

Performance Indicator Data Sheet

Revision Date: yyyy-mm-dd

Title: Chemistry Compliance Index (non-GSS and GSS)					
NPP:					
Year:					
Quarter:					
Non-guaranteed shutdown state (non-GSS) operating conditions:					
a _i is the number of hours that parameter “i” is in specification during the quarter					
A is the number of hours the plant is in an operational state (non-GSS) (as defined by licensee-specific documentation) during the quarter					
Parameter		Unit (hours)			
		—	—	—	—
[Gd] in liquid injection safety system poison injection tanks	a ₁				
	A ₁				
[Gd] in moderator (unit in poison outage, SDS2 actuated)	a ₂				
	A ₂				
Moderator D ₂ O isotopic	a ₃				
	A ₃				
Moderator H ³	a ₄				
	A ₄				
Moderator cover gas D ₂	a ₅				
	A ₅				
Moderator conductivity	a ₆				
	A ₆				
Primary heat transport system D ₂ O isotopic	a ₇				
	A ₇				
Primary heat transport system H ³	a ₈				
	A ₈				
Primary heat transport system I ¹³¹	a ₉				
	A ₉				
Primary heat transport system D ₂ O storage tank cover gas D ₂	a ₁₀				
	A ₁₀				
Moderator to primary heat transport system D ₂ O isotopic purity difference check	a ₁₁				
	A ₁₁				
Annulus gas system dewpoint	a ₁₂				
	A ₁₂				
End shield cooling water pH	a ₁₃				
	A ₁₃				

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Parameter		Unit (hours)			
		—	—	—	—
End shield cooling cover gas H ₂ (for Point Lepreau, Gentilly-2, Pickering 5-8)	a ₁₄				
	A ₁₄				
ECI high-pressure water tank(s) pH	a ₁₅				
	A ₁₅				
ECI high-pressure water tank(s) hydrazine concentration	a ₁₆				
	A ₁₆				
Liquid zone control cover gas [H ₂]	a ₁₇				
	A ₁₇				
Liquid zone control conductivity	a ₁₈				
	A ₁₈				

Chemistry compliance index (non-GSS) = %

Guaranteed shutdown state (GSS) conditions:

For all units in guaranteed shutdown state (GSS) during the quarter, or part of the quarter:

b_i is the number of hours that parameter “i” is in specification during the quarter while the plant is in GSS

B is the number of hours the plant is in GSS (as defined by licensee-specific documentation) during the quarter

Parameter		Unit (hours)			
		—	—	—	—
Liquid injection safety system poison injection tanks pH _a (when SDS2 is available)	b ₁				
	B ₁				
[Gd] in moderator	b ₂				
	B ₂				
Moderator D ₂ O conductivity (except for Gentilly-2)	b ₃				
	B ₃				
Moderator D ₂ O pH _a	b ₄				
	B ₄				
Supplementary parameter(s) sampled	b ₅				
	B ₅				
	b ₆				
	B ₆				
	b ₇				
	B ₇				

Chemistry compliance index (GSS) = %

Station index (%) = %

Additional details as required (attach supplementary pages as necessary):
(differentiate between out-of-specification and missed samples where significant)

Prepared by:

Date: