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CONFIDENTIAL WHEN COMPLETED	APPROVED BY OMB: NO. 3150-0056 EXPIRES: 08/31/2014
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_	NAL ATOMIC ENERGY AGENCY F SAFEGUARDS AND INSPECTION
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DESIGN	N INFORMATION
QUE	STIONNAIRE *
	(CONTINUED)
The "Confidential" marking on this form is for IAEA	
purposes only. It indicates that the IAEA considers the information in the completed form to be	IAEA USE ONLY
'safeguards confidential' and is not to be confused with any U.S. security classification.	
* Questions which are not applicable may be left unanswered.	
unanswered.	
unanswered.	
	(SUB-CRITICAL) FACILITIES
CRITICAL	(SUB-CRITICAL) FACILITIES ENERAL FACILITY DATA
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CRITICAL	ENERAL FACILITY DATA
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DATE:

GENERAL FACILITY DATA	
14. EXPECTED MAXIMUM OPERATING POWER	
15. (1) MODERATOR, (2) REFLECTOR, (3) BLANKET, (4) COOLANT	
NUCLE	AR MATERIAL DESCRIPTION
16. MAIN TYPES OF NUCLEAR MATERIAL/ FUEL AND NOMINAL WEIGHT OF NUCLEAR MATERIAL IN THE FACILITY	
17. FUEL ENRICHMENT RANGE AND PU CONTENT	

NUCLE	EAR MATERIAL DESCRIPTION
18. DESCRIPTION OF FUEL ELEMENTS (for each type) - physical and chemical form of fuel; - geometrical form or type; - dimensions; - number of slugs per element; - nuclear material and fissionable material and its quantity (with design tolerance); - composition of alloy, etc.	DRAWING(S) ATTACHED UNDER REFERENCE NUMBERS:
19. CLADDING MATERIAL: - thickness; - composition of material; - bonding	
20. SUB-ASSEMBLIES OF FUEL (number of fuel elements per nuclear assembly, arrangement of fuel elements in sub-assembly, configuration and nominal weight of nuclear material per sub-assembly [with design tolerance])	DRAWING(S) ATTACHED UNDER REFERENCE NUMBERS:
21. BASIC OPERATIONAL ACCOUNTING UNIT (fuel elements/assemblies, etc.)	DRAWING(S) ATTACHED UNDER REFERENCE NUMBERS:

DATE:

NUCLEAR MATERIAL DESCRIPTION	
22. OTHER TYPES OF UNITS	
23. MEANS OF NUCLEAR MATERIAL/FUEL IDENTIFICATION	
IDENTIFICATION	
24. OTHER NUCLEAR MATERIAL	
IN THE FACILITY (each separately identified)	
(coor coparatory recrumos)	

	CORE		
25.	CORE DIAGRAM (for each critical assembly showing the general disposition, core support structure, shielding and heat removal arrangements, channels for fuel elements or sub-assemblies, control rods, moderator, reflector, beam tubes, dimensions, etc.)	DRAWING(S) ATTACHED UNDER REFERENCE NUMBERS:	
26.	RANGES OF CRITICAL MASS AND MAXIMUM RADIUS		
27.	DESCRIPTION OF MOST COMMON CONFIGURATIONS	DRAWING(S) ATTACHED UNDER REFERENCE NUMBERS:	
28.	AVERAGE MEAN NEUTRON FLUX IN THE CORE: Thermal: Fast:		
29.	INSTRUMENTATION FOR MEASURING NEUTRON AND GAMMA FLUX: - accuracy and type of principal instruments; - location of indicator and recorder;		
30.	RADIATION LEVEL OUTSIDE/INSIDE SHIELDING AT SPECIFIED PLACES	RADIATION LEVEL DIAGRAM(S) ATTACHED UNDER REF. NUMBERS:	
31.	MAXIMUM RADIATION ACTIVITY OF FUEL AFTER REFUELING (at the surface and at a distance of 1 metre)		

	NU	ICLEAR MATERIAL FLOW
NU (ide	HEMATIC FLOW SHEET FOR CLEAR MATERIAL entification of:	FLOW SHEET(S) FOR NORMAL OPERATION ATTACHED UNDER REFERENCE NUMBERS:
8	measurement points; accountability areas; nventory location, etc.	
for	operator purposes)	
Sta ura	/ENTORY te quantity range and approximate nium enrichment and plutonium ttent for:	
i)	Nuclear Material Storage(s)	
ii)	Core Area(s)	
iii)	Assembly Core(s) Itself	
iv)	Other Locations	

