

## **TABLE 3.3-1 TABLE 2 AUXILIARY SYSTEMS**

<i>Component/Commodity Group</i>	<i>Component Commodity Group</i>	<i>Constituents:</i>
<b>System No</b> 8150	HVAC Containment Building System (HVAC)	
2. Linings in spent fuel pool cooling and cleanup system; seals and collars in ventilation systems	Flexible Collars	
<b>System No</b> 8170	Containment Purge System (CV PUR)	
2. Linings in spent fuel pool cooling and cleanup system; seals and collars in ventilation systems	Flexible Collars	
<b>System No</b> 8180	Rod Drive Cooling System (RDSC)	
2. Linings in spent fuel pool cooling and cleanup system; seals and collars in ventilation systems	Flexible Collars	
<b>System No</b> 8210	HVAC Auxiliary Building (HVAC)	
2. Linings in spent fuel pool cooling and cleanup system; seals and collars in ventilation systems	Flexible Collars	
<b>System No</b> 8220	HVAC Control Room Area (HVAC)	
2. Linings in spent fuel pool cooling and cleanup system; seals and collars in ventilation systems	Flexible Collars	
<b>System No</b> 8265	HVAC Fuel Handling Building (HVAC)	
2. Linings in spent fuel pool cooling and cleanup system; seals and collars in ventilation systems	Flexible Collars	
<i>Component/Commodity Group</i>	<i>Component Commodity Group</i>	<i>Constituents:</i>
<b>System No</b> 2060	Chemical And Volume Control System	
3. Components in load handling, chemical and volume control system (PWR), and reactor water cleanup and shutdown cooling systems (older BWR)	Charging Pump LubeTank(s)	
	Excess Letdown Heat Exchanger Shell and Cover	
	Excess Letdown Heat Exchanger Tubing	
	Flow Orifices/Elements	
	Regenerative Heat Exchanger Tubing, Shell, and Cover	

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<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
3. Components in load handling, chemical and volume control system (PWR), and reactor water cleanup and shutdown cooling systems (older BWR)	Seal Injection Filter  Seal Return Filter Valves, Piping and Fittings Valves, Piping, Tubing and Fittings
<b>System No</b> 2115	<b>Primary Sampling System (PS)</b>
3. Components in load handling, chemical and volume control system (PWR), and reactor water cleanup and shutdown cooling systems (older BWR)	Valves, Piping and Fittings
<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
<b>System No</b> 4060	<b>Service Water System (SW)</b>
5. Components in ventilation systems, diesel fuel oil system, and emergency diesel generator systems; external surfaces of carbon steel components	Service Water Pumps  Service Water Supply Header Strainers Valves Valves, Piping and Fittings Valves, Piping, Tubing and Fittings
<b>System No</b> 4080	<b>Component/Closed Cooling Water System</b>
5. Components in ventilation systems, diesel fuel oil system, and emergency diesel generator systems; external surfaces of carbon steel components	Rod Drive Cooling System Cooler Tubing
<b>System No</b> 5095	<b>Diesel Generator System (DIESEL)</b>
5. Components in ventilation systems, diesel fuel oil system, and emergency diesel generator systems; external surfaces of carbon steel components	D/G After Coolant Heat Exchangers Shell & Waterbox Cover  D/G After Coolant Heat Exchangers Waterbox D/G Jacket Water Heat Exchangers Shell & Waterbox Cover D/G Jacket Water Heat Exchangers Waterbox D/G Lube Oil Heat Exchanger Waterbox

## **TABLE 3.3-1 TABLE 2 AUXILIARY SYSTEMS**

<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
5. Components in ventilation systems, diesel fuel oil system, and emergency diesel generator systems; external surfaces of carbon steel components	D/G Lube Oil Heat Exchangers Shell & Waterbox Cover  Diesel Air Exhaust Silencer Diesel Air Intake Silencer Filters Valves Valves, Piping and Fittings
<b>System No</b> 5098	<b>Dedicated Shutdown Diesel Generator (DSD)</b>
5. Components in ventilation systems, diesel fuel oil system, and emergency diesel generator systems; external surfaces of carbon steel components	Diesel Air Exhaust Silencer  DSD Air Vacuum Box Filter DSD Air Volume Tank DSD Expansion Tank DSD Radiator Tubing DSD Radiator Waterbox DSD Soak Back Oil Filter DSD Turbocharger Oil Filter DSD Turbocharger Soak Back Pump DSDG Air Compressor Filter Ductwork and Fittings Piping and Fittings Valves, Piping and Fittings Valves, Piping, Tubing and Fittings
<b>System No</b> 5100	<b>Fuel Oil System (FO)</b>
5. Components in ventilation systems, diesel fuel oil system, and emergency diesel generator systems; external surfaces of carbon steel components	DSD Fuel Oil Priming Pumps  DSD Fuel Oil Pumps EDG Day Tank Vent Filters EDG Fuel Oil Hand Priming Pumps EOF DG Fuel Oil Pump Flow Orifices/Elements Fuel Oil Transfer Pumps Piping and Fittings

