



Proposition for training curriculum

Sodium School - Operation

Item : Operation for nuclear facilities and Radioprotection
Sub-item : Operations, Maintenance and Nuclear Logistics
Sodium School

Engineers

Operation of sodium facilities (5 days)

Technicians

Practice of sodium circuit operation (3 days)

Practice of sodium purification (3 days)

Practice of Cleaning and decontamination of components (3 days)

General public

Safety and Sodium Risk Mastering (1 day)

Validation of sodium risk knowledge (0.5 day)

Every training cursus has to be started with the sessions in red

Sodium School

AGENDA

Module P : Sodium Purification

Dates : ***

Animator : ***

	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h		
1st day		Welcome Module Prsentat ion	Courses N°52 et 53 Sources of pollution, transferts of H2 and H3	Coffee break	Courses N°51 et 56 Mechanisms of cristallization and design evolution of cold traps		Exercise : sodium filling of sodium loop, beginning of heating phase	Coffee break	Course N°9 Monitoring of sodium quality			
2nd day		Course N°55 Cold trap operation rules	Coffee break	Exercise : interpretation of heating phase, beginning of purification phase			Exercise : purification phase	Course N°58 Cold trap statement	Exercise (continued)			
3rd day		Exercise : end of purification phase		Coffee break	Exercise : draining of sodium loop			Course N°59 Cold trap Treatment	Individual test	Coffee break	Correction of tests	Evaluation of the sessior

Sodium School

Programme Session E : Operation of sodium circuits

Animator : ***

Dates : ***

	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h
1st day ***		Welcome and Presentation of the session Animator	Courses 201, 216, 217 Sodium Properties	Courses 221, 225, 226, 227 Instrumentation of Sodium Circuits			courses 208, 215 Measurement of sodium quality	Course 223 Exercise : putting sodium loop into	Courses 207, 211 Purification - Rules for cold trap operation	
2nd day ***		Courses 222, 224 Operation of sodium circuits		Course 223 Exercise : sodium loop filling	Courses 27, 233 Technology of sodium circuits		Course 223 Exercise : sodium loop operation		Course 223 Exercise : sodium loop operation	
3rd day ***		Course 228 Intervention on sodium circuits	Course 223 Exercise : intervention on sodium loop	Individual test		Course 133 Visit of sodium facilities	Study of specific case	Test Evaluation	Evaluation of the session	

SODIUM SCHOOL

AGENDA

SESSION " OPERATION OF SODIUM FACILITIES"

Dates : ***

Animator : ***

	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h
MONDAY ***		Welcome and presentation of the session Animator	courses 200 and 201 Chemical Properties of sodium	courses 201 and 202 Physical Properties of sodium		courses 208 and 215 Measurement of sodium quality		Courses 221, 225, 226 and 227 Instrumentation of sodium circuits		
TUESDAY ***		courses 207 and 211 Purification - Rules for cold trap monitoring	course 166 Contamination in Sodium Nuclear Plants			courses 10, 163 and 118 Sodium-Water Reaction Hydrogen Detection	course 169 Corrosion			
WEDNESDAY ***		courses 21 and 165 Decontamination of sodium components	courses 209, 213 Sources of sodium pollution	Courses 19, 237 Treatment of residual sodium		course 161 In Service Inspection and Repair	courses 234, 235 and 236 VISUS machine			
THURSDAY ***		courses 27 and 233 Technology of sodium circuits B. PELISSET	courses 204 and 219 Mastering of sodium risks			courses 222 and 224 operation of sodium circuits	course 133 Visit of sodium facilities Animator	Individual test Animator		
FRIDAY ***		course 205 Exercise on a real sodium fire	courses 168 and 170 Phenix Plant feedback experience		Repas Maison d'hôtes	course 164 Superphenix Plant feedback experience	Correction évaluation écrite	Bilan session Animator		

