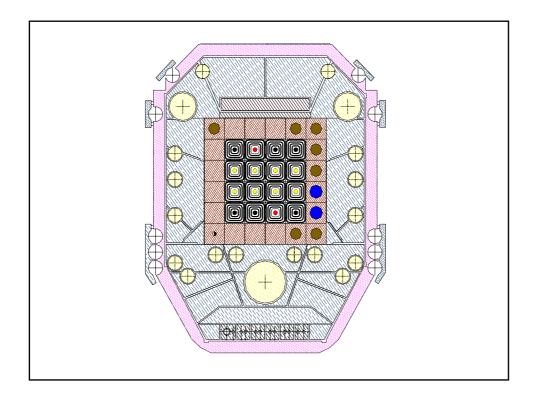


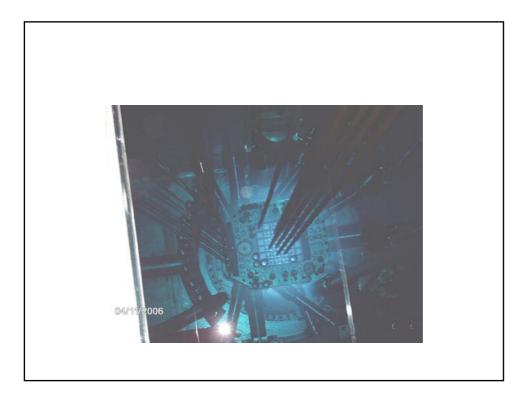
Thermal Power (kW) = 10,000
Type = POOL, IRT
Construction Date = 1980/10/10
Criticality Date = 1981/08/28
Max Flux SS, Thermal (n/cm²-s) = 2.0E14
Max Flux SS, Fast (n/cm²-s) = 1.5E14
Moderator = LIGHT WATER
Coolant = LIGHT WATER
Forced Cooling= 1650 m³/h
Coolant Velocity in Core= 5.6 m/s
Reflector = Be
Control Rods Material = B ₄ C
Control Rods number = 11 (8 SHIM, 2 SAFETY, 1 REG)

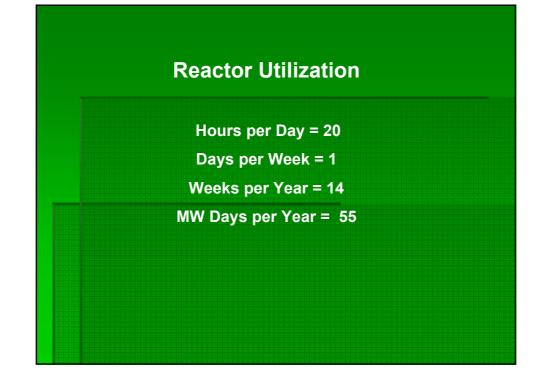
NUCLEAR FUEL DATA

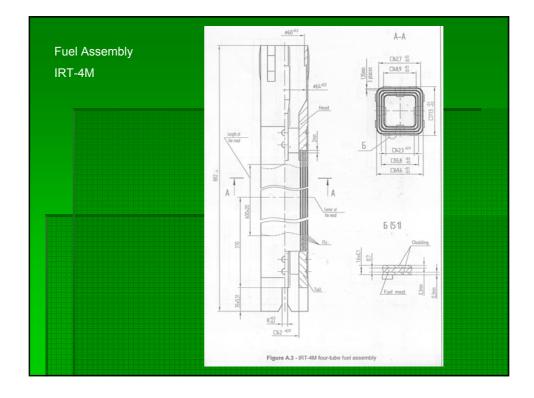
Origin of Fissile Material = RUSSIA Enrichment Supplier = RUSSIA Equilibrium Core Size = 16 Fuel Elements Tubes per Element = 3 & 4 (HEU – 80 %), 6 & 8 (LEU – 19.9 %) Dimensions of Tubes, mm = 67, 54, 41, 28, SQUARE Cladding Material = Al Alloy (SAV-I) Cladding Thickness, mm = 0.8 Fuel Material = Uranium dioxide, dispersed in Al matrix Fuel Thickness, mm = 0.4 Uranium Density, gU/cm³ = 1.36 (U-Al alloy – HEU) 2.77 (Uranium dioxide-Al – LEU)

