

Mr Jonathan Evans Low Level Waste Service Manager LLW Repository Ltd Allerdale Court Greengarth Holmrook **UK EPR Project Front Office**

c/o EDF Energy 1 Bedford Street London WC2E 9HG

Fax. +44 (0) 207 759 6270 Tel. +44(0) 207 759 6035 GDAproject.frontoffice@epr-reactor.co.uk

23rd October 2008

Unique No: LLWR EPR0001.

Your Ref: -.

Cumbria

CA19 1UL

Dear Jonathan,

UK EPR LLWR Disposability Assessment – Preliminary D1 Form Information

Further to our meeting on 8th July, I am pleased to enclose completed D1 datasheets on the UK EPR operational low level wastes and request that LLW Repository Ltd. initiate a disposability assessment based on the information provided.

We look forward to discussing your initial thoughts and feedback. We would be pleased to arrange a meeting on 10th November 2008 to take this forward. In the meantime please do not hesitate to get in touch if you have any queries.

Yours sincerely

Stephen Walts

pp Catherine Back

UK EPR GDA EDF Project Manager A Joint Project of AREVA and EDF and Christopher Wooldridge

UK EPR GDA AREVA Project Manager A Joint Project of AREVA and EDF

AREVA NP

An AREVA and Siemens company

Headquarters: Tour AREVA - 92084 Paris La Défense cedex - France

Phone: +33 (0)1 34 96 60 00 - Fax: +33 (0)1 34 96 81 87

SOCIETE PAR ACTIONS SIMPLIFIEE AU CAPITAL DE 400 000 100 EUR - 428 764 500 RCS Nanterre - TVA FR 83 428 764 500

EDF SA

CNEN 165-173, avenue Pierre Brossolette B.P. 900-92542 Montrouge Cedex France Phone: +33 (0)1 41 48 90 00 - Fax: +33 (0)1 41 48 92 84



cc: Martin Walkinshaw (LLWR), Catherine Back, Christopher Wooldridge, Philippe Chaumin, Bernard Vidal, Keith Ardron, Gary Craig, Sarah Greenwood



Introduction

This form is to be completed by customers seeking to dispose of radioactive waste to the Low Level Waste Repository to request agreement in principle prior to disposal of waste. The information required relates to the owner, usually a company, having title to the waste for disposal, except where stated. Please answer each question as fully as possible. If there are insufficient lines in any of the tables, please enter details on a separate sheet and indicate on the appropriate table that you have done so. (*denotes select from drop down menu).

If you need any assistance or have any questions regarding completion of this form, please contact the Low Level Waste Customer Team, by telephone: (01946) 722252 or by e-mail: customerteam@llwrsite.com

Please return the completed and signed form by post to: Low Level Waste Customer Team, Low Level Waste Repository Limited, Allerdale Court, Greengarth, Holmrook, Cumbria, CA19 1UL, by fax to: (01946) 722260 or by e-mail to: customerteam@llwrsite.com
Customer Details
1. Name of Waste Owner:
Operator specific data. Not available at this time.
2. Address of Company Office:
Operator specific data. Not available at this time.
3. Address of premises where the waste was / is to be generated: Site specific data. Information not available at this time.
4. Address of premises where the waste is accumulated and from which it will be disposed: Site specific data. Information not available at this time.
5. Job title of Head of premises named in (4):
Site specific data. Information not available at this time.
6. Name, job title, company address, telephone number and e-mail address of the day-to-day contact for this waste: Bertrand LANTES, specialist in waste management EDF / DPN / UTO 6, avenue Montaigne 93192 Noisy le Grand, cedex FRANCE
7. Will the person named in (6) be considered competent and able to secure compliance with the

limitations and conditions to be specified in the relevant Radioactive Substances Act Authorisation

and by LLW Repository Ltd in their Conditions for Acceptance?

