Attachment 3

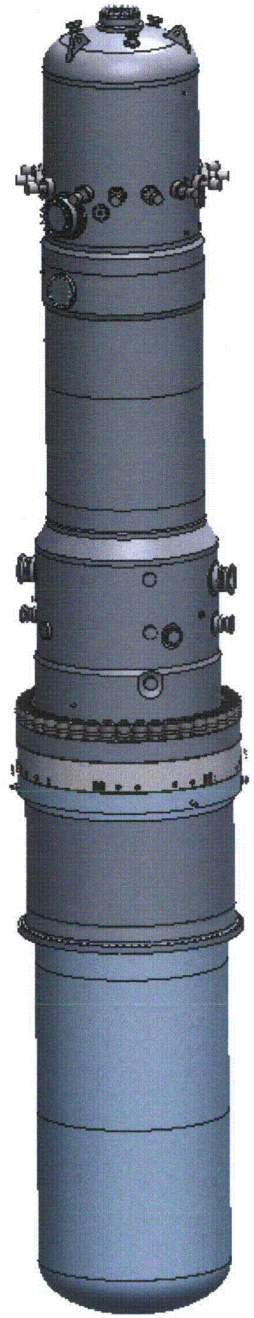
Reactor Overview Slides (Non-Proprietary)

generation

mPower

Reactor Overview

August, 2011



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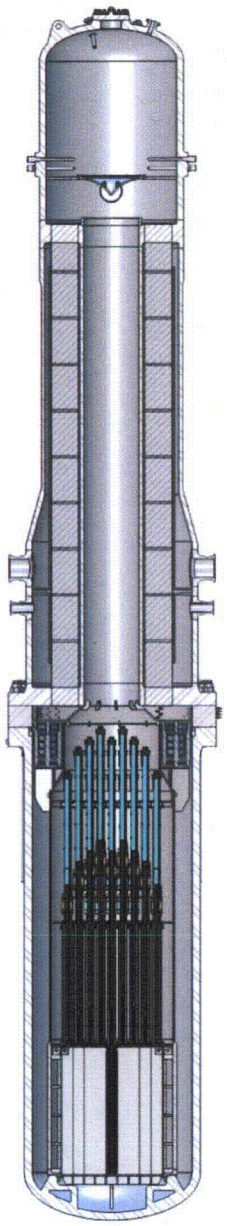
B&W *mPower* Reactor

Design Characteristics	
Reactor Type	PWR
Thermal Power	500 MWt
Integral Vessel *Pressurizer* *Steam Generator* *Reactor*	[
Internal CRDMs	
Passively Safe	
Rail Shippable	] [CCI per Affidavit 4(a)-(d)]
Fuel Assemblies	17x17 fuel pin array



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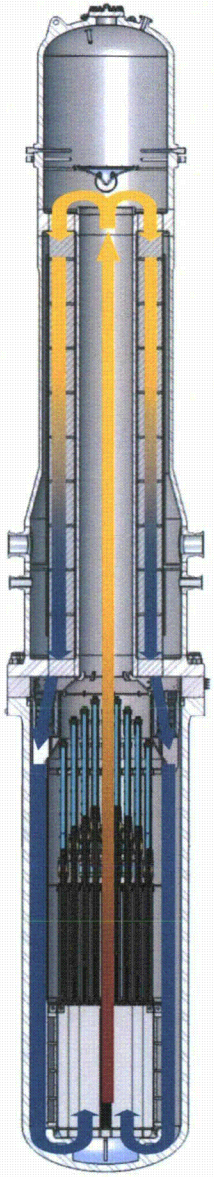
Operating Conditions



[CCI per Affidavit 4(a)-(d)]

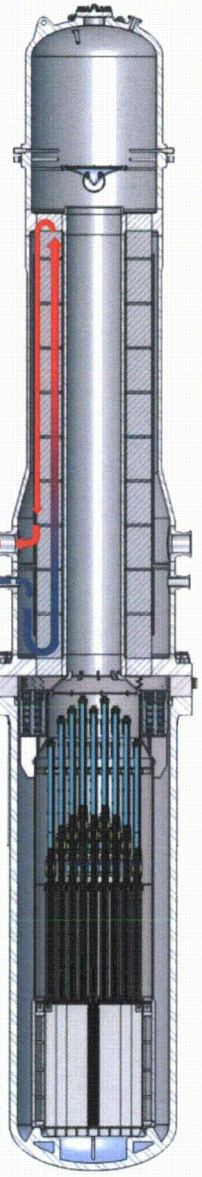
[ ]

Steam

Feedwater

[ ]

[CCI per Affidavit 4(a)-(d)]



2050 psia (639F Tsat)
608°F Core outlet

Primary Loop

Secondary Loop

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Pressure Boundary

] [CCI per Affidavit 4(a)-(d)]

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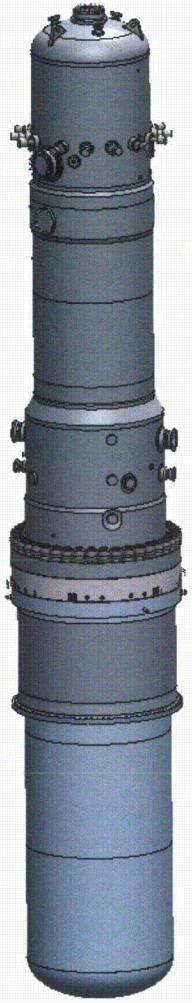
B&W *mPower* Reactor [



mPower Reactor

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[CCI per Affidavit 4(a)-(d)]

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Pressurizer

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[CCI per Affidavit 4(a)-(d)]

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Steam Generator

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[CCI per Affidavit 4(a)-(d)]

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Upper Internals Assembly

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[CCI per Affidavit 4(a)-(d)]

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Lower Vessel & Core Support

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[CCI per Affidavit 4(a)-(d)]

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