IMPORTANT — PLEASE READ

If your facility generates LLRW that
requires disposal in a licensed LLRW disposal facility
or stores LLRW pending disposal,
you must use this complete
Low-Level Radioactive Waste Report Form.

However, if your facility manages LLRW by
DECAY IN STORAGE ONLY
(i.e., short-lived radionuclides)
you must instead use the
Condensed Form for Decay in Storage Only.

If you have any questions about
which form to complete, contact Alyse Peterson at
NYSERDA — (518) 862-1090, ext. 3274 or
llrwadmin@nyserda.ny.gov

Filing Deadline: March 1st - Annually

ABOUT THE REGULATORY AGENCIES

In general, the receipt, possession and use or processing of radioactive material, including low-level radioactive waste (LLRW), requires a radioactive material license from the appropriate New York regulatory agency or the U.S. Nuclear Regulatory Commission. Normally, a single license from a single licensing agency is all that is required for most institutions, corporations, utilities, etc. If an institution or corporation holds multiple licenses under which LLRW was generated, or if people in the organization hold individual licenses under which LLRW was generated, then all of those licenses and the respective licensing agencies must be identified. In that case, append a list of the license numbers and the licensing agencies to the Report Form. The licensing agencies and their respective jurisdictions are:

New York State Department of Health

- Regulates radioactive material users (e.g., hospitals and universities) in New York State outside of New York City, plus industrial users in New York City.

New York City Department of Health

- Regulates non-industrial radioactive material users in New York City.

U.S. Nuclear Regulatory Commission

- Regulates federal radioactive material users (e.g., Veterans Administration hospitals) and major nuclear facilities (e.g., nuclear power plants) in New York State.

GUIDELINES TO THE GENERATOR REPORT FORM

Waste Management Method	Description	Sections to Complete
Storage for Decay — On Site	LLRW containing radionuclides with half-lives up to 90 days stored on site for decay and eventual disposal as non-radioactive waste.	Sections I, II-A, II-G, IV, V **NOTE: If managing LLRW by Storage for Decay only, use the condensed form**
Storage for Decay — Off Site	Same as above. The LLRW being reported has been transferred to an off-site facility.	Sections I, II-A, II-D, II-G, IV, V **See note directly above.**
Interim Storage — On or Off Site	LLRW containing radionuclides with half-lives greater than 90 days being held in long-term storage pending disposal. **THIS DOES NOT REFER TO ROUTINE ACCUMULATION OF LLRW FOR SUBSEQUENT TRANSFER TO A LICENSED DISPOSAL FACILITY.**	Sections I, II-A through C, II-F through I, III, IV, V, VI
Interim Storage — On or Off Site after Processing	Same as above.	All
Ship for Disposal — Direct	LLRW received by a licensed disposal facility via direct transfer from generator.	Sections I, II-A through C, II-F through I, III, IV, V, VI
Ship for Disposal via Broker/Processor	Some LLRW may undergo additional treatment prior to disposal. Please consider this when reporting LLRW volume in Section II-E. If you use a broker to transport your LLRW, he/she can supply this information.	All

RETURN ANNUALLY BY MARCH 1st TO:

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
Radioactive Waste Policy and Nuclear Coordination Program
17 Columbia Circle
Albany, NY 12203-6399
llrwadmin@NYSERDA.NY.GOV

CODE (official use only)
| | | | | | |

NOTE: Please refer to the **Instructions** before completing this form.

LOW-LEVEL RADIOACTIVE WASTE
REPORT FORM

FOR THE PERIOD: JANUARY 1st THROUGH DECEMBER 31st

PLEASE TYPE OR PRINT LEGIBLY

SECTION I. GENERATOR INFORMATION

A	**Updated Generator Information**			
ENTER 4-DIGIT GENERATOR ID (can be found on the mailing label on annual postcard): _____			ENTER REPORTING YEAR: ____	
Licensing Agency/ies		**License No(s).**		
New York State Department of Health				
New York City Department of Health				
U.S. Nuclear Regulatory Commission				
Your Facility Phone No.:		Ext:	Email Address:	
Contact:			Title:	
Facility Name:				
Street Address:				
City:		County:	State:	Zip Code:
B	Name and principal office of facility where LLRW is generated **if** different from A (above)			
Street Address:				
City:		County:	State:	Zip Code:
C	Preparer's Name:	Title:	Telephone and Ext.:	