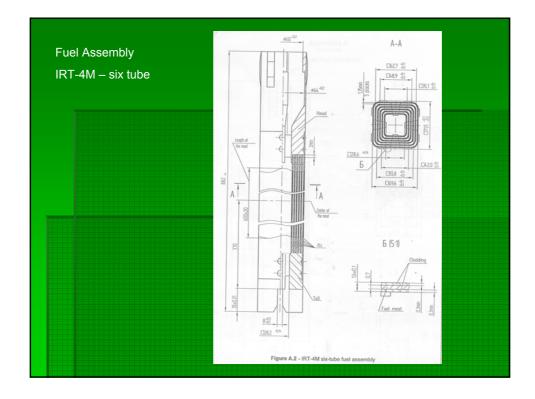
L	EU	гι	
Reactor type	Pool typ	be	
Power level, MW		10	
Fuel positions	16		
Irradiation position		51	
Horizontal beam		11	
Radial		8	
Tangential		3	
Fuel:			
Туре	IRT- 4M		
Meat Material		U20)-Al
Clad Material	AI (SAV	-I)	
Active Length, mm		600	
Lattice Pitch, mm		71.5	5
Moderator, Coolant		H2O)
Reflector		Bery	yllium
Control Rod Absorber (I	(C)		B4C (6)
Safety Rod (AZ)	2		
Automatic Rod (AP)		1	
Coolant inlet Temperatu	re. C		45

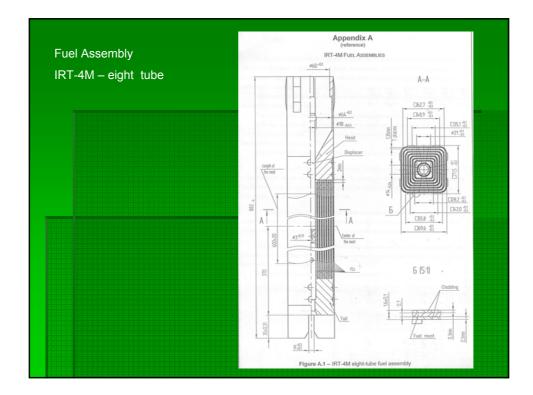


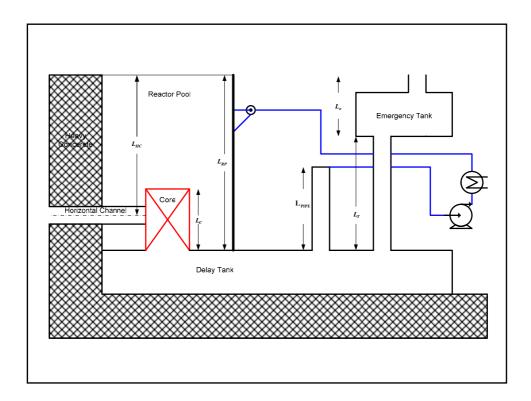


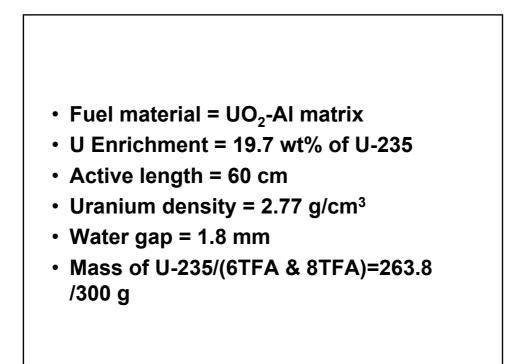


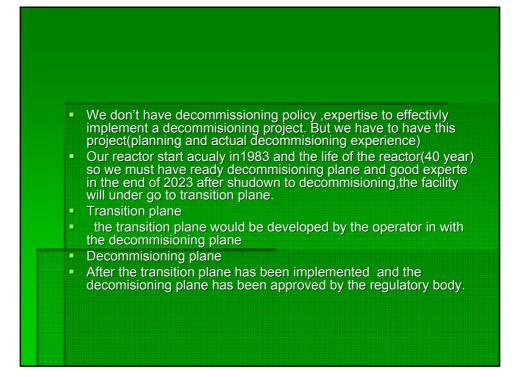












Preparation program for decommisioning

Regulatory Body established in 2006

- Making Regulation (requirement and guidance) Management planning Training & Qualification Method & technique Equipment Radiation Protection Waste management Maintain and keeping document
- Security and safeguards
 - Emergency prepadness
- Information exchange