Cu	stomer Details (continued)	
8.	If the answer at (7) is "No", please provide the name, job title, company name, company address, te number, and e-mail address of the person who will be considered competent:	lephone
9.	If persons other than the owner of the waste will handle the waste and be responsible for the dispos provide their name, job title, company name, company address, telephone number and e-mail address.	
Nat	ture of the Waste	
Orioux Recope Phypolimix Raccor 580 997 am Tox Tre	Describe the nature of the process giving rise to the radioactive waste and the type of radioactive waste the physical and chemical form of the radioactive waste and the nature of the radioactive contagin of the Radioactive Waste: Ion exchange resins will be used to purify the water in the water auxiliance. The water auxiliance is consist of: The Chemical and Volumetric Control System (CVCS), cycle System (BRS), Liquid Waste Treatment System (LWTS), and Spent Fuel Pit Treatment System the ion exchange resins will become contaminated with radionuclides. It is consisted by the Raw Waste: Made of balls or grains (diameter ranges 0.3 - 1.2mm) of organic respectation the ion exchange resins will become contaminated with radionuclides. It is strongly acid, anionic resins strongly acid, anionic resins extended by the Raw Waste density is a grain (diameter ranges 0.3 - 1.2mm) of organic respectation, phenolic, acrylic or formophenolic skeleton (cationic resins strongly acid, anionic resins acid acid strongly acid, anionic resins strongly acid, anionic resins strongly acid, anionic resins strongly acid, anio	aminant. ry circuits of the The Boron (FPTS). During ins with angly basic and recruit 3H, 60Co, Mo, 93Zr, 94Nb, present in trace 0.5 ppm
	Are you willing to provide the necessary Quality Assurance documentation, including a relevant wastestream characterisation, for the waste to be consigned and for your operations involving the generation and subsequent handling of waste for disposal to be audited by LLW Repository Ltd as required by the Conditions for Acceptance?	Yes *
12.	Do you confirm that the waste will comply in all respects with the Conditions for Acceptance, including that it excludes wastes which with reasonable practicable means could be disposed of to a domestic landfill or as special precautions disposal?	Yes *
13.	Will Hazardous Wastes, as defined in the Hazardous Waste Regulations, be included within any consignment?	Yes*
14	For wastestreams containing uranium, plutonium or thorium, has this arisen from a process or	Yes *

from material which is subject to EURATOM safeguards?

or that they will be reported as a Measured Discard.

If "Yes", please confirm that either the amounts of these elements are below reportable levels,

Below Reportable *

15. For each year in which it is intended to consign waste for disposal, set out below the details of the waste, giving as accurate an estimate as possible of the weight, volume and radioactive content expressed in megabecquerels.

Calendar Year		Normal Vol & Act	Max Vol & Act	Future Years
Weight (kg)	Raw waste, every 4 years	1.2E+04	2.4E+04	
Volume (m³)	Raw waste, every 4 years	1.2E+01	2.4E+01	
Uranium (MBq)		No	No	
Radium-226 (MBq)	***************************************	No	No	
Thorium-232 (MBq)		No	No	
Other alpha emitters (MBq) ¹		1.54	3.08	
Carbon-14 (MBq)		6.29E+02	1.26E+03	
lodine-129 (MBq)		2.46E-02	4.92E-02	
Tritium (MBq)	Y	1.09E+03	2.17E+03	
Cobalt-60 (MBq)	2011	3.5E+04	2.15E+05	
Other radionuclides (MBq) ²	58Co excepted	1.07E+05	2.88E+05	

Notes:

- "Other alpha emitters" means alpha-emitting radionuclides with half-lives greater than three months excluding uranium, radium-226 and thorium-232
- 2. "Other radionuclides" means iron-55 and beta-emitting radionuclides with half-lives greater than three months³ unless individually specified in this Table (i.e. excluding Carbon-14, Iodine-129, Cobalt-60 and Tritium)
- 3. The activity of decay products with half lives of three months or less should be included only if they are present in amounts exceeding those which could be present through radioactive decay of the accounted radionuclides. Decay products are defined as those radionuclides succeeding another radionuclide in the radioactive series in which both, or all, occur.

Customer Declaration				
I declare that the information provided is	true and complete to the best of my knowledge.			
Name: (Please Print)	Company:			
Signature:	Date:			
FOR LLW REPOSITORY LTD USE ONL	.Y			
Received on:	Form D1 Reference Number:			
Response required by:	Status:			



	Repository
FO	R LLW REPOSITORY LTD USE ONLY
То	:
Ad	dress:
	rther to your recent request for Agreement in Principle to dispose of radioactive waste at the Low Level Waste pository, I can confim on behalf of LLW Repository Ltd that:
1.	LLW Repository Ltd agrees in principle to accept the waste as described in your request.
	Note: Any agreement is subject to a valid Certificate of Authorisation for disposal being issued to you from the Environment Agency and sufficient volumetric and radiological capacity being available under the Certificate of Authorisation for disposal at the Low Level Waste Repository. Allocation of volumetric and radiological capacity and disposal of the waste will be subject to your acceptance of a disposal contract with LLW Repository Ltd.
2.	LLW Repository Ltd does not agree in principle to accept the waste as described in your request for the following reasons:
Le	ou would like any further clarification on this decision or require any additional information, please contact the Low vel Waste Service Manager, through the Low Level Waste Customer Team, by telephone: (01946) 724834 or by e-il: customerteam@llwrsite.com.
Au	thorisation by LLW Repository Ltd
Na	me: (Please Print) Position:

