

Year 2016 Survey Report For All Facilities

Part I - Facility Information

Report Date : 1/20/2017 3:54:00 PM

OWTID : 7036

Category : FC

OrgName : GE HITACHI NUCLEAR ENERGY

FacilityName : MORRIS OPERATION

Address : 7555 EAST COLLINS ROAD MORRIS IL 60450

ContactName : Anthony McFadden

ContactTitle : PLANT MANAGER, MORRIS OPERATIO

ContactPhone : (815) 942-5590

Email : anthony.mcfadden@ge.com

County : GRUNDY

PrincipalOfficer : Anthony McFadden

PrincipalOfficerTitle : PLANT MANAGER, MORRIS OPERATIO

ReportingPerson : Anthony McFadden

ReportingPhone : (815) 942-5590

Part II - On-Site Waste Management

1. Did you dispose of waste through the sanitary drain during 2016?
2. Do you return unit dose syringes or other contaminated material to a radiopharmacy?
3. Did you store LLRW on-site for decay to background during 2016?
4. Did you store any LLRW on-site that was in a form suitable for disposal in 2016 for future disposal?
 - a. Enter the volume of LLRW in storage as of 12/31/2015. 122 cu. ft.
 - b. Enter the volume of LLRW in storage as of 12/31/2016. 200 cu. ft.
5. Did you incinerate LLRW off-site, including scintillation fluids and specific wastes?
6. Did you decontaminate any articles on-site for re-use or waste minimization?
7. Did you replace techniques that use radionuclides with techniques that do not?
8. Do you plan to generate LLRW at anytime during 2017 through 2023 that will require storage for future disposal?
9. Will you need a Tracking System Permit Application to dispose of any LLRW at any time during 2016?
10. If you already have a Tracking System Permit, does it need amending?

Part III - Mixed Waste

1. Are you presently storing mixed wastes?
 - a. Enter the volume of mixed waste in storage during 2016 only. 0 cu. ft.
 - b. Enter the total volume of mixed waste in storage as of 12/31/2016. 0 cu. ft.
2. What testing methods do you use to determine that your LLRW is mixed waste?
What testing methods do you use to determine that your LLRW is mixed waste? If waste constituents are not readily apparent (contaminated lead, etc., an independent lab is used to verify waste status.
3. Do you plan to produce or possess mixed waste during 2017 through 2023 that will require on-site storage for future treatment or shipment for disposal at some time in the future?
4. Did your facility ship mixed waste for treatment, storage, and/or disposal during 2016?
 - a. List the total volume of mixed waste shipped for treatment, storage, and/or disposal during 2016. 0 cu. ft.

Part IV- Off-Site Waste management

1. Did you ship LLRW directly to a LLRW disposal facility during 2016?
2. Did you transfer LLRW to a waste broker and/or processor for treatment and/or disposal at a LLRW disposal facility during 2016?
3. Enter the total volume of LLRW shipped during 2016. 0 cu. ft.
4. Did you have any articles decontaminated off-site for re-use or waste minimization?

Table 1 Waste Stored On-Site for Decay to Background During 2016

Table 2 Waste Stored On-Site During 2016 for Future Disposal

Waste Type	Volume	Activity	Waste Class	Treatment	Radionuclides
39 __ Compactible Trash	150	0.7	A	14 __Standard Compaction	CO-60 CS-137 NI-63
40 __ Noncompactible Trash	50	0.3	A	98 __None	CO-60 CS-137 NI-63

Table 3 LLRW Generation Projections (2017-2023)

Year	ProjectedVolumeA:	ProjectedVolumeB:	ProjectedVolumeC:
2017	300	0	0
	ProjectedActivityA: 2	ProjectedActivityB: 0	ProjectedActivityC: 0
2018	400	0	0
	ProjectedActivityA: 4	ProjectedActivityB: 0	ProjectedActivityC: 0
2019	500	0	0
	ProjectedActivityA: 6	ProjectedActivityB: 0	ProjectedActivityC: 0
2020	600	0	0
	ProjectedActivityA: 8	ProjectedActivityB: 0	ProjectedActivityC: 0
2021	700	150	0
	ProjectedActivityA: 10	ProjectedActivityB: 200000	ProjectedActivityC: 0
2022	100	0	0
	ProjectedActivityA: 1	ProjectedActivityB: 0	ProjectedActivityC: 0
2023	200	0	0
	ProjectedActivityA: 2	ProjectedActivityB: 0	ProjectedActivityC: 0

