless Steel Components Within the Reactor Water Environment C.2.2.1.1 Non-Class 1 Carbon Steel Components Within the Reactor Water Environment C.2.2.1.2 Non-Class 1 Stainless Steel Components Within the Reactor Water Environment C.2.2.2.1 Non-Class 1 Carbon Steel Components Within the Demineralized Water Environment C.2.2.2.2 Non-Class 1 Stainless Steel Components Within the Demineralized Water Environment C.2.2.3.1 Non-Class 1 Carbon Steel Components Within the Suppression Pool Environment C.2.2.3.2 Non-Class 1 Stainless Steel Components Within the Suppression Pool Environment C.2.2.4.2 Non-Class 1 Stainless Steel Components Within the Borated Water Environment C.2.2.5.1 Non-Class 1 Carbon Steel Components Within the Closed Cooling Water Environment C.2.2.5.2 Non-Class 1 Stainless Steel Components Within the Closed Cooling Water Environment C.2.2.5.3 Non-Class 1 Copper Alloy Components Within the Closed Cooling Water Environment
A.3.3 GAS SYSTEMS COMPONENT INSPECTIONS	C.2.2.9.1 Non-Class 1 Carbon Steel and Cast Iron Components in the Humid or Wetted Gases Environment C.2.2.9.2 Non-Class 1 Stainless Steel Components Containing Humid or Wetted Gases C.2.2.9.3 Non-Class 1 Copper Alloy Components Containing Humid or Wetted Gases C.2.2.9.4 Non-Class 1 Galvanized Carbon Steel and Aluminum Components Containing Humid or Wetted Gases C.2.4.2 Commodity External Surfaces exposed to an Outside Environment C.2.6.7 Structural Sealants C.2.2.2.3 Condensate Storage Tanks
A.3.4 CONDENSATE STORAGE TANK INSPECTION	
A.3.5 PASSIVE COMPONENT INSPECTION ACTIVITIES	C.2.2.9.1 Non-Class 1 Carbon Steel and Cast Iron Components in the Humid or Wetted Gases Environment C.2.2.9.2 Non-Class 1 Stainless Steel Components Containing Humid or Wetted Gases C.2.2.9.4 Non-Class 1 Galvanized Carbon Steel and Aluminum Components Containing Humid or Wetted Gases C.2.4.2 Commodity External Surfaces exposed to an Outside Environment C.2.4.3 Commodity External Surfaces exposed to a Buried or Embedded Environment C.2.6.2 Steel Primary Containment and Internals C.2.6.7 Structural Sealants
A.3.6 RHR HEAT EXCHANGER AUGMENTED INSPECTION AND TESTING PROGRAM	C.2.2.11.1 Residual Heat Removal Heat Exchangers

PROGRAM/ACTIVITY

A.3.7 TORUS SUBMERGED
COMPONENTS INSPECTION
PROGRAM

COMMODITY

C.2.2.3.1 Non-Class 1 Carbon Steel Components Within the Suppression Pool Environment
C.2.2.3.2 Non-Class 1 Stainless Steel Components Within the Suppression Pool Environment