

# POINT BEACH NUCLEAR PLANT

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## FACSIMILE TRANSMITTAL

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FROM: BRIAN CARBERY TOTAL NUMBER OF PAGES SENT: 5

DATE: 4/6/04 TIME: 1700

REMARKS: COPY OF ALARA REVIEW LOG AND OUTAGE RWP'S WITH ESTIMATED DOSE.

*Brian Carbery*

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as soon as possible.*

POINT BEACH NUCLEAR PLANT  
ALARA Review Log

Date	ALARA Review Number	Controlling Work Document	Job Description	Est. Dose (rem)	Actual Dose (rem)
	2004-0001	RMP-9096	Reactor Head Disassembly	1.90 rem	
	2004-0002	RMP-9312	Conoseal Removal, Port Cleaning and Installation	1.30 rem	
	2004-0003	RMP-9096	Replace Reactor Head O-rings	0.60 rem	
	2004-0004	RMP-9096	Reactor Head Set on Vessel	1.00 rem	
	2004-0005	RMP-9096	Reactor Head Assembly	1.60 rem	
	2004-0006		Fuel Movement Evolutions	1.50 rem	
	2004-0007	RMP-9002 Series	"B" RCP Seal and Motor Work	3.50 rem	
	2004-0008		Initial Surveys and Decon Under Reactor Head	1.00 rem	
	2004-0009		UT Inspection Under Reactor Head	3.309 rem	
	2004-0010		Reactor Head Nozzle Repair	N/A	
	2004-0011		Reactor Head Bare Metal Visual Inspection	0.675 rem	
	2004-0012		Reactor Vessel BMI Inspection	6.10 rem	
	2004-0013		Install and Remove Scaffold	3.00 rem	
	2004-0014		Install and Remove Insulation	0.80 rem	
	2004-0015		ISI/NDE in Containment	1.00 rem	
	2004-0016	RMP-9007	Remove and Replace S/G Manway Strongbacks	1.50 rem	
	2004-0017		Install and Remove S/G Nozzle Dams	4.320 rem	
	2004-0018		S/G Eddy Current Testing	5.50 rem	
	2004-0019		Remove and Replace S/G HH Covers, Sludge Lance and POSAR Inspection	4.00 rem	
	2004-0020		Transfer Tri-nuke Filters to Pillbox	0.075 rem	
2-17-04	2004-0021		Troubleshoot/Replace 2LT-939	1.00 rem	
3-9-04	2004-0022	MR-04-010 WO Work plan #'s 0406194 and 0406214	2LT-939 modification installation	1.080 rem	
	2004-0023		Regen Hx'er Cubicle Maintenance	0.600 rem	
	2004-0024		Under Rx Head Vent Line Penetration PT Exam	0.650 rem	

Keyway Entries - Inspect & Maintain Equipment	04 132	1	Eng	0.450
Keyway Entries - ORT-61		2	Ops	0.250
BMI Inspection - Scaffold Install / Remove	04 133	1	CE	1.600
BMI Inspection - Remove Old Insulation		2	CE	1.500
BMI Inspection - Install New Insulation		3	CE	1.600
BMI Inspection - Decon		4	RP	0.125
BMI Inspection - NDE		5	Eng	0.650
BMI Inspection - RP		6	RP	0.625
<del>Not Used</del>	<del>04 134</del>			
Regen Heat Exchanger Cubicle Maintenance	04 135		Mtn	0.600
CTMT Walkdowns and Inspection - Admin / Mgmt / QC / NO	04 136	1	Admin	0.459
CTMT Walkdowns and Inspection - Engineering		2	Eng	0.752
CTMT Install/ Remove Scaffold	04 137		CE	3.000
CTMT Install/ Remove Insulation	04 138		CE	0.800
CTMT NDE & ISI	04 139		Eng	1.000
S/G Manway/Diaphragm Removal/Replacement	04 140		Mtn	1.500
Nozzle Dams Install / Remove	04 141		Eng	4.320
Steam Generator Eddy Current Testing	04 142		Eng	5.500
S/G Sludge Lance Activities	04 143		Eng	2.500
S/G Handhole Covers, Removal/Replacement	04 144		Mtn	1.500
Maint. Activities Inside Refuel Barriers	04 145		Mtn	0.100
Containment Maint. LHRA Transit	04 146		Mtn	0.050
Eng. NDE & ISI, LHRA Transit	04 147		Eng	0.050
<del>Not Used</del>	<del>04 148</del>			
<del>Repair Cavity Seal Ring &amp; Sand Box Covers</del>	<del>04 149</del>			
Cavity Filter Removal	04 150		RP	0.075
Upper Internals Set to Vessel	04 151		Mtn	0.100
Reactor Head Set	04 152		Mtn	1.000
Reactor Head Maint/Post Reactor Head Set - Stud hole caps/Hole cleaning/Seal ring removal	04 153	1	Mtn	0.200
Reactor Head Maint/Post Reactor Head Set - I & C Cavity Restoration		2	Mtn	0.050
Reactor Head Dress & Stud Tensioning	04 154		Mtn	1.350
Upper Cavity Decon	04 155		RP	0.275
Lower Cavity - Decon	04 156	1	RP	0.200
Lower Cavity - Transfer Canal Flange/FME Insp./Misc work(includes Strainer)		2	Ops	0.500
Containment Radiography	04 157		Eng	0.300
PAB Mechanical Valve Maintenance	04 158		Mtn	2.206
PAB Electrical Valve Maintenance	04 159		Mtn	0.620
PAB Install/ Remove Insulation	04 160		CE	0.100
PAB NDE & ISI Activities	04 161		Eng	0.100
PAB Install/ Remove Scaffold	04 162		CE	0.100
PAB Walkdowns and Inspections - Admin / Mgmt / NO	04 163	1	Admin	0.067
PAB Walkdowns and Inspections - Engineering		2	Eng	0.063
PAB Maintenance - Outage Related Maint	04 164	1	Mtn	0.067
PAB Maintenance I & C Cals & Misc Work		2	Mtn	0.063
PAB Maintenance - Construction Engineering		3	CE	0.195
PAB Radiography	04 165		Eng	0.030

