

Radioactive Waste Treatment Facility

Operator Training, Competent Authority's Test, and Re-training Programs

Operator Training Programs (At least 60 hours)

A. Facility System and Operation Procedure (At least 30 hours)

1. Introduction to radioactive waste treatment technologies, including liquid waste treatment, solid wet waste treatment, and dry waste treatment (required, at least two hours for each )
2. Safety management and quality assurance of radioactive waste treatment facilities, including the safety analysis of the facility, technical specifications and operation procedures, incident response and experience sharing (required, at least two hours for each)
3. Introduction to the management of low-level radioactive waste, including its reduction, treatment, storage, transport, final disposal, release, decontamination, and facility decommissioning
4. Introduction to the management of spent nuclear fuel, including its storage, transport, final disposal and reprocessing; nuclear safeguards and security.
5. Operation-related technical courses, including unit operation and automatic control

B. General Training (At least 30 hours)

1. Radioactive Materials Management Act (required, at least three hours)
2. Ionizing Radiation Protection Act (required, at least three hours)
3. Radiation Physics and radiation protection, radiation measurement/dosimetry, and radiation accident response(required, at least two hours for each)
4. Radiation safety , including the biological effects of radiation, radiation shielding, external dose rate monitoring, internal dose rate and biochemical analysis, environmental radiation monitoring, radioactive decontamination methods, international trends in radiation protection, and applications of radiation.
5. Fundamental nuclear energy courses, including nuclear power, reactor engineering, nuclear power systems, and nuclear fuel cycle
6. Labor safety and health regulations, quality, environmental protection, and management related courses

Competent Authority's Test Programs (Written test)

1. Acts and regulations on Radioactive Materials Management

2. Introduction to radioactive waste treatment technologies

Incumbent Operator Re-training Programs (At least 60 accumulated hours in six years )

1. Facility system and operation procedure training (same courses as above)
2. General training (same courses as above)

Radioactive Waste Treatment Facility

Senior Operator Training, Competent Authority's Test, and Re-training Programs

Senior Operator Training Programs (At least 60 hours)

A. Facility Management, System and Operation Procedures (At least 30 hours)

1. Radioactive waste treatment technologies, including liquid waste treatment, solid wet waste treatment, dry waste treatment, and information about foreign radioactive waste treatment (required, at least two hours for each)
2. Radioactive waste operation management (required, at least six hours)
3. Safety management and quality assurance of radioactive waste treatment facilities, including safety analysis of the facility, technical specifications, operation procedures, incident response and experience sharing (required, at least two hours for each)
4. Advanced courses on the management of low-level radioactive waste, including its reduction, treatment, storage, transport, final disposal, release, decontamination, and facility decommissioning
5. Advanced courses on the management of spent nuclear fuel, including its storage, transport, final disposal and reprocessing; nuclear safeguards and security
6. Operation-related technical courses, including unit operation and automatic control

B. General Training (At least 30 hours)

1. Act for Radioactive Materials Management (required, at least three hours )
2. Ionizing Radiation Protection Act (required, at least three hours )
3. Radiation physics and radiation protection, radiation measurement and radiation dosage, and emergency response to radiation accident (required, at least two hours each)
4. Radiation safety related courses, including the biological effects of radiation, radiation shielding, external dose rate monitoring, internal dose rate and biochemical analysis, environmental radiation monitoring, radioactive decontamination methods, international trends in radiation protection, and radiation applications
5. Basic courses on nuclear energy, including nuclear power, reactor engineering, nuclear power systems and nuclear fuel cycle
6. Courses related to labor safety and health regulations, quality, environmental protection, and management

Competent Authority's Test Programs (Written test)

1. Acts and regulations on Radioactive Materials Management
2. Radioactive waste treatment technologies
3. Radioactive waste operation management

Incumbent Senior Operator Re-training Programs (At least 60 accumulated hours in six years)

1. Facility management and system operation procedure training (same courses as above)
2. General training (same courses as above)

Radioactive Waste Treatment Facility Operating Personnel Certificate Application

Name :	Sex :	Date of Birth :
ID Number :		
Education :		
Organization :	Title :	
Work Address : □□□	Phone : (    )	
Postal Address : □□□	Phone : (    )	
Type of Application : <input type="checkbox"/> Senior Operator <input type="checkbox"/> Operator		
<p>Required Documents :</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Proof of passing the competent authority's test (please attach a photocopy)</li> <li>2. <input type="checkbox"/> ID card (please attach a photocopy)</li> <li>3. <input type="checkbox"/> One two-inch photo</li> <li>4. <input type="checkbox"/> NT \$1000 Money order (certificate fee)</li> </ol>		
<p>Notes :</p> <ol style="list-style-type: none"> <li>1. Proof of passing the competent authority's test will be accepted only if issued within the past year.</li> <li>2. The NT \$1000 certificate fee should be paid via domestic postal money order, made payable to: Fuel Cycle and Materials Administration of the Atomic Energy Council.</li> <li>3. For all the above documents, photocopies of required documents should be submitted. The applicant will be legally liable if the photocopy and the original document do not match or are forged. The photocopies of proof documents will not be returned to the applicant after review.</li> <li>4. Applicants should note that the operator certificate takes 15 days to issue.</li> </ol>		
Review Results : ( Filled by Review Officer )		