D	Identify, by issuing authority and number, permits that authorize transfer of your LLRW to a licensed LLRW disposal facility:		
	Issuing Authority	**Disposal Site Location**	**Disposal Site Use Permit Number**

E	**FACILITY TYPE CODE** Type in the appropriate letter and number for the appropriate code **OR** choose one from **EACH DROP-DOWN MENU BELOW**. Refer to the table below to determine the facility type code that best describes your facility. Choose only one code consisting of a letter and number.
	Choose a Letter: _____ **Choose a Number:** _____
F	Briefly describe the activities, processes, or uses of radioactive material that result in LLRW generation at your facility.

This Report Form has been submitted by the preparer listed in item I(C) above. In submitting this form, preparer hereby certifies that the information set forth is true to the best of the preparer's knowledge.	DATE:

Facility Type Codes

Electric Utility			
A	Nuclear Power Plant	1	Boiling Water Reactor
B	Other*	2	Pressurized Water Reactor
		3	Other*
Medical			
C	Governmental	1	Medical School
D	Private	2	Hospital
E	College or University	3	Office
F	Other*	4	Laboratory, non-research
		5	Research
		6	Nuclear Pharmacy
		7	Other*
Industrial			
G	Research and Development	1	Radiopharmaceuticals
H	Manufacturing	2	Devices and Gauges
I	Other*	3	Non-destructive Testing
		4	Nuclear Laundry
		5	Waste Broker/Processor
		6	Radiotracers
		7	Analysis
		8	Other*
Academic (Non-Medical)			
J	College or University	1	Research, non-medical
K	Other*	2	Education and Training
		3	Other*
Governmental (Non-Medical)			
L	New York State	1	Research
M	Other*	2	Laboratory, non-research
		3	Other*

* If you used any of the codes for "Other," an explanation must be provided.

SECTION II. INFORMATION ON LLRW

A. LLRW AS GENERATED				
Waste Description Code		Waste Management Method	Chemical Form Code	Other Hazard Code
1		2	3	4
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				

CODES for SECTION II of the LOW-LEVEL RADIOACTIVE WASTE REPORT FORM

Note: If you respond "other" to any item, please provide an explanation on the Attachment Sheet provided in Section VII.

A. LLRW AS GENERATED

1 WASTE DESCRIPTION CODE

Choose the category that best describes the waste.

- 20 Charcoal
- 21 Incinerator Ash
- 22 Soil
- 23 Gas
- 24 Oil
- 25 Aqueous Liquid
- 26 Filter Media
- 27 Mechanical Filter
- 29 Demolition Rubble
- 30 Cation Ion-exchange Media
- 31 Anion Ion-exchange Media
- 32 Mixed Bed Ion-exchange Media
- 33 Contaminated Equipment
- 34 Organic Liquid (except oil)
- 35 Glassware or Labware
- 36 Sealed Source/Device
- 37 Paint or Plating
- 38 Evaporator Bottoms/ Sludges/Concentrates
- 39 Dry or Compactible Trash (paper, plastic, glass, etc.)
- 40 Noncompactible Trash (metal components, etc.)
- 41 Animal Carcass
- 42 Biological Material (except animal carcass)
- 43 Activated Material
- 44 Material that will be Incinerated
- 59 Other (describe)

2 WASTE MANAGEMENT METHOD

Transfer to Authorized Recipient
- W1 Transfer to Disposal Site via Broker
- W2 Transfer to Disposal Site Directly
- W3 Transfer - Other (describe)

Interim Storage
- W4 Placed in Storage before current reporting year
- W5 Placed in Storage during current reporting year
- W6 Shipped for Treatment prior to Storage

Storage for Decay
- W7 Storage for Decay (Only limited information required. See instructions.)