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<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
5. Components in ventilation systems, diesel fuel oil system, and emergency diesel generator systems; external surfaces of carbon steel components	Valves, Piping and Fittings  Valves, Piping, Tubing and Fittings
<b>System No</b> 6082	<b>EOF/TSC Security Emergency Diesel Gen. (EOF DG)</b>
5. Components in ventilation systems, diesel fuel oil system, and emergency diesel generator systems; external surfaces of carbon steel components	EOF DG Exhaust Silencer  EOF DG Radiator
<b>System No</b> 6175	<b>Site Fire Protection System (SFPS)</b>
5. Components in ventilation systems, diesel fuel oil system, and emergency diesel generator systems; external surfaces of carbon steel components	Ductwork and Fittings  Fire Hydrants Flow Orifices/Elements Valves, Piping and Fittings
<b>System No</b> 6270	<b>Primary And Demineralized Water Makeup System (DW)</b>
5. Components in ventilation systems, diesel fuel oil system, and emergency diesel generator systems; external surfaces of carbon steel components	Valves, Piping and Fittings
<b>System No</b> 8150	<b>HVAC Containment Building System (HVAC)</b>
5. Components in ventilation systems, diesel fuel oil system, and emergency diesel generator systems; external surfaces of carbon steel components	Equipment Frames and Housings  Heating/Cooling Coils
<b>System No</b> 8210	<b>HVAC Auxiliary Building (HVAC)</b>
5. Components in ventilation systems, diesel fuel oil system, and emergency diesel generator systems; external surfaces of carbon steel components	Ductwork and Fittings  Equipment Frames and Housings Heating/Cooling Coils

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<i>Component/Commodity Group</i>	<i>Component Commodity Group</i>	<i>Constituents:</i>
<i>System No</i> 5100	Fuel Oil System (FO)	
7. Diesel fuel oil tanks in diesel fuel oil system and emergency diesel generator system		Diesel Fire Pump Fuel Oil Tank  DSD Fuel Oil Day Tank DSD Fuel Oil Priming Pumps DSD Fuel Oil Pumps DSD Fuel Oil Tank EDG Fuel Oil Day Tanks EDG Fuel Oil Duplex Filters EDG Fuel Oil Hand Priming Pumps EDG Fuel Oil Storage Tank EOF DG Fuel Oil Day Tank EOF DG Fuel Oil Pump EOF/TSC Main Storage Tank Flow Orifices/Elements Fuel Oil Transfer Pumps Unit 1 IC Turbine Tanks Valves, Piping, Tubing and Fittings

<i>Component/Commodity Group</i>	<i>Component Commodity Group</i>	<i>Constituents:</i>
<i>System No</i> 2060	Chemical And Volume Control System	
8. Heat exchangers in chemical and volume control system		Excess Letdown Heat Exchanger Tubing  Regenerative Heat Exchanger Tubing, Shell, and Cover Seal Wtr Heat Exchanger Tubing

<i>Component/Commodity Group</i>	<i>Component Commodity Group</i>	<i>Constituents:</i>
<i>System No</i> 2060	Chemical And Volume Control System	
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components		Charging Pump Heat Exchanger Waterbox  Closure Bolting Excess Letdown Heat Exchanger Shell and Cover Seal Wtr Heat Exchanger Shell and Cover

<i>System No</i>	<i>Component Commodity Group</i>	<i>Constituents:</i>
<i>System No</i> 2118	Containment Vapor And Pressure Sampling System	
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components		Closure Bolting  Valves, Piping and Fittings