CRITICAL (SUB-CRITICAL) FACILITIES

	NUCLEAR MATERIAL HANDLING		
34.	NUC	CLEAR MATERIAL	
	i)	Packaging (description)	
	ii)	Storage Plan and Arrangements	DRAWING(S) ATTACHED UNDER REFERENCE NUMBERS:
	iii)	Capacity of Storage	
	iv)	Nuclear Material Preparation (description and identification of layout and general arrangement)	DRAWING(S) ATTACHED UNDER REFERENCE NUMBERS:
35.	FUE	EL TRANSFER EQUIPMENT, IF ANY	DRAWING(S) ATTACHED UNDER REFERENCE NUMBERS:
36.		JTES FOLLOWED BY NUCLEAR FERIAL	DRAWING(S) ATTACHED UNDER REFERENCE NUMBERS:

NUCL	EAR MATERIAL HANDLING
37. MAIN EQUIPMENT USED FOR	
i) Nuclear Material Assembling	
ii) Nuclear Material Testing	
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iii) Nuclear Material Measuring	
iii) Nucleal Material Measuring	
PROTEC	TION AND SAFETY MEASURES
38 BASIC MEASURES FOR PHYSICAL PROTECTION OF NUCLEAR MATERIAL	
PROTECTION OF NOCLEAR MATERIAL	

PROTEC	TION AND SAFETY MEASURES
39. SPECIFIC HEALTH AND SAFETY RULES FOR INSPECTOR COMPIANCE (if extensive, attach separately)	
NUCLEAR MAT	ERIAL ACCOUNTANCY AND CONTROL
40. SYSTEM DESCRIPTION Give description of: - the nuclear material accountancy system; - the method of recording and reporting accountancy data; - the procedures for account adjustment after inventory and correction of mistakes, etc. under the following headings: i) General	SPECIMEN FORMS USED IN ALL PROCEDURES ATTACHED UNDER REFERENCE NUMBERS:

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL		
40. SYSTEM DESCRIPTION (Continued)		
i) General (continued)		
ii) Receipts		

		NUCLEAR MAT	ERIAL ACCOUNTANCY AND CONTROL
40.	0. SYSTEM DESCRIPTION (Continued)		
	iii)	Shipments	
	iv)	Physical Inventory Description of procedures, scheduled frequency, methods of operator's inventory taking (both for item and/or bulk accountancy), including relevant assay methods and expected accuracy, access to nuclear material, methods of verification of nuclear material in the core	LIST OF MAJOR ITEMS OF EQUIPMENT REGARDED AS NUCLEAR MATERIAL CONTAINERS ATTACHED UNDER REFERENCE NUMBERS:
	v)	Operational Records and Accounting Records (including method of adjustment or correction and place of preservation and language)	
41.	PEF	W OFTEN IS CORE DISASSEMBLED TO RMIT THE VERIFICATION OF NTAINED NUCLEAR MATERIAL?	

CRITICAL (SUB-CRITICAL) FACILITIES

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL		
42. FEATURES RELATED TO CONTAINMENT AND SURVEILLANCE MEASURES (general description of applied or possible measures)		
43. FOR EACH MEASUREMENT POINT OF ACCOUNTABILITY AREAS, IDENTIFIED UNDER QS. 32, GIVE THE FOLLOWING (if applicable) i) Description of Location, Type, Identification	SEPARATE SHEET(S) CAN BE ATTACHED FOR EACH MEASUREMENT POINT IF NECESSARY, ATTACH DRAWING(S)	
ii) Anticipated Types of Inventory Change and Possibilities to Use This Measurement Point for Physical Inventory Taking		
iii) Physical and Chemical Form of Nuclear Material (with cladding materials description)		
iv) Nuclear Material Containers, Packaging	IF NECESSARY, ATTACH DRAWING(S)	
v) Sampling Procedure and Equipment Used		

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL			
ACC UNE	R EACH MEASUREMENT POINT OF COUNTABILITY AREAS, IDENTIFIED DER QS. 32, GIVE THE FOLLOWING oplicable) ntinued)		
vi)	Measurement Method(s) and Equipment Used		
vii)	Source and Level of Random and Systematic Errors (measurements)		
viii)	Technique and Frequency of Calibration of Equipment Used		
ix)	Method of Converting Source Data to Batch Data		
x)	Means of Batch Identification		
xi)	Anticipated Batch Flow Rate Per Year		
xii)	Anticipated Number of Items Per Flow and Inventory Batch		

CRITICAL (SUB-CRITICAL) FACILITIES

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL		
43. FOR EACH MEASUREMENT POINT OF ACCOUNTABILITY AREAS, IDENTIFIED UNDER QS. 32, GIVE THE FOLLOWING (if applicable) (Continued) xiii)Type, Composition and Quantity of Nuclear Material Per Batch (with indication of batch data, total weight of nuclear material in item, the isotopic composition (for uranium), and Pu content, when appropriate; form of nuclear material) xiv)Features Related to Containment-Surveillance Measures		
OPTIONAL INFORMATION		
44. OPTIONAL INFORMATION (that the operator considers relevant to safeguarding the facility)		
	Signature of Responsible Officer:	
	Date:	