Table 4 Storage of Mixed Wastes During 2016

Table 5 Mixed Waste Projections (2017-2023)

Table 6 Waste Shipped Directly to LLRW Disposal Sites During 2016

Table 7 Waste Transferred to LLRW Broker(s) and/or Processor(s) for Treatment and/or Disposal During 2016

Year 2017 Survey Report For All Facilities

Part I - Facility Information

Report Date : 1/8/2018 3:40:00 PM
OWTID : 7036
Category : FC
OrgName : GE HITACHI NUCLEAR ENERGY
FacilityName : MORRIS OPERATION
Address : 7555 EAST COLLINS ROAD MORRIS IL 60450
ContactName : Anthony McFadden
ContactTitle : PLANT MANAGER, MORRIS OPERATIO
ContactPhone : (815) 942-5590
Email : anthony.mcfadden@ge.com
County : GRUNDY
PrincipalOfficer : Anthony McFadden
PrincipalOfficerTitle : PLANT MANAGER, MORRIS OPERATIO
ReportingPerson : Anthony McFadden
ReportingPhone : (815) 942-5590

Part II - On-Site Waste Management

1. Did you dispose of waste through the sanitary drain during 2017?
2. Do you return unit dose syringes or other contaminated material to a radiopharmacy?
3. Did you store LLRW on-site for decay to background during 2017?
4. Did you store any LLRW on-site that was in a form suitable for disposal in 2017 for future disposal?
 - a. Enter the volume of LLRW in storage as of 12/31/2016. 200 cu. ft.
 - b. Enter the volume of LLRW in storage as of 12/31/2017. 210 cu. ft.
5. Did you incinerate LLRW off-site, including scintillation fluids and specific wastes?
6. Did you decontaminate any articles on-site for re-use or waste minimization?
7. Did you replace techniques that use radionuclides with techniques that do not?
8. Do you plan to generate LLRW at anytime during 2018 through 2024 that will require storage for future disposal?
9. Will you need a Tracking System Permit Application to dispose of any LLRW at any time during 2017?
10. If you already have a Tracking System Permit, does it need amending?

Part III - Mixed Waste

1. Are you presently storing mixed wastes?
 - a. Enter the volume of mixed waste in storage during 2017 only. 0 cu. ft.
 - b. Enter the total volume of mixed waste in storage as of 12/31/2017. 0 cu. ft.
2. What testing methods do you use to determine that your LLRW is mixed waste?
What testing methods do you use to determine that your LLRW is mixed waste? If waste constituents are not readily apparent (contaminated lead, etc.), an independent lab is used to verify waste status.
3. Do you plan to produce or possess mixed waste during 2018 through 2024 that will require on-site storage for future treatment or shipment for disposal at some time in the future?
4. Did your facility ship mixed waste for treatment, storage, and/or disposal during 2017?
 - a. List the total volume of mixed waste shipped for treatment, storage, and/or disposal during 2017. 0 cu. ft.

Part IV- Off-Site Waste management

1. Did you ship LLRW directly to a LLRW disposal facility during 2017?
2. Did you transfer LLRW to a waste broker and/or processor for treatment and/or disposal at a LLRW disposal facility during 2017?
3. Enter the total volume of LLRW shipped during 2017. _____ ⁰ cu. ft.
4. Did you have any articles decontaminated off-site for re-use or waste minimization?