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<i>Component/Commodity Group</i>	<i>Component Commodity Group</i>	<i>Constituents:</i>
<b>System No</b> 4060	Service Water System (SW)	
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components		Closure Bolting  Valves Valves, Piping, Tubing and Fittings
<b>System No</b> 4080	Component/Closed Cooling Water System	
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components		CCW Heat Exchanger Shell  Closure Bolting Component Cooling Water Pumps Component Cooling Water Surge Tank Flow Orifices/Elements Hot Leg Sample Heat Exchanger Shell Non Regenerative Heat Exchanger Shell PZR Liquid Sample Heat Exchanger Shell PZR Steam Sample Heat Exchanger Shell Sample Vessel Heat Exchanger Shell SFP Cooling Heat Exchanger Shell Valves, Piping, Tubing and Fittings Waste Gas Compressor Coolers Shell
<b>System No</b> 6135	Instrument Air System (IA)	
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components		Closure Bolting  Valves, Piping and Fittings
<b>System No</b> 6150	Nitrogen Supply/Blanketing System (N2 SUP)	
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components		Closure Bolting  Pzr N2 Accum Tank
<b>System No</b> 6175	Site Fire Protection System (SFPS)	
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components		Closure Bolting  Flow Orifices/Elements Valves, Piping and Fittings Valves, Piping, Tubing and Fittings

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<i>Component/Commodity Group</i>	<i>Component Commodity Group Constituents:</i>
<i>System No</i> 6195	Fire Protection CO2 System (CO2)
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components	Valves, Piping and Fittings
<i>System No</i> 7110	Spent Fuel Pool Cooling System (SFPCS)
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components	Closure Bolting
<i>System No</i> 8010S01	Bldg 200: Reactor Containment Building
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components	Fire Hose Station.
<i>System No</i> 8150	HVAC Containment Building System (HVAC)
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components	Closure Bolting
	Equipment Frames and Housings
	Valves
<i>System No</i> 8170	Containment Purge System (CV PUR)
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components	Closure Bolting
	Equipment Frames and Housings
	Valves
<i>System No</i> 8180	Rod Drive Cooling System (RDSC)
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components	Closure Bolting
	Equipment Frames and Housings
<i>System No</i> 8210	HVAC Auxiliary Building (HVAC)
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components	Closure Bolting
<i>System No</i> 8265	HVAC Fuel Handling Building (HVAC)
13. Closure bolting and external surfaces of carbon steel and low-alloy steel components	Closure Bolting
<i>Component/Commodity Group</i>	<i>Component Commodity Group Constituents:</i>
<i>System No</i> 2060	Chemical And Volume Control System

## **TABLE 3.3-1 TABLE 2 AUXILIARY SYSTEMS**

<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
14. Components in or serviced by closed-cycle cooling water system	Excess Letdown Heat Exchanger Shell and Cover  Excess Letdown Heat Exchanger Tubing Seal Wtr Heat Exchanger Shell and Cover Seal Wtr Heat Exchanger Tubing
<b>System No</b> 4080	<b>Component/Closed Cooling Water System</b>
14. Components in or serviced by closed-cycle cooling water system	CCW Heat Exchanger Shell  Component Cooling Water Pumps Component Cooling Water Surge Tank Flow Orifices/Elements Hot Leg Sample Heat Exchanger Shell Hot Leg Sample Heat Exchanger Tubing Non Regenerative Heat Exchanger Shell Non Regenerative Heat Exchanger Tubing Pressurizer Liquid Sample Heat Exchanger Tubing Pressurizer Steam Sample Heat Exchanger Tubing PZR Liquid Sample Heat Exchanger Shell PZR Steam Sample Heat Exchanger Shell Sample Vessel Heat Exchanger Shell Sample Vessel Heat Exchanger Tubing SFP Cooling Heat Exchanger Shell SFP Cooling Heat Exchanger Tubing Valves, Piping and Fittings Valves, Piping, Tubing and Fittings Waste Gas Compressor Coolers Shell
<b>System No</b> 5095	<b>Diesel Generator System (DIESEL)</b>
14. Components in or serviced by closed-cycle cooling water system	D/G After Coolant Heat Exchangers Shell  D/G Jacket Water and After Coolant Regulators Body/Bonnet D/G Jacket Water Heat Exchangers Shell D/G Jacket Water Stand-by Heater Shell D/G Standby Circulating Coolant Pumps Emergency Diesel Generator Jacket Water Expansion Tanks Flow Orifices/Elements Piping and Fittings