3 CHEMICAL FORM CODE
- C1 Paper and Plastic
- C2 Glass
- C3 Metals
- C4 Metal Oxides
- C5 Inorganic Salts
- C6 Organic Salts
- C7 Nucleic Acids
- C8 Amino Acids, Proteins, Enzymes
- C9 Carbohydrates, Sugars
- C10 Lipids, Fatty Acids
- C11 Other (describe)

4 OTHER HAZARD CODE
- H1 Ignitable
- H2 Corrosive
- H3 Toxic
- H4 Reactive
- H5 Pathogenic
- H6 Carcinogenic
- H7 Other (describe)
- H8 None

B. ON-SITE WASTE TREATMENT				
	Treatment Code	Sorption or Solidification Code	Effect of Treatment	Post-Treatment Volume (m^3)
	5	6	7	8
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				

B. ON-SITE WASTE TREATMENT

5 TREATMENT CODE

T1 Compaction
T2 Supercompaction
T3 Evaporation/ Crystallization
T4 Fluid Bed Drying/ Calcination
T5 Wet Oxidation
T6 Membrane Separation (ultrafiltration, reverse osmosis)
T7 Incineration
T8 Solidification
T9 Adsorption
T10 Sorting/Segregation
T11 Macroencapsulation
T12 Absorption
T13 Decontamination
T14 Surface Removal (scabbing, abrasive cleaning)
T15 Dry Chemical Packing (lime)
T16 Size Reduction (sectioning, shredding, cutting)
T17 Steam Reform
T18 Catalytic Extraction Process
T19 Dewatered
T20 Other (describe)
T21 None

6 SOLIDIFICATION OR SORPTION CODE

Sorption
60 Speedi Dri
61 Celetom
62 Floor Dry/Superfine
63 Hi Dri
64 Safe T Sorb
65 Safe N Dri
66 Florco
67 Florco X
68 Solid A Sorb
69 Chemsil 30
70 Chemsil 50
72 Dicaperl HP200
73 Dicaperl HP500
74 Petroset
75 Petroset II
76 Aquaset
77 Aquaset II
89 Other (describe)

Solidification
90 Cement
91 Concrete (encapsulation)
92 Bitumen
93 Vinyl Chloride
94 Vinyl Ester Styrene
99 Other (describe)
100 None Required

7 EFFECT OF TREATMENT

Impact of treatment on volume may be shown in percent or ratio. Note increase or decrease by ↑ or ↓, and describe change in chemical and physical form.

8 POST-TREATMENT VOLUME

Volume must be noted in cubic meters (m^3).

SECTION II. INFORMATION ON LLRW (cont.)

C. ON-SITE CONTAINER INFORMATION					D. BROKER/PROCESSOR INFORMATION		
	Container Description Code	Container Volume (m^3)	Maximum Surface Radiation Level (mSv/hr)	Number of Containers	Broker Code	Processor Code	Treatment Code
	9	10	11	12	13	14	15
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							

C. ON-SITE CONTAINER INFORMATION

9 CONTAINER DESCRIPTION CODE

1 Wooden Box or Crate
2 Metal Box
3 Plastic Drum or Pail
4 Metal Drum or Pail
5 Metal Tank or Liner
6 Concrete Tank or Liner
7 Polyethylene Tank or Liner
8 Fiberglass Tank or Liner
9 Demineralizer
10 Gas Cylinder
11 Bulk, Unpackaged Waste
12 Unpackaged Components
13 High-Integrity Container
14 Fiberboard Drum
19 Other (describe)

10 CONTAINER VOLUME

Volume must be noted in cubic meters (m^3).

11 MAXIMUM SURFACE RADIATION LEVEL

Surface radiation must be noted in mSv/hr.

12 NUMBER OF CONTAINERS

This information is required for each waste form.