Table 1 Waste Stored On-Site for Decay to Background During 2017

Table 2 Waste Stored On-Site During 2017 for Future Disposal

Waste Type	Volume	Activity	Waste Class	Treatment	Radionuclides
39 __ Compactible Trash	160	0.7	A	14 __Standard Compaction	CO-60 CS-137 NI-63
40 __ Noncompactible Trash	50	0.3	A	98 __None	CO-60 CS-137 NI-63

Table 3 LLRW Generation Projections (2018-2024)

Year	ProjectedVolumeA:	ProjectedVolumeB:	ProjectedVolumeC:
2018	300	0	0
	ProjectedActivityA: 2	ProjectedActivityB: 0	ProjectedActivityC 0
2019	350	0	0
	ProjectedActivityA: 3	ProjectedActivityB: 0	ProjectedActivityC 0
2020	400	0	0
	ProjectedActivityA: 4	ProjectedActivityB: 0	ProjectedActivityC 0
2021	500	150	0
	ProjectedActivityA: 6	ProjectedActivityB: 200000	ProjectedActivityC 0
2022	100	0	0
	ProjectedActivityA: 1	ProjectedActivityB: 0	ProjectedActivityC 0
2023	150	0	0
	ProjectedActivityA: 2	ProjectedActivityB: 0	ProjectedActivityC 0
2024	200	0	0
	ProjectedActivityA: 3	ProjectedActivityB: 0	ProjectedActivityC 0

Table 4 Storage of Mixed Wastes During 2017

Table 5 Mixed Waste Projections (2018-2024)

Table 6 Waste Shipped Directly to LLRW Disposal Sites During 2017

Table 7 Waste Transferred to LLRW Broker(s) and/or Processor(s) for Treatment and/or Disposal During 2017

Year 2018 Survey Report For All Facilities

Part I - Facility Information

Report Date : 1/15/2019 2:50:00 PM
OWTID : 7036
Category : FC
OrgName : GE HITACHI NUCLEAR ENERGY
FacilityName : MORRIS OPERATION
Address : 7555 EAST COLLINS ROAD MORRIS IL 60450
ContactName : Anthony McFadden
ContactTitle : PLANT MANAGER, MORRIS OPERATIO
ContactPhone : (815) 942-5590
Email : anthony.mcfadden@ge.com
County : GRUNDY
PrincipalOfficer : Anthony McFadden
PrincipalOfficerTitle : PLANT MANAGER, MORRIS OPERATIO
ReportingPerson : Anthony McFadden
ReportingPhone : (815) 942-5590

Part II - On-Site Waste Management

1. Did you dispose of waste through the sanitary drain during 2018?
2. Do you return unit dose syringes or other contaminated material to a radiopharmacy?
3. Did you store LLRW on-site for decay to background during 2018?
4. Did you store any LLRW on-site that was in a form suitable for disposal in 2018 for future disposal?
 - a. Enter the volume of LLRW in storage as of 12/31/17 210 cu. ft.
 - b. Enter the volume of LLRW in storage as of 12/31/2018 215 cu. ft.
5. Did you incinerate LLRW off-site, including scintillation fluids and specific wastes?
6. Did you decontaminate any articles on-site for re-use or waste minimization?
7. Did you replace techniques that use radionuclides with techniques that do not?
8. Do you plan to generate LLRW at anytime during 2019 through 2025 that will require storage for future disposal?
9. Will you need a Tracking System Permit Application to dispose of any LLRW at any time during 2018?
10. If you already have a Tracking System Permit, does it need amending?

Part III - Mixed Waste

1. Are you presently storing mixed wastes?
 - a. Enter the volume of mixed waste in storage during 2018 only. 0 cu. ft.
 - b. Enter the total volume of mixed waste in storage as of 12/31/2018 0 cu. ft.
2. What testing methods do you use to determine that your LLRW is mixed waste?
What testing methods do you use to determine that your LLRW is mixed waste? If waste constituents are not readily apparent (contaminated lead, etc.), an independent lab is used to verify waste status.
3. Do you plan to produce or possess mixed waste during 2019 through 2025 that will require on-site storage for future treatment or shipment for disposal at some time in the future?
4. Did your facility ship mixed waste for treatment, storage, and/or disposal during 2018?
 - a. List the total volume of mixed waste shipped for treatment, storage, and/or disposal during 2018. 0 cu. ft.