Date:



Introduction

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Customer Details
1. Name of Waste Owner:
Operator specific data. Not available at this time.
2. Address of Company Office:
Operator specific data. Not available at this time.
3. Address of premises where the waste was / is to be generated: Site specific data. Information not available at this time.
4. Address of premises where the waste is accumulated and from which it will be disposed: Site specific data. Information not available at this time.
5. Job title of Head of premises named in (4):
Site specific data. Information not available at this time.
6. Name, job title, company address, telephone number and e-mail address of the day-to-day contact for this waste: Bertrand LANTES, specialist in waste management EDF / DPN / UTO 6, avenue Montaigne 93192 Noisy le Grand, cedex FRANCE
7. Will the person named in (6) be considered competent and able to secure compliance with the

limitations and conditions to be specified in the relevant Radioactive Substances Act Authorisation

and by LLW Repository Ltd in their Conditions for Acceptance?

Cu	stomer Details (continued)
8.	If the answer at (7) is "No", please provide the name, job title, company name, company address, telephone number, and e-mail address of the person who will be considered competent:
9.	If persons other than the owner of the waste will handle the waste and be responsible for the disposal please provide their name, job title, company name, company address, telephone number and e-mail address:
Na	ture of the Waste
Ori Blo Phy phe Sul Ra 137 126 Ch- Fe, Ch- no Tre und	Describe the nature of the process giving rise to the radioactive waste and the type of radioactive waste generated. State the physical and chemical form of the radioactive waste and the nature of the radioactive contaminant. Igin of the waste: Ion exchange resins will be used to purify the water recycled through the Steam Generator prodown System. Very low active Ion exchangers resins will be produced as a result. Sysical nature of raw waste: Made of balls or grains (diameter ranges 0.3 - 1.2mm) of organic resins with polystyrenic, enolic, acrylic or formophenolic skeleton (cationic resins strongly acid, anionic resins strongly basic and mixed bed). Popiers: PUROLITE, DOWEX, ROHM&HAAS. Density of raw waste = 1g/cc. dioactive contaminants: Activation products and fission products, beta and beta/gamma emitters (60Co,134Cs, 7Cs, 10Be, 14C, 36Cl, 41Ca, 55Fe, 59Ni, 63Ni, 79Se, 90Sr, 93Mo, 93Zr, 94Nb, 99Tc, 107Pd, 108mAg, 121mSn, 6Sn, 129I, 135Cs, 151Sm). emical (raw waste): ammonium (390 to 19,600 ppm), morpholinium (0 to 20,300 ppm), hydrazinium (0 to 5,870 ppm), Co, Ni, Cr, Na, Zn, Cu, Ca, Cl, SO4, SiO2. emical toxics (raw waste): Pb: 22 ppm
11.	Are you willing to provide the necessary Quality Assurance documentation, including a relevant wastestream characterisation, for the waste to be consigned and for your operations involving the generation and subsequent handling of waste for disposal to be audited by LLW Repository Ltd as required by the Conditions for Acceptance?

11. Are you willing to provide the necessary Quality Assurance documentation, including a relevant wastestream characterisation, for the waste to be consigned and for your operations involving the generation and subsequent handling of waste for disposal to be audited by LLW Repository Ltd as required by the Conditions for Acceptance?
12. Do you confirm that the waste will comply in all respects with the Conditions for Acceptance, including that it excludes wastes which with reasonable practicable means could be disposed of to a domestic landfill or as special precautions disposal?
13. Will Hazardous Wastes, as defined in the Hazardous Waste Regulations, be included within any consignment?
14. For wastestreams containing uranium, plutonium or thorium, has this arisen from a process or from material which is subject to EURATOM safeguards?

If "Yes", please confirm that either the amounts of these elements are below reportable levels, Below Reportable * or that they will be reported as a Measured Discard.

15. For each year in which it is intended to consign waste for disposal, set out below the details of the waste, giving as accurate an estimate as possible of the weight, volume and radioactive content expressed in megabecquerels.