Applicant : \_\_\_\_\_ ( Signature )

Date of Application : \_\_\_\_\_ (mm/dd/yyyy)

Form B

Radioactive Waste Treatment Facility Operating Personnel Certificate Replacement and  
Renewal Application

Name :	Sex :	Date of Birth :
ID Number :		
Education :		
Organization :	Title :	
Work Address : □□□	Phone : (    )	
Postal Address : □□□	Phone : (    )	
Type of Application : <input type="checkbox"/> Senior Operator <input type="checkbox"/> Operator		
<p>Required Documents :</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> The original certificate number : Expiration Date :            (mm/dd/yyyy)(please attach a photocopy)</li> <li>2. <input type="checkbox"/> Total re-training hours _____ (at least 60 hours in the last six years) Total number of photocopies of proof documents _____ (fill out the re-training courses in Appendix, and attach a photocopy of proof documents)</li> <li>3. <input type="checkbox"/> ID card (please attach a photocopy)</li> <li>4. <input type="checkbox"/> One two-inch photo</li> <li>5. <input type="checkbox"/> Money order of \$1000 (review fee)</li> </ol>		
<p>Notes :</p> <ol style="list-style-type: none"> <li>1. The NT \$1000 review fee should be paid via domestic postal money order, made payable to: Fuel Cycle and Materials Administration of the Atomic Energy Council. Once the application is approved, a certificate fee of NT \$1000 will be collected from the applicant.</li> <li>2. For all the above documents, photocopies of required documents should be submitted. The applicant will be liable if the photocopy and the original document do not match or are forged. The photocopies of proof documents will not be returned to the applicant after review. Applicants should note that the operator certificate takes 30 days to issue.</li> </ol>		
Review Results : ( Filled by Review Officer )		

Applicant : \_\_\_\_\_ ( Signature )

Date of Application : \_\_\_\_\_ (mm/dd/yyyy)

Form B – Appendix

Radioactive Waste Treatment Facility Operating Personnel Re-training Courses and Hours

Applicant :	Date : _____ (mm/dd/yyyy)
Type of Application : <input type="checkbox"/> Senior Operator <input type="checkbox"/> Operator	
1. <input type="checkbox"/> Total re-training hours _____ Total number of photocopies of proof documents _____	
Training Course 01 :	Hours :        hours
Training Course 02 :	Hours :        hours
Training Course 03 :	Hours :        hours
Training Course 04 :	Hours :        hours
Training Course 05 :	Hours :        hours
Training Course 06 :	Hours :        hours
Training Course 07 :	Hours :        hours
Training Course 08 :	Hours :        hours
Training Course 09 :	Hours :        hours
Training Course 10 :	Hours :        hours
Training Course 11 :	Hours :        hours
Training Course 12 :	Hours :        hours
Training Course 13 :	Hours :        hours
Training Course 14 :	Hours :        hours
Training Course 15 :	Hours :        hours
Training Course 16 :	Hours :        hours
Training Course 17 :	Hours :        hours
Training Course 18 :	Hours :        hours
Training Course 19 :	Hours :        hours
Training Course 20 :	Hours :        hours
<input type="checkbox"/> Page ____ of ____	

Note: This form may be modified or copied for extended use.

Form C

Radioactive Waste Treatment Facility Operating Personnel Certificate Replacement and  
Updating Application

Name :	Sex :	Date of Birth :
ID Number :		
Education :		
Organization :	Title :	
Work Address : □□□	Phone : (    )	
Postal Address : □□□	Phone : (    )	
Type of Application : <input type="checkbox"/> Senior Operator <input type="checkbox"/> Operator		
Reason for Replacement or Updating : <input type="checkbox"/> Lost <input type="checkbox"/> Damaged <input type="checkbox"/> Field Changes (Please indicate)		
Original Certificate No. :	Expiration Date (optional) :	
Required Documents :		
1. <input type="checkbox"/> ID Card (please attach a photocopy)		
2. <input type="checkbox"/> One two-inch photo		
Note :		
1. For all the above documents, photocopies of required documents should be submitted. The applicant will be liable if the photocopy and the original document do not match or are forged. The photocopies of proof documents will not be returned to the applicant after review.		
2. Applicants should note that the operator certificate takes 30 days to issue. The replacement certificate is valid until the expiration date on the original certificate.		
Review Results : ( Filled by Review Officer )		

Applicant : \_\_\_\_\_ ( Signature )

Date of Application : \_\_\_\_\_ (mm/dd/yyyy)

