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# DRPI COIL DIAGNOSTICS

## For Digital Rod Position Indication

For this service, measurements on the DRPI coil signals are performed to verify all the DRPI coils were reconnected and restored properly after the reactor head was removed and restored during a refueling outage. This testing takes about 1 hours and saves 18 hours of tedious measurements in containment by plant instrument technicians during the refueling outage.

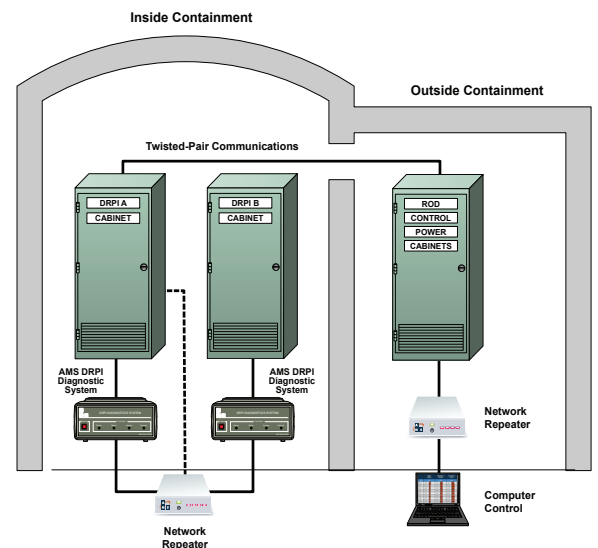
### Coil Measurements

Coil	RMS (Volts)		Resistance (ohms)		Inductance (mH)	
	D04		D04		D04	
B21	1.49		7.53		36.33	
A21	1.47		7.13		41.02	
B20	1.48		7.05		41.39	
A20	1.45		7.10		42.02	
B19	1.47		7.07		41.87	
A19	1.44		7.05		42.36	
B18	1.46		7.19		42.08	
A18	1.44		7.18		42.25	
B17	1.46		7.22		42.07	
A17	1.43		7.19		42.42	
B16	1.46		7.21		42.08	
A16	1.43		7.32		42.53	
B15	1.46		7.25		42.12	
A15	1.43		7.23		42.45	
B14	1.44		7.36		42.58	
A14	1.43		7.22		42.52	
B13	1.46		7.22		41.83	
A13	1.43		7.21		42.64	
B12	1.46		7.27		42.08	
A12	1.42		7.28		43.18	
B11	1.46		7.21		42.13	
A11	1.42		7.34		42.60	
B10	1.46		7.25		41.83	
A10	1.43		7.38		42.32	
B9	1.45		7.27		42.48	
A9	1.43		7.26		42.43	
B8	1.46		7.21		42.20	
A8	1.43		7.28		42.62	
B7	1.45		7.30		42.20	
A7	1.43		7.36		42.27	
B6	1.46		7.26		42.01	
A6	1.43		7.37		42.40	
B5	1.45		7.34		42.37	
A5	1.43		7.29		42.56	
B4	1.43		7.62		42.50	
A4	1.43		7.33		42.30	
B3	1.45		7.41		41.96	
A3	1.42		7.55		42.55	
B2	1.43		7.74		42.28	
A2	1.20		9.65		50.36	
B1	0.85		14.64		75.21	
A1	0.94		19.18		60.63	



### Featured Benefits

- Provides a holistic view of the health of the entire DRPI system
- Capable of testing both Digital Rod Position Indication (DRPI) A and B Systems in less than one hour
- Examines the health of DRPI power supply cable and coils
- Quickly identifies any bad connections within the DRPI system and detects coil impedance problems
- Can be performed in conjunction with AMS Rod Drop Time Testing Services



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### 10CFR50 Appendix B Program

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