Calendar Year		Normal Vol & Act	Max Vol & Act	Future Years
Weight (kg)	Per year	7.5E+03	15E+03	
Volume (m ³)	Per year	7.5E+00	15E+00	
Uranium (MBq)		No No	No	William Control of the Control of th
Radium-226 (MBq)		No	No	
Thorium-232 (MBq)		No	No	
Other alpha emitters (MBq) ¹				
Carbon-14 (MBq)		4.36E-01	7.29E+00	
lodine-129 (MBq)		2.58E-04	4.32E-03	
Tritium (MBq)				
Cobalt-60 (MBq)		2.42E+01	4.05E+02	
Other radionuclides (MBq) ²		4.18E+02	6.98E+03	

Notes:

- 1. "Other alpha emitters" means alpha-emitting radionuclides with half-lives greater than three months excluding uranium, radium-226 and thorium-232
- 2. "Other radionuclides" means iron-55 and beta-emitting radionuclides with half-lives greater than three months³ unless individually specified in this Table (i.e. excluding Carbon-14, Iodine-129, Cobalt-60 and Tritium)
- 3. The activity of decay products with half lives of three months or less should be included only if they are present in amounts exceeding those which could be present through radioactive decay of the accounted radionuclides. Decay products are defined as those radionuclides succeeding another radionuclide in the radioactive series in which both, or all, occur.

Customer Declaration

Customer Declaration			
I declare that the information provided is t	rue and complete to the best of my knowledge.		
Name: (Please Print)	Company:		
Signature:	Date:		
FOR LLW REPOSITORY LTD USE ONL	Y		
Received on:	Form D1 Reference Number:		
Response required by:	Status:		



	Repository
FO	R LLW REPOSITORY LTD USE ONLY
То	:
Ad	dress:
	rther to your recent request for Agreement in Principle to dispose of radioactive waste at the Low Level Waste pository, I can confim on behalf of LLW Repository Ltd that:
1.	LLW Repository Ltd agrees in principle to accept the waste as described in your request.
	Note: Any agreement is subject to a valid Certificate of Authorisation for disposal being issued to you from the Environment Agency and sufficient volumetric and radiological capacity being available under the Certificate of Authorisation for disposal at the Low Level Waste Repository. Allocation of volumetric and radiological capacity and disposal of the waste will be subject to your acceptance of a disposal contract with LLW Repository Ltd.
2.	LLW Repository Ltd does not agree in principle to accept the waste as described in your request for the following reasons:
Le	ou would like any further clarification on this decision or require any additional information, please contact the Low vel Waste Service Manager, through the Low Level Waste Customer Team, by telephone: (01946) 724834 or by e-il: customerteam@llwrsite.com.
Au	thorisation by LLW Repository Ltd
Na	me: (Please Print) Position:

Date:



Introduction

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Customer Details
1. Name of Waste Owner:
Operator specific data. Not available at this time.
2. Address of Company Office:
Operator specific data. Not available at this time.
3. Address of premises where the waste was / is to be generated: Site specific data. Information not available at this time.
4. Address of premises where the waste is accumulated and from which it will be disposed: Site specific data. Information not available at this time.
5. Job title of Head of premises named in (4):
Site specific data. Information not available at this time.
6. Name, job title, company address, telephone number and e-mail address of the day-to-day contact for this waste: Bertrand LANTES, specialist in waste management EDF / DPN / UTO 6, avenue Montaigne 93192 Noisy le Grand, cedex FRANCE
7. Will the person named in (6) be considered competent and able to secure compliance with the

limitations and conditions to be specified in the relevant Radioactive Substances Act Authorisation

and by LLW Repository Ltd in their Conditions for Acceptance?

Customer Details (continued)

8.	If the answer at (7) is "No", please provide the name, job title, company name, company address, telephone
	number, and e-mail address of the person who will be considered competent:

9. If persons other than the owner of the waste will handle the waste and be responsible for the disposal please provide their name, job title, company name, company address, telephone number and e-mail address:

Nature of the Waste

10. Describe the nature of the process giving rise to the radioactive waste and the type of radioactive waste generated. State the physical and chemical form of the radioactive waste and the nature of the radioactive contaminant.

Origin of Waste: Active spent filter cartridges (> 2 mSv h-1) arise from the purification treatment lines of water auxiliary circuits: Chemical and Volumetric Control System (CVCS), Boron Recycle System (BRS), Liquid Waste Treatment System (LWTS), Spent Fuel Pit Treatment System (FPTS).

Waste Physical Characteristics: Cartridges are composed principally of stainless style supports with glass fibre filter and some organic materials. The amount of particulate radioactive material (metallic oxides) trapped on each filter can variable. Density of raw waste is 0.3 g/cc.

Nature of contamination: Activation products and fission products, beta and beta/gamma emitters (60Co, 58Co, 54Mn, 65Zn, 110mAg, 137Cs, 10Be, 14C, 36Cl, 41Ca, 55Fe, 59Ni, 63Ni, 79Se, 90Sr, 93Mo, 93Zr, 94Nb, 99Tc, 107Pd, 108mAg, 121mSn, 126Sn, 129I, 135Cs, 151Sm). Only trace levels of alpha emitter are expected to be present. Chemical characteristics of raw waste: Fe, Co, Ni, Cr, organics, cellulose...(Cl: 489 ppm, SO4: 178 ppm) Toxic chemicals present in raw waste: B: 6,000 ppm Pb: 425 ppm Cr tot: 240 ppm Ni: 210 ppm As, Sb, Hg: 5 ppm Be,Se: 0,2 ppm Cd: 11 ppm. No complexing agents or reactive metals will be present.