## **TABLE 3.3-1 TABLE 2 AUXILIARY SYSTEMS**

<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
14. Components in or serviced by closed-cycle cooling water system	Valves  Valves, Piping, Tubing and Fittings Valves, Tubing and Fittings
<b>System No</b> 5098	<b>Dedicated Shutdown Diesel Generator (DSD)</b>
14. Components in or serviced by closed-cycle cooling water system	DSD Expansion Tank  DSD Immersion Heater DSD Lube Oil Cooler Shell DSD Radiator Tubing DSD Radiator Waterbox Valves, Piping, Tubing and Fittings
<b>System No</b> 6082	<b>EOF/TSC Security Emergency Diesel Gen. (EOF DG)</b>
14. Components in or serviced by closed-cycle cooling water system	EOF DG Jacket Water Immersion Heaters  EOF DG Radiator Piping and Fittings
<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
<b>System No</b> 8010S01	<b>Bldg 200: Reactor Containment Building</b>
15. Cranes including bridge and trolleys and rail system in load handling system	Polar Crane
<b>System No</b> 8300S36	<b>Bldg 350: Turbine Building</b>
15. Cranes including bridge and trolleys and rail system in load handling system	Turbine Gantry Crane.
<b>System No</b> 8300S46	<b>Bldgs 215, 220 and 225: Fuel Handling Building</b>
15. Cranes including bridge and trolleys and rail system in load handling system	Spent Fuel Bridge Crane  Spent Fuel Cask Crane.
<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
<b>System No</b> 4060	<b>Service Water System (SW)</b>
16. Components in or serviced by open-cycle cooling water systems	Flow Orifices/Elements

## **TABLE 3.3-1 TABLE 2 AUXILIARY SYSTEMS**

<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
16. Components in or serviced by open-cycle cooling water systems	Piping and Fittings  Service Water Booster Pumps Service Water Pumps Service Water Supply Header Strainers Valves Valves, Piping and Fittings Valves, Piping, Tubing and Fittings
<b>System No</b> 4080	<b>Component/Closed Cooling Water System</b>
16. Components in or serviced by open-cycle cooling water systems	CCW Heat Exchanger Shell  CCW Heat Exchanger Tube Sheet CCW Heat Exchanger tubing
<b>System No</b> 5095	<b>Diesel Generator System (DIESEL)</b>
16. Components in or serviced by open-cycle cooling water systems	D/G After Coolant Heat Exchangers Tube Sheet  D/G After Coolant Heat Exchangers Tubing D/G After Coolant Heat Exchangers Waterbox D/G After Coolant Heat Exchangers Waterbox Cover D/G Jacket Water Heat Exchangers Tube Sheet D/G Jacket Water Heat Exchangers Tubing D/G Jacket Water Heat Exchangers Waterbox D/G Jacket Water Heat Exchangers Waterbox Cover D/G Lube Oil Heat Exchanger Tube Sheet D/G Lube Oil Heat Exchanger Tubing D/G Lube Oil Heat Exchanger Waterbox D/G Lube Oil Heat Exchanger Waterbox Cover Valves, Piping, Tubing and Fittings
<b>System No</b> 8150	<b>HVAC Containment Building System (HVAC)</b>
16. Components in or serviced by open-cycle cooling water systems	Heating/Cooling Coils
<b>System No</b> 8210	<b>HVAC Auxiliary Building (HVAC)</b>
16. Components in or serviced by open-cycle cooling water systems	Heating/Cooling Coils

## **TABLE 3.3-1 TABLE 2 AUXILIARY SYSTEMS**

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**Component/Commodity Group    Component Commodity Group Constituents:**

**System No    8220                    HVAC Control Room Area (HVAC)**

16. Components in or serviced by open-cycle cooling water systems                    Heating/Cooling Coils

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**Component/Commodity Group    Component Commodity Group Constituents:**

**System No    4060                    Service Water System (SW)**

17. Buried piping and fittings                    Piping and Fittings

**System No    5098                    Dedicated Shutdown Diesel Generator (DSD)**

17. Buried piping and fittings                    Valves, Piping, Tubing and Fittings

**System No    5100                    Fuel Oil System (FO)**

17. Buried piping and fittings                    Piping and Fittings

**System No    6175                    Site Fire Protection System (SFPS)**

17. Buried piping and fittings                    Valves, Piping and Fittings

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**Component/Commodity Group    Component Commodity Group Constituents:**

**System No    5095                    Diesel Generator System (DIESEL)**

18. Components in compressed air system                    Emergency Diesel Air Start Strainers

Emergency Diesel Generator Air Receiver Tanks  
Valves

**System No    5098                    Dedicated Shutdown Diesel Generator (DSD)**

18. Components in compressed air system                    DSD Air Volume Tank

Valves, Piping, Tubing and Fittings

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**Component/Commodity Group    Component Commodity Group Constituents:**

**System No    6175                    Site Fire Protection System (SFPS)**

19. Components (doors and barrier penetration seals) and concrete structures in fire protection                    Ductwork and Fittings

**System No    8300S46                    Bldgs 215, 220 and 225: Fuel Handling Building**

19. Components (doors and barrier penetration seals) and concrete structures in fire protection                    Fire barrier penetration seals