Part IV- Off-Site Waste management

1. Did you ship LLRW directly to a LLRW disposal facility during 2018?
2. Did you transfer LLRW to a waste broker and/or processor for treatment and/or disposal at a LLRW disposal facility during 2020 ?
3. Enter the total volume of LLRW shipped during 2018. _____⁰ cu. ft.
4. Did you have any articles decontaminated off-site for re-use or waste minimization?

Table 1 Waste Stored On-Site for Decay to Background During 2018

Table 2 Waste Stored On-Site During 2018 for Future Disposal

Waste Type	Volume	Activity	Waste Class	Treatment	Radionuclides
39 ___ Compactible Trash	165	0.8	A	14 ___Standard Compaction	CO-60 CS-137 NI-63
40 __ Noncompactible Trash	50	0.3	A	98 __None	CO-60 CS-137 NI-63

Table 3 LLRW Generation Projections (2019 - 2025)

Year	ProjectedVolumeA:	ProjectedVolumeB:	ProjectedVolumeC:
2019	350	150	0
	ProjectedActivityA: 3	ProjectedActivityB: 100000	ProjectedActivityC 0
2020	100	0	0
	ProjectedActivityA: 1	ProjectedActivityB: 0	ProjectedActivityC 0
2021	200	150	0
	ProjectedActivityA: 2	ProjectedActivityB: 200000	ProjectedActivityC 0
2022	100	0	0
	ProjectedActivityA: 1	ProjectedActivityB: 0	ProjectedActivityC 0
2023	150	0	0
	ProjectedActivityA: 2	ProjectedActivityB: 0	ProjectedActivityC 0
2024	200	0	0
	ProjectedActivityA: 3	ProjectedActivityB: 0	ProjectedActivityC 0
2025	250	0	0
	ProjectedActivityA: 4	ProjectedActivityB: 0	ProjectedActivityC 0

Table 4 Storage of Mixed Wastes During 2018

Table 5 Mixed Waste Projections (2019 - 2025)

Table 6 Waste Shipped Directly to LLRW Disposal Sites During 2018

Table 7 Waste Transferred to LLRW Broker(s) and/or Processor(s) for Treatment and/or Disposal During 2018



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Select Year: 2019 ▼

Part I - Facility Information

Report Year: 2019

LLRW Registration Number: OWT-7036

Name of Organization: GE HITACHI NUCLEAR ENERGY

Name of Facility: MORRIS OPERATION

Street Address: 7555 EAST COLLINS ROAD

City: MORRIS

State: IL

Zip Code: 60450

Contact Person: Anthony McFadden

Email Address: anthony.mcfadden@ge.com

Title: PLANT MANAGER, MORRIS OPERATION

Phone Number: (815) 942-5590

County: GRUNDY

Principal Officer: Anthony McFadden

Principal Officer Email: anthony.mcfadden@ge.com

Title: PLANT MANAGER, MORRIS OPERATION

Name of person completing report: Anthony McFadden

Phone Number: (815) 942-5590

Radioactive Materials License #:

Part II - On-Site Waste Management

1. Did you dispose of waste through the sanitary drain during 2019? No
 - i. Did you only dispose of waste through the sanitary drain?

2. Do you return unit dose syringes or other contaminated material to a radiopharmacy? No
 - i. Were these unit dose syringes or contaminated material decayed to background before being returned?

3. Did you store LLRW on-site for decay to background during 2019? No
 - i. Did you only store waste for decay to background levels?

4. Did you store any other LLRW on-site that was in a form suitable for disposal in 2019 for future disposal? Yes
 - a. Enter the volume of LLRW in storage as of 12/31/2018. 215 cu. ft.
 - b. Enter the volume of LLRW in storage as of 12/31/2019. 337 cu. ft.