Treatment: Spent cartridges will be directly encapsulated into drums using a cementitious matrix. There will be no free water. Waste will be consigned as non-compactable 200 litre drums transported in ISO containers for the grouting and disposal service. SO disposal containers for grouting and disposal service. Mass of a drum: 340 kg (drum: 17 kg, cement: 286 kg, filters: 37 kg).

wastestream characteristhe generation and subs	le the necessary Quality Assurance documentation, including a relevant sation, for the waste to be consigned and for your operations involving sequent handling of waste for disposal to be audited by LLW Repository Conditions for Acceptance?	Yes *
including that it exclude	waste will comply in all respects with the Conditions for Acceptance, s wastes which with reasonable practicable means could be disposed of as special precautions disposal?	Yes *
3. Will Hazardous Wastes consignment?	, as defined in the Hazardous Waste Regulations, be included within any	Yes *
14. For wastestreams conta	aining uranium, plutonium or thorium, has this arisen from a process or	Yes *

14. For wastestreams containing uranium, plutonium or thorium, has this arisen from a process or from material which is subject to EURATOM safeguards?

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If "Yes", please confirm that either the amounts of these elements are below reportable levels, Below Reportable * or that they will be reported as a Measured Discard.

15. For each year in which it is intended to consign waste for disposal, set out below the details of the waste, giving as accurate an estimate as possible of the weight, volume and radioactive content expressed in megabecquerels.

Calendar Year		Normal Vol & Act	Max Vol & Act	Future Years
Weight (kg)	Raw waste	1.79E+03	2.69E+03	
Volume (m ³)	Raw waste	5E+00	7,5E+00	
Uranium (MBq)		No	No	
Radium-226 (MBq)		No	No	
Thorium-232 (MBq)		No	No	
Other alpha emitters (MBq) ¹		7.53E-01	1.13E+00	
Carbon-14 (MBq)		5.5E+01	8.27E+01	
lodine-129 (MBq)		2.17E-04	3.27E-04	
Tritium (MBq)		No	No	
Cobalt-60 (MBq)		1.64E+04	7.52E+03	
Other radionuclides (MBq) ²	58Co excepted	9.00E+04	3.23E+04	

Notes:

- 1. "Other alpha emitters" means alpha-emitting radionuclides with half-lives greater than three months excluding uranium, radium-226 and thorium-232
- 2. "Other radionuclides" means iron-55 and beta-emitting radionuclides with half-lives greater than three months³ unless individually specified in this Table (i.e. excluding Carbon-14, Iodine-129, Cobalt-60 and Tritium)
- 3. The activity of decay products with half lives of three months or less should be included only if they are present in amounts exceeding those which could be present through radioactive decay of the accounted radionuclides. Decay products are defined as those radionuclides succeeding another radionuclide in the radioactive series in which both, or all, occur.

Customer Declaration

Customer Declaration					
I declare that the information provided is true and complete to the best of my knowledge.					
Name: (Please Print)	Company:				
Signature:	Date:				
FOR LLW REPOSITORY LTD USE ONLY					
Received on:	Form D1 Reference Number:				
Response required by:	Status:				



	Repository
FO	R LLW REPOSITORY LTD USE ONLY
То	:
Ad	dress:
	rther to your recent request for Agreement in Principle to dispose of radioactive waste at the Low Level Waste pository, I can confim on behalf of LLW Repository Ltd that:
1.	LLW Repository Ltd agrees in principle to accept the waste as described in your request.
	Note: Any agreement is subject to a valid Certificate of Authorisation for disposal being issued to you from the Environment Agency and sufficient volumetric and radiological capacity being available under the Certificate of Authorisation for disposal at the Low Level Waste Repository. Allocation of volumetric and radiological capacity and disposal of the waste will be subject to your acceptance of a disposal contract with LLW Repository Ltd.
2.	LLW Repository Ltd does not agree in principle to accept the waste as described in your request for the following reasons:
Le	ou would like any further clarification on this decision or require any additional information, please contact the Low vel Waste Service Manager, through the Low Level Waste Customer Team, by telephone: (01946) 724834 or by e-il: customerteam@llwrsite.com.
Au	thorisation by LLW Repository Ltd
Na	me: (Please Print) Position:

Date:



Introduction

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Customer Details				
1. Name of Waste Owner:				
Operator specific data. Not available at this time.				
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5. Job title of Head of premises named in (4):				
6. Name, job title, company address, telephone number and e-mail address of the day-to-day contact for this waste: Bertrand LANTES, specialist in waste management EDF / DPN / UTO 6, avenue Montaigne 93192 Noisy le Grand, cedex FRANCE				

7. Will the person named in (6) be considered competent and able to secure compliance with the

and by LLW Repository Ltd in their Conditions for Acceptance?

limitations and conditions to be specified in the relevant Radioactive Substances Act Authorisation

Yes *

Customer Details (continued)

- 8. If the answer at (7) is "No", please provide the name, job title, company name, company address, telephone number, and e-mail address of the person who will be considered competent:
- 9. If persons other than the owner of the waste will handle the waste and be responsible for the disposal please provide their name, job title, company name, company address, telephone number and e-mail address:

Nature of the Waste

10. Describe the nature of the process giving rise to the radioactive waste and the type of radioactive waste generated. State the physical and chemical form of the radioactive waste and the nature of the radioactive contaminant.

Origin of the waste: Air filters and water filters (< 2 mSv/h) arising mainly from the Gaseous Treatment System (GTS), Liquid Waste Treatment System (LWTS), Steam Generator Blowdown System (SGBS).

Waste physical characteristics: Cartridges are composed principally of stainless style supports with glass fibre filter and some organic materials. The amount of particulate radioactive material (metallic oxides) trapped on each filter may be variable. Density of raw waste is 0.4.

Nature of contamination: Activation products and fission products, beta and beta/gamma emitters (60Co, 58Co, 54Mn, 65Zn, 110mAg, 137Cs, 10Be, 14C, 36Cl, 41Ca, 55Fe, 59Ni, 63Ni, 79Se, 90Sr, 93Mo, 93Zr, 94Nb, 99Tc, 107Pd, 108mAg, 121mSn, 126Sn, 129I, 135Cs, 151Sm). Only trace amounts of alpha emitters are expected. Chemical characterisitics of raw waste: Fe, Co, Ni, Cr, organics, cellulose...(Cl: 248 ppm, SO4: 680 ppm) Toxic chemcials: B: 8,150 ppm Pb: 904 ppm Cr tot: 333 ppm Ni: 291 ppm As, Sb, Hg: 7 ppm Be: 0,3 ppm Se: 3 ppm Cd: 15 ppm CN-: 0.12 ppm (max [air filter/water filter] considered). No complexing agents or reactive metals will be present.

Treatment: The filters will be dismantled, shredded and dried.

from material which is subject to EURATOM safeguards?

or that they will be reported as a Measured Discard.

Packaging: 200 L metallic drums sent directly to the high force compaction at WAMAC. Mass of a drum: 125 kg (drum: 17 kg, filters: 108 kg)

11.	Are you willing to provide the necessary Quality Assurance documentation, including a relevant wastestream characterisation, for the waste to be consigned and for your operations involving the generation and subsequent handling of waste for disposal to be audited by LLW Repository Ltd as required by the Conditions for Acceptance?	Yes *
12.	Do you confirm that the waste will comply in all respects with the Conditions for Acceptance, including that it excludes wastes which with reasonable practicable means could be disposed of to a domestic landfill or as special precautions disposal?	Yes *
13.	Will Hazardous Wastes, as defined in the Hazardous Waste Regulations, be included within any consignment?	Yes *
14.	For wastestreams containing uranium, plutonium or thorium, has this arisen from a process or	Yes *

If "Yes", please confirm that either the amounts of these elements are below reportable levels,

Below Reportable *

15. For each year in which it is intended to consign waste for disposal, set out below the details of the waste, giving as accurate an estimate as possible of the weight, volume and radioactive content expressed in megabecquerels.

Calendar Year		Normal Vol & Act	Max Vol & Act	Future Years
Weight (kg)	raw waste	1.6E+03	2.4E+03	
Volume (m³)	raw waste	4E+00	6E+00	
Uranium (MBq)		No	No	
Radium-226 (MBq)		No	No	
Thorium-232 (MBq)		No	No	
Other alpha emitters (MBq) ¹		3.54E-02	7.53E-01	
Carbon-14 (MBq)		2.6E+00	5.52E+01	
lodine-129 (MBq)		1.03E-05	2.18E-04	
Tritium (MBq)		No	No	
Cobalt-60 (MBq)		2.36E+02	5.02E+03	
Other radionuclides (MBq) ²	58Co excepted	7.77E+02	1.65E+04	

- 1. "Other alpha emitters" means alpha-emitting radionuclides with half-lives greater than three months excluding uranium, radium-226 and thorium-232
- 2. "Other radionuclides" means iron-55 and beta-emitting radionuclides with half-lives greater than three months³ unless individually specified in this Table (i.e. excluding Carbon-14, Iodine-129, Cobalt-60 and Tritium)
- 3. The activity of decay products with half lives of three months or less should be included only if they are present in amounts exceeding those which could be present through radioactive decay of the accounted radionuclides. Decay products are defined as those radionuclides succeeding another radionuclide in the radioactive series in which both, or all, occur.