D. BROKER/PROCESSOR INFORMATION

13 BROKER CODE

BC1 NDL
BC2 Radiac
BC3 Adco
BC4 Teledyne
BC5 US Ecology
BC6 Chem-Nuclear
BC7 SEG
BC8 Bionomics
BC9 Direct transfer
BC10 Other (describe)
BC11 None
BC12 Energy Solutions
BC13 Studsvik
BC14 Sempra Safe
BC15 Toxco
BC16 Alaron
BC17 Duratek
BC18 Permafix
BC19 Chase Environmental
BC20 Philo Technics
BC21 Qualtek

14 PROCESSOR CODE

P1 GTS Duratek
P2 NSSI
P3 DSSI
P4 Chem Nuclear, IL
P5 Alaron
P6 Quadrex, TN
P7 Permafix, FL
P8 ATG, TN
P9 ATG, WA
P10 Other (describe)
P11 Energy Solutions
P12 Studsvik
P13 Sempra Safe
P14 TMMC
P15 Toxco

15 TREATMENT CODE

See codes B-5.

SECTION II. INFORMATION ON LLRW (cont.)

E. POST-PROCESSOR TREATMENT INFORMATION		F. OTHER CHARACTERISTICS				
		Source Material		SNM		
Effect of Treatment	Total Post-Treatment Volume (m^3)	Source Material Code	Weight of Source Material (grams)	SNM Code	Total SNM (grams)	Maximum grams SNM in any shipment (grams)
16	17	18	19	20	21	22
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						

E. POST-PROCESSOR TREATMENT INFORMATION

16 EFFECT OF TREATMENT
See instructions for B-7.

17 TOTAL POST-TREATMENT VOLUME
Volume must be noted in cubic meters (m^3).

F. OTHER CHARACTERISTICS

18 SOURCE MATERIAL CODE
Source Material — Enter one code per line. Use a separate line for each type of source material transferred.

- NU Natural Uranium
- DU Depleted Uranium
- UO Uranium Ores
- NT Natural Thorium
- TO Thorium Ores

19 WEIGHT OF SOURCE MATERIAL
Weight must be noted in grams (g).

20 SNM CODE
Special Nuclear Material means one of the following:

- SNM1 Plutonium
- SNM2 Uranium-233
- SNM3 Uranium enriched in the isotope 233 or in the isotope 235
- SNM4 Any material artificially enriched by any of the foregoing

21 TOTAL SNM
Weight must be noted in grams(g).

22 MAXIMUM GRAMS SNM IN ANY SHIPMENT
Self-explanatory.

SECTION II. INFORMATION ON LLRW (cont.)

F. OTHER CHARACTERISTICS (cont.)					G. DISPOSAL AND STORAGE INFORMATION			
Waste With Chelating Agents								
Chelate Code		Volume and Weight of LLRW		Weight % Chelates	LLRW Class	Disposition Code	Disposal Site Code	Storage Site Code
		Volume (m^3)	Weight (kg)					
23		24	25	26	27	28	29	30
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

23 CHELATE CODE
- CA1 EDTA
- CA2 DTPA
- CA3 Carbolic Acid
- CA4 Hydroxy-carbolic Acids
- CA5 Citric Acid
- CA6 Glucinic Acid
- CA7 Other (describe)

24 VOLUME OF LLRW
Volume of LLRW containing chelating agents (m^3).

25 **WEIGHT OF LLRW**
Weight of LLRW containing chelating agents (kg).

26 WEIGHT % CHELATES
Weights less than 1% need not be reported.

G. DISPOSAL AND STORAGE

27 LLRW CLASS
Class of radioactive waste as described in sections 61.55 and 61.56 of Title 10, Code of Federal Regulations, as in effect on January 26, 1983, attached following instructions.
- AS Class A stable
- AU Class A unstable
- B Class B
- C Class C

28 DISPOSITION CODE
- D1 Directly to disposal
- D2 Treatment prior to disposal
- D3 Treatment/returned for storage
- D4 Treatment/no disposal (decontamination and reuse)
- D5 Storage/no treatment
- D6 Hold for decay on site and dispose as non-radioactive
- D7 Hold for decay off site and dispose as non-radioactive
- D8 Treatment/off-site storage
- D9 Other (describe)