6.100 = 2

Point Beach Nuclear Plant U1R28  
Estimated RWP Dose

RWP Description	Number	Task	Group	Est. Dose
Radiation Protection Outage Activities	04 104		RP	6.000
Operations Outage Activities	04 105		Ops	2.750
Laundry Decon Outage Activities	04 106		RP	1.400
Instal/Remove Temporary Shielding in Containment and PAB	04 107		RP	0.600
Site Waste Outage Activities	04 108		RP	0.100
Ctmt General Entry Opening Weekend - RP	04 109	1	RP	0.349
Ctmt General Entry Opening Weekend - Operations		2	Ops	0.101
Ctmt General Entry Opening Weekend - I & C		3	Mtn	0.003
Ctmt General Entry Opening Weekend - Maintenance ( includes Hatch Operator)		4	Mtn	0.068
Ctmt General Entry Opening Weekend - Engineering		5	Eng	0.015
Ctmt General Entry Opening Weekend - Construction Engineering		6	CE	0.165
Ctmt General Entry Opening Weekend - Laundry Decon		7	RP	0.035
Shutdown Reactor Coolant System Leak Checks	04 110		Eng	0.400
Reactor Head Disassembly/Head Lift Preps - Head Stripping/Sandbox Covers	04 111	1	Mtn	1.800
Reactor Head Disassembly/Head Lift Preps - I & C Preps for Floodup		2	Mtn	0.100
Seal Table Activities	04 112		Mtn	0.100
Reactor Head Lift	04 113		Mtn	0.350
Upper Internals Lift (From RX Vessel to Stand)	04 114		Mtn	0.100
Fuel Movement Activities	04 115		Ops	1.500
Reactor Head Maintenance in Reactor Head Lay Down Area	04 116		Mtn	0.125
Replace Reactor Head "O" Rings	04 117		Mtn	0.600
Conoseal Removal	04 118		Mtn	0.250
Conoseal Cleaning	04 119		Mtn	0.010
Conoseal Reactor Head Lay Down Area Activities	04 120		Mtn	0.190
Conoseal Installation	04 121		Mtn	0.850
Reactor Coolant Pump Maintenance	04 122		Mtn	3.500
Reactor Coolant Pump Maintenance/Controlled Side Maintenance Shop	04 123		Mtn	0.005
Containment Maintenance - Outage Related Maint. Activities	04 124	1	Mtn	2.800
Containment Maintenance - I & C Cals & Misc. Work		2	Mtn	0.500
Containment Maintenance - Construction Engineering		3	CE	0.500
Containment Mechanical Valve Maintenance	04 125		Mtn	1.200
Containment Electrical Valve Maintenance	04 126		Mtn	0.375
Framatome Set-up Equipment in Ctmt	04 127		Eng	0.500
RX Head - Initial under Head Surveys	04 128		RP	1.000
RX Head Inspections in Cavity & RHLDA	04 129		Eng	0.675
RV Head UT Inspection ( under head) - Framatome	04 130	1	Eng	9.309
RV Head UT Inspection ( under head) - RP		2	RP	1.000
RV Head Nozzle Repair - Framatome	04 131	1	Eng	1.000
RV Head Nozzle Repair - RP		2	RP	1.000

Σ = 3.800

Σ = 4.309

Cleanside RCA'S	04 166		Mtn	0.005
Checklist 20 Walkdowns	04 167		Admin	0.400
Ctmi General Entry Start-Up/Heat-Up - RP	04 168	1	RP	0.269
Ctmi General Entry Start-Up/Heat-Up - Operations		2	Ops	0.095
Ctmi General Entry Start-Up/Heat-Up - I & C		3	Mtn	0.011
Ctmi General Entry Start-Up/Heat-Up - Maintenance (Includes Hatch Operator)		4	Mtn	0.146
Ctmi General Entry Start-Up/Heat-Up - Engineering		5	Eng	0.041
Ctmi General Entry Start-Up/Heat-Up - Construction Engineering		6	CE	0.187
Ctmi General Entry Start-Up/Heat-Up - Laundry Decon		7	RP	0.092
Start-Up Reactor Coolant System Leak Checks	04 169		Eng	0.250
RV Head Replacement Project Walkdowns & Inspections	04 170		Eng	0.050
NRC Walkdowns & Inspections	04 171		NRC	0.100
Spare NB Detector Assembly Rebuild	04 172		Mtn	
Excore Detector Replacement and Associated Activities	04 173		Mtn	
RV Head Vent Line Penetration PT				0.650
Contingency BWP				
			Total	72.213