Customer Declaration					
I declare that the information provided is tr	rue and complete to the best of my knowledge.				
Name: (Please Print)	Company:				
Signature:	Date:				
FOR LLW REPOSITORY LTD USE ONL	Υ				
Received on:	Form D1 Reference Number:				
Response required by:	Status:				



	Repository
FO	R LLW REPOSITORY LTD USE ONLY
То	:
Ad	dress:
	rther to your recent request for Agreement in Principle to dispose of radioactive waste at the Low Level Waste pository, I can confim on behalf of LLW Repository Ltd that:
1.	LLW Repository Ltd agrees in principle to accept the waste as described in your request.
	Note: Any agreement is subject to a valid Certificate of Authorisation for disposal being issued to you from the Environment Agency and sufficient volumetric and radiological capacity being available under the Certificate of Authorisation for disposal at the Low Level Waste Repository. Allocation of volumetric and radiological capacity and disposal of the waste will be subject to your acceptance of a disposal contract with LLW Repository Ltd.
2.	LLW Repository Ltd does not agree in principle to accept the waste as described in your request for the following reasons:
Le	ou would like any further clarification on this decision or require any additional information, please contact the Low vel Waste Service Manager, through the Low Level Waste Customer Team, by telephone: (01946) 724834 or by e-il: customerteam@llwrsite.com.
Au	thorisation by LLW Repository Ltd
Na	me: (Please Print) Position:

Date:



Introduction

This form is to be completed by customers seeking to dispose of radioactive waste to the Low Level Waste Repository to request agreement in principle prior to disposal of waste. The information required relates to the owner, usually a company, having title to the waste for disposal, except where stated. Please answer each question as fully as possible. If there are insufficient lines in any of the tables, please enter details on a separate sheet and indicate on the appropriate table that you have done so. (*denotes select from drop down menu).

If you need any assistance or have any questions regarding completion of this form, please contact the Low Level Waste Customer Team, by telephone: (01946) 722252 or by e-mail: customerteam@llwrsite.com

	Please return the completed and signed form by post to: Low Level Waste Customer Team, Low Level Waste Repository Limited, allerdale Court, Greengarth, Holmrook, Cumbria, CA19 1UL, by fax to: (01946) 722260 or by e-mail to: customerteam@llwrsite.com				
Cus	stomer Details				
1.	Name of Waste Owner:				
Оре	erator specific data. Not available at this time.				
2.	Address of Company Office:				
Оре	erator specific data. Not available at this time.				
	Address of premises where the waste was / is to be generated: especific data. Information not available at this time.				
4. Site	Address of premises where the waste is accumulated and from which it will be disposed: especific data. Information not available at this time.				
5.	Job title of Head of premises named in (4):				
Site	e specific data. Information not available at this time.				
6.	Name, job title, company address, telephone number and e-mail address of the day-to-day contact for this waste:				
	trand LANTES, specialist in waste management F / DPN / UTO				
6, a	venue Montaigne				
	92 Noisy le Grand, cedex ANCE				
7.	Will the person named in (6) be considered competent and able to secure compliance with the Secure that the Secure compliance with the Secure that the Secure that the Secure that the Secure compliance with the Secure that				

and by LLW Repository Ltd in their Conditions for Acceptance?