29 DISPOSAL SITE
- DS1 Barnwell, SC
- DS2 Clive, UT
- DS3 Richland, WA
- DS4 Other (describe)
- DS5 Andrews, TX

30 STORAGE SITE
- S1 On site
- S2 Radiac
- S3 NDL
- S4 Adco
- S5 Other (describe)

H. LLRW NOT MEETING DISPOSAL FACILITY ACCEPTANCE CRITERIA				
LLRW Class	**Hazard Code**	**Volume (m^3)**	**Activity (MBq)**	**Radionuclides**
31	32	33	34	35

H. LLRW WITH UNACCEPTABLE DISPOSAL CRITERIA

31 LLRW CLASS
See codes G-27.

32 HAZARD CODE
See codes B-4.

33 VOLUME
Volume must be noted in cubic meters (m^3).

34 ACTIVITY
Activity must be reported in MegaBecquerels (MBq).

35 RADIONUCLIDES
As applicable to H-3.

I. CONTAINERS WITH SURFACE RADIATION LEVELS GREATER THAN 2mSv/hr (200mR/hr)			
LLRW Class		**Volume (m^3)**	**Activity by Radionuclide (MBq)**
36		37	38

SECTION III. LLRW SUMMARY (In order for information to total correctly, press the TAB key to navigate between cells)

A. DISPOSAL TOTALS FOR THIS YEAR								
Classes	**Disposed at: Andrews, TX**		**Disposed at: Clive, UT**		**Disposed at: Richland, WA**		**SUBTOTALS BY CLASS**	
Class A	**Volume (m^3)**	**Activity (MBq)**	**Volume (m^3)**	**Activity (MBq)**	**Volume (m^3)**	**Activity (MBq)**	**Volume –A**	**Activity –A**
Via Broker/ Processor							0.0000	0.0000
Direct Transfer							0.0000	0.0000
Class B							**Volume –B**	**Activity –B**
Via Broker/ Processor							0.0000	0.0000
Direct Transfer							0.0000	0.0000
Class C							**Volume –C**	**Activity –C**
Via Broker/ Processor							0.0000	0.0000
Direct Transfer							0.0000	0.0000
TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
					TOTAL ALL CLASSES		**VOLUME**	**ACTIVITY**
							0.0000	0.0000

(In order for information to total correctly, press the TAB key to navigate between cells)

B. INTERIM STORAGE TOTALS

Classes	Placed in Interim Storage during this year		Placed in Interim Storage before this year		SUBTOTALS BY CLASS	
Class A	**Volume (m^3)**	**Activity (MBq)**	**Volume (m^3)**	**Activity (MBq)**	**Volume - A**	**Activity - A**
On Site					0.0000	0.0000
Off Site					0.0000	0.0000
Class B					**Volume - B**	**Activity - B**
On Site					0.0000	0.0000
Off Site					0.0000	0.0000
Class C					**Volume - C**	**Activity - C**
On Site					0.0000	0.0000
Off Site					0.0000	0.0000
TOTALS	0.0000	0.0000	0.0000	0.0000		
			TOTAL ALL CLASSES		0.0000	0.0000

SECTION IV. RADIONUCLIDE INFORMATION FOR WASTE DISPOSED, HELD FOR DECAY, AND STORED

NOTE: Radionuclides mean each individual radionuclide if known, or, at a minimum, all radionuclides that have been or would have to be identified on disposal site manifests. H-3, C-14, Tc-99, and I-129 **must be identified** where present.

A.1	List the radionuclides contained in the **LLRW disposed of** during this year (see response to Section III-A). **Use additional sheets** as necessary. (In order for information to total correctly, press the TAB key to navigate between cells)

Radionuclide	Activity (MBq)	Radionuclide	Activity (MBq)	Radionuclide	Activity (MBq)
					1
				Total Activity in MBq	
				1.0000	

Total activity for all radionuclides listed above:
Total activity should equal total for LLRW **disposed** of, as reported in Section III-A.

NOTE: The total above should match your Total Activity from Section III, Table A, as shown here: 0.0000

A.2	If any of the radionuclides listed in Table A-1 have half-lives of less than 90 days, please explain why these are not being held for decay and eventual disposal as non-radioactive waste.