5. Did you incinerate LLRW off-site, including scintillation fluids and specific wastes? No

6. Did you decontaminate any articles on-site for re-use or waste minimization? Yes

On-site decontamination consists of: 1) Laundering contaminated clothing 2) Wiping/cleaning contaminated tools

7. Did you replace techniques that use radionuclides with techniques that do not? No

8. Do you plan to generate LLRW at anytime during 2020 through 2026 that will require storage for future disposal? Yes

9. Will you need a Tracking System Permit Application to dispose of any LLRW at any time during 2020? No

10. If you already have a Tracking System Permit, does it need amending? No

Part III - Mixed Waste

1. Are you presently storing mixed wastes? No
 - a. Enter the volume of mixed waste in storage during 2019 only.
 - b. Enter the total volume of mixed waste in storage as of 12/31/2019.
2. What testing methods do you use to determine that your LLRW is mixed waste?
If waste constituents are not readily apparent (contaminated lead, etc.), an independent lab is used to verify waste status.
3. Do you plan to produce or possess mixed waste during 2020 through 2026 that will require on-site storage for future treatment or shipment for disposal at some time in the future? No
4. Did your facility ship mixed waste for treatment, storage, and/or disposal during 2019? No
 - a. List the total volume of mixed waste shipped for treatment, storage, and/or disposal during 2019.

Part IV - Off-Site Waste Management

1. Did you ship LLRW directly to a LLRW disposal facility during 2019? Yes
2. Did you transfer LLRW to a waste broker and/or processor for treatment and/or disposal at a LLRW disposal facility during 2019? No
3. Enter the total volume of LLRW shipped during 2019. 195 cu. ft.
4. Did you have any articles decontaminated off-site for re-use or waste minimization? No

**Table 2
Waste Stored On-Site During 2019 for Future Disposal**

Waste Type	Volume	Activity	Waste Class	Treatment	Radionuclides
39 - Compactible Trash	186	0.005	A	14 - Standard Compaction	CO-60,CS-137,NI-63
40 - Noncompactible Trash	151	0.003	A	98 - None	NI-63,CS-137,CO-60
Total Volume:	337				

**Table 3
LLRW Generation Projections (2020-2026)**

Year	Class A Volume	Class A Activity	Class B Volume	Class B Activity	Class C Volume	Class C Activity
2020	100	1	0	0	0	0
2021	200	2	150	200000	0	0
2022	100	1	0	0	0	0
2023	150	1.5	0	0	0	0
2024	200	2	0	0	0	0
2025	250	2	0	0	0	0
2026	300	2.5	0	0	0	0

**Table 6
Waste Shipped Directly to LLRW Disposal Sites During 2019**

Nuclide Inventory			Waste Description/Trasferred Volume			
Site	Nuclide	Activity	Site	Class	Type	Volume
UT	Am-241	0.00616	UT	A	40 - Noncompactible Trash	195
UT	C-14	0.00104			Total:	195

UT	Cm-242	1.77E-05
UT	Cm-243	0.000412
UT	Cm-244	0.000412
UT	Co-60	271
UT	Cs-137	793
UT	Fe-55	0.0508
UT	H-3	1.49E-05
UT	I-125	0.000487
UT	I-129	7.56E-07
UT	Ni-59	0.121
UT	Ni-63	133
UT	Pu-238	0.000541
UT	Pu-239	0.000714
UT	Pu-241	0.0141
UT	Sr-89	0.00446
UT	Sr-90	0.0332
UT	Tc-99	0.0353
UT	Th-234	0.000963
UT	U-234	0.0122
UT	U-235	0.0011
UT	U-238	0.0133
	Total:	1197.296222356

Survey Report For All Facilities in Year 2020

Part I - Facility Information

Report Date : 1/20/2021 12:41:00 PM

OWTID : 7036

IL License :

Category : FC

OrgName : GE HITACHI NUCLEAR ENERGY

Facility Name : MORRIS OPERATION

Address : 7555 EAST COLLINS ROAD MORRIS IL 60450

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Contact Title : PLANT MANAGER, MORRIS OPERATION

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Email : anthony.mcfadden@ge.com