**System No    8320S01                    Bldg 205: Reactor Auxiliary Building**

## **TABLE 3.3-1 TABLE 2 AUXILIARY SYSTEMS**

<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
19. Components (doors and barrier penetration seals) and concrete structures in fire protection	Fire Barrier Assemblies  Fire barrier penetration seals Fire doors
<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
<b>System No</b> 6175	<b>Site Fire Protection System (SFPS)</b>
20. Components in water-based fire protection	Diesel Driven Fire Pump  Fire Hydrants Flow Orifices/Elements Jockey Fire Pump Motor Driven Fire Pump Sprinklers Valves Valves, Piping and Fittings
<b>System No</b> 8010S01	<b>Bldg 200: Reactor Containment Building</b>
20. Components in water-based fire protection	Fire Hose Station.
<b>System No</b> 8320S01	<b>Bldg 205: Reactor Auxiliary Building</b>
20. Components in water-based fire protection	Fire Hose Station.
<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
<b>System No</b> 5100	<b>Fuel Oil System (FO)</b>
22. Tanks in diesel fuel oil system	Diesel Fire Pump Fuel Oil Tank  Diesel Oil Storage Tank Vent Filter DSD Fuel Oil Day Tank DSD Fuel Oil Tank EDG Day Tank Vent Filters EDG Fuel Oil Day Tanks EDG Fuel Oil Storage Tank EOF DG Fuel Oil Day Tank Unit 1 IC Turbine Tanks
<b>Component/Commodity Group</b>	<b>Component Commodity Group Constituents:</b>
<b>System No</b> 2060	<b>Chemical And Volume Control System</b>
23. Closure bolting	Closure Bolting

## **TABLE 3.3-1 TABLE 2 AUXILIARY SYSTEMS**

<i>Component/Commodity Group</i>	<i>Component Commodity Group Constituents:</i>
<p><b>System No</b>    4060</p> <p>24. Components (aluminum bronze, brass, cast iron, cast steel) in open-cycle and closed-cycle cooling water systems, and ultimate heat sink</p>	<p>Service Water System (SW)</p> <p>Service Water Pumps</p> <p>Valves</p>
<p><b>System No</b>    4080</p> <p>24. Components (aluminum bronze, brass, cast iron, cast steel) in open-cycle and closed-cycle cooling water systems, and ultimate heat sink</p>	<p>Component/Closed Cooling Water System</p> <p>Rod Drive Cooling System Cooler Tubing</p> <p>Waste Gas Compressor Cooler Tubing</p>
<p><b>System No</b>    5095</p> <p>24. Components (aluminum bronze, brass, cast iron, cast steel) in open-cycle and closed-cycle cooling water systems, and ultimate heat sink</p>	<p>Diesel Generator System (DIESEL)</p> <p>D/G After Coolant Heat Exchangers Tube Sheet</p> <p>D/G After Coolant Heat Exchangers Waterbox</p> <p>D/G Jacket Water and After Coolant Regulators Body/Bonnet</p> <p>D/G Jacket Water Heat Exchangers Tube Sheet</p> <p>D/G Jacket Water Heat Exchangers Waterbox</p> <p>D/G Lube Oil Heat Exchanger Tube Sheet</p> <p>D/G Lube Oil Heat Exchanger Waterbox</p> <p>D/G Standby Circulating Coolant Pumps</p> <p>Valves, Piping, Tubing and Fittings</p>
<p><b>System No</b>    5098</p> <p>24. Components (aluminum bronze, brass, cast iron, cast steel) in open-cycle and closed-cycle cooling water systems, and ultimate heat sink</p>	<p>Dedicated Shutdown Diesel Generator (DSD)</p> <p>DSD Lube Oil Cooler Tubing and Fins</p>
<p><b>System No</b>    6082</p> <p>24. Components (aluminum bronze, brass, cast iron, cast steel) in open-cycle and closed-cycle cooling water systems, and ultimate heat sink</p>	<p>EOF/TSC Security Emergency Diesel Gen. (EOF DG)</p> <p>Valves, Piping, Tubing and Fittings</p>
<p><b>System No</b>    6175</p>	<p>Site Fire Protection System (SFPS)</p>

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<b><i>Component/Commodity Group</i></b>	<b><i>Component Commodity Group Constituents:</i></b>
24. Components (aluminum bronze, brass, cast iron, cast steel) in open-cycle and closed-cycle cooling water systems, and ultimate heat sink	Fire Hydrants
	Sprinklers
	Valves
	Valves, Piping and Fittings

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