B.1	List the radionuclides contained in the LLRW **being held in storage for decay on site** as of December 31. **Use additional sheets as necessary.**

Radionuclide	Radionuclide	Radionuclide	Radionuclide	Radionuclide	Radionuclide

B.2	List the radionuclides contained in the LLRW **being held in storage for decay off site** as of December 31. **Use additional sheets as necessary.**

Radionuclide	Radionuclide	Radionuclide	Radionuclide	Radionuclide	Radionuclide

C.1	**On site –** List radionuclides contained in LLRW in **interim storage on site** as of December 31. **Use additional sheets as necessary.** (In order for information to total correctly, press the TAB key to navigate between cells)

Radionuclide	Activity (MBq)	Radionuclide	Activity (MBq)	Radionuclide	Activity (MBq)

Total Activity in MBq
0.0000

Total activity for all radionuclides listed above:
Total activity should equal total for LLRW **stored on site**, as reported.

C.2	**Off site –** List radionuclides contained in LLRW in **interim storage off site** as of December 31. **Use additional sheets as necessary.** (In order for information to total correctly, press the TAB key to navigate between cells)

Radionuclide	Activity (MBq)	Radionuclide	Activity (MBq)	Radionuclide	Activity (MBq)
					Total Activity in MBq
					0.0000

Total activity for all radionuclides listed above:
Total activity should equal total for LLRW being **stored off site**, as reported.

Combined Total On site + Off site Activity in MBq 0.0000

NOTE: The combined total above should match your Total Activity from Section III, Table B, as shown here: 0.0000

C.3	If any of the radionuclides listed in Table C-1 or C-2 have half-lives of less than 90 days, please explain why these are not being held for decay and eventual disposal as non-radioactive waste.

SECTION V. STORAGE FACILITY INFORMATION

NOTE: If your facility manages LLRW by storage for decay only, you only need to complete the Condensed Form for Decay in Storage Only.

ON-SITE STORAGE FACILITIES		
A.1	Briefly describe your on-site LLRW storage facilities. Include facilities you have for storage of special LLRW forms such as freezers, shielded areas for high-radiation-level wastes, or bermed storage areas for liquid wastes, and estimate the storage capacity for each.	
A.2	Total Storage Capacity: _____ m^3	
A.3	Estimated maximum volume of LLRW held in storage for decay at any one time: _____ m^3	
B	Do you have any plans for increasing your on-site storage capacity?	☐ No. Skip to C. ☐ Yes. Complete this section.
Describe such plans and indicate your expected new storage capacity.		

OFF-SITE STORAGE FACILITIES	
C Off-site storage facility information. Use additional pages if necessary.	
Please indicate if off-site storage is for storage for decay or interim storage.	☐ Storage for decay ☐ Interim storage
Name of facility:	
Address:	
Contact and phone number:	

NOTE: Please answer the following question based on LLRW requiring disposal at licensed LLRW disposal facilities, *not* LLRW held in storage for decay. DO NOT USE DESCRIPTIVE TERMS SUCH AS UNLIMITED, CONTINUOUS, OR INDEFINITE.

ESTIMATED STORAGE TIME FOR LLRW REQUIRING DISPOSAL		
D	Based on your anticipated LLRW generation rate and your anticipated capacity to store waste as of December 31, HOW MANY MONTHS could you continue to produce and store LLRW on site if access to licensed LLRW disposal facilities were no longer available?	**NOTE: Answer *must* be in months.** _____ months

SECTION VI. FUTURE LLRW GENERATION

FUTURE LLRW GENERATION THAT WILL REQUIRE DISPOSAL
(In order for information to total correctly, press the TAB key to navigate between cells)

Year	Class	Activity (MBq)	Volume (m^3)	Radionuclides
1	A			
	B			
	C			
	Total	0.0000	0.0000	
2	A			
	B			
	C			
	Total	0.0000	0.0000	
3	A			
	B			
	C			
	Total	0.0000	0.0000	
4	A			
	B			
	C			
	Total	0.0000	0.0000	
5	A			
	B			
	C			
	Total	0.0000	0.0000	

SECTION VII. ATTACHMENT SHEET
FOR ANY ADDITIONAL INFORMATION