County : GRUNDY

Principal Officer: Anthony McFadden

Principal Officer Title: PLANT MANAGER, MORRIS OPERATION

Reporting Person: Anthony McFadden

Reporting Phone: (815) 942-5590

Part II - Site Waste Management

1. Did you dispose of waste through the sanitary drain during 2020 ? **No**
2. Do you return unit dose syringes or other contaminated material to a radiopharmacy? **No**
3. Did you store LLRW on-site for decay to background during 2020 ? **No**
4. Did you store any LLRW on-site that was in a form suitable for disposal in 2020 for future disposal? **Yes**
 - a. Enter the volume of LLRW in storage as of 12/31/2019 337 cu. ft
 - b. Enter the volume of LLRW in storage as of 12/31/2020 345 cu. ft
5. Did you incinerate LLRW off-site, including scintillation fluids and specific wastes? **No**
6. Did you decontaminate any articles on-site for re-use or waste minimization? **Yes**
7. Did you replace techniques that use radionuclides with techniques that do not? **No**
8. Do you plan to generate LLRW at anytime during 2021 through 2027 that will require storage for future disposal? **Yes**
9. Will you need a Tracking System Permit Application to dispose of any LLRW at any time during 2021 ? **No**
10. If you already have a Tracking System Permit, does it need amending? **No**

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Survey Report For All Facilities in Year 2020

Part III - Mixed Waste

1. Are you presently storing mixed wastes? **No**
 - a. Enter the volume of mixed waste in storage during 2020 only. 0 cu. ft
 - b. Enter the total volume of mixed waste in storage as of 12/31/2020 . 0 cu. ft
2. What testing methods do you use to determine that your LLRW is mixed waste?
 What testing methods do you use to determine that your LLRW is mixed waste?
 If waste constituents are not readily apparent (contaminated lead, etc.), an independent lab is used to verify waste status.
3. Do you plan to produce or possess mixed waste during 2021 through 2027 that will require on-site storage for future treatment or shipment for disposal at some time in the future? **No**
4. Did your facility ship mixed waste for treatment, storage, and/or disposal during 2020 . **No**
 - a. List the total volume of mixed waste shipped for treatment, storage, and/or disposal during 2020 0 cu. ft

Part IV - Off-Site Waste Management

1. Did you ship LLRW directly to a LLRW disposal facility during 2020 ? **No**
2. Did you transfer LLRW to a waste broker and/or processor for treatment and/or disposal at a LLRW disposal facility during 2020 ? **No**
3. Enter the total volume of LLRW shipped during 2020 . 0 cu. ft
4. Did you have any articles decontaminated off-site for re-use or waste minimization? **No**

Table 1 Waste Stored On-Site for Decay to Background During 2020

Table 2 Waste Stored On-Site During 2020 for Future Disposal

Volume	Activity Class	Treatment Code	Nuclide	Waste Type	WTDesc	Method
1035	0.002127					
194	0.000452	A	14	CO-60	39 Compactible Trash	Standard Compaction
194	0.000452	A	14	CS-137	39 Compactible Trash	Standard Compaction
194	0.000452	A	14	NI-63	39 Compactible Trash	Standard Compaction

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Volume	Activity	Class	Treatment Code	Nuclide	Waste Type	WTDesc	Method
151	0.000257	A	98	CO-60	40	Noncompactible Trash	None
151	0.000257	A	98	CS-137	40	Noncompactible Trash	None
151	0.000257	A	98	NI-63	40	Noncompactible Trash	None

Table 3 LLRW Generation Projections 2021 -- 2027

Year	Projected Volume A	Projected Activity A	Projected Volume B	Projected Activity B	Projected Volume C	Projected Activity C
	1300	12	150	200000	0	0
2021	100	1	0	0	0	0
	100	1	0	0	0	0
2022	200	2	150	200000	0	0
	200	2	150	200000	0	0
2023	100	1	0	0	0	0
	100	1	0	0	0	0
2024	150	1.5	0	0	0	0
	150	1.5	0	0	0	0
2025	200	2	0	0	0	0
	200	2	0	0	0	0
2026	250	2	0	0	0	0
	250	2	0	0	0	0
2027	300	2.5	0	0	0	0
	300	2.5	0	0	0	0

Table 4 Storage of Mixed Wastes During 2020

Table 5 Mixed Waste Projections 2021 -- 2027

Table 6 Waste Shipped Directly to LLRW Disposal Sites During 2020

Table 7 Waste Transferred to LLRW Broker(s) and/or Processor(s) for Treatment and/or Disposal During 2020