Customer Details (continued) If the answer at (7) is "No", please provide the name, job title, company name, company address, telephone number, and e-mail address of the person who will be considered competent: If persons other than the owner of the waste will handle the waste and be responsible for the disposal please provide their name, job title, company name, company address, telephone number and e-mail address: Nature of the Waste 10. Describe the nature of the process giving rise to the radioactive waste and the type of radioactive waste generated. State the physical and chemical form of the radioactive waste and the nature of the radioactive contaminant. Origin of waste: Maintenance and operational waste arising mainly during outages collected in plastic bags. Physical nature of waste: Heterogeneous active waste (technological waste or operational waste): pieces of metal, plastic, clothes, etc., of which dose rate in contact is above 2mSv h-1 (contamination by active metallic oxides). Density of the raw waste will be 0.4 g/cc. Radioactive contamination: activation products and fission products, beta and beta/gamma emitters (60Co, 58Co, 54Mn, 65Zn, 110mAg, 125Sb, 134Cs, 137Cs, 10Be, 14C, 36Cl, 41Ca, 55Fe, 59Ni, 63Ni, 79Se, 90Sr, 93Mo, 93Zr, 94Nb, 99Tc, 107Pd, 108mAg, 121mSn, 126Sn, 129I, 135Cs, 151Sm) and a very low amount of alpha emitters Chemical characteristics of raw waste: Fe, Co, Ni, Cr, plastics (PVC, PE), cellulose. Toxic chemicals in raw waste: B: 100 ppm Pb: 88 ppm Cr tot: 8 ppm Ni: 12 ppm As: 0.33 ppm Be: 0.40 ppm 1,045 ppm Se: 0.22 ppm Cd: 5.6 ppm CN-: 0.03 ppm Hg < 0.5 ppm. No complexing agents or reactive metals are expect to be present except for a limited amount of aluminium (0.1 m2/drum). Treatment: Plastic bags are filled with waste and loaded directly into drums (there will be no pre compaction on site, due to dose rate). The waste will be dry. The waste will be consigned as non-compactable waste in 200 L metallic drums transported in ISO disposal containers for grouting and disposal service. Mass of a drum: 97 kg (drum: 17 kg, waste: 80 kg). Yes * 11. Are you willing to provide the necessary Quality Assurance documentation, including a relevant wastestream characterisation, for the waste to be consigned and for your operations involving the generation and subsequent handling of waste for disposal to be audited by LLW Repository Ltd as required by the Conditions for Acceptance? 12. Do you confirm that the waste will comply in all respects with the Conditions for Acceptance, Yes * including that it excludes wastes which with reasonable practicable means could be disposed of to a domestic landfill or as special precautions disposal? 13. Will Hazardous Wastes, as defined in the Hazardous Waste Regulations, be included within any Yes * consignment? 14. For wastestreams containing uranium, plutonium or thorium, has this arisen from a process or Yes * from material which is subject to EURATOM safeguards? If "Yes", please confirm that either the amounts of these elements are below reportable levels, Below Reportable *

or that they will be reported as a Measured Discard.

15. For each year in which it is intended to consign waste for disposal, set out below the details of the waste, giving as accurate an estimate as possible of the weight, volume and radioactive content expressed in megabecquerels.

Calendar Year		Normal Vol & Act	Max Vol & Act	Future Years
Weight (kg)	***************************************	4E+02	6E+02	
Volume (m³)		1E+00	1.5E+00	
Uranium (MBq)		No	No	
Radium-226 (MBq)		No	No	
Thorium-232 (MBq)		No	No	
Other alpha emitters (MBq) ¹		1.85E-01	2.78E-01	
Carbon-14 (MBq)		1.36E+01	2.04E+01	
lodine-129 (MBq)		6.33E-05	9.50E-05	
Tritium (MBq)		No	No	
Cobalt-60 (MBq)		1.24E+03	1.85E+03	
Other radionuclides (MBq) ²	58Co excepted	4.80E+03	5.33E+03	

- 1. "Other alpha emitters" means alpha-emitting radionuclides with half-lives greater than three months excluding uranium, radium-226 and thorium-232
- 2. "Other radionuclides" means iron-55 and beta-emitting radionuclides with half-lives greater than three months³ unless individually specified in this Table (i.e. excluding Carbon-14, Iodine-129, Cobalt-60 and Tritium)
- 3. The activity of decay products with half lives of three months or less should be included only if they are present in amounts exceeding those which could be present through radioactive decay of the accounted radionuclides. Decay products are defined as those radionuclides succeeding another radionuclide in the radioactive series in which both, or all, occur.

Customer Declaration					
I declare that the information provided is tru	e and complete to the best of my knowledge.				
Name: (Please Print)	Company:				
Signature:	Date:				
FOR LLW REPOSITORY LTD USE ONLY					
Received on:	Form D1 Reference Number:				
Response required by:	Status:				



	Repository
FO	R LLW REPOSITORY LTD USE ONLY
То	:
Ad	dress:
	rther to your recent request for Agreement in Principle to dispose of radioactive waste at the Low Level Waste pository, I can confim on behalf of LLW Repository Ltd that:
1.	LLW Repository Ltd agrees in principle to accept the waste as described in your request.
	Note: Any agreement is subject to a valid Certificate of Authorisation for disposal being issued to you from the Environment Agency and sufficient volumetric and radiological capacity being available under the Certificate of Authorisation for disposal at the Low Level Waste Repository. Allocation of volumetric and radiological capacity and disposal of the waste will be subject to your acceptance of a disposal contract with LLW Repository Ltd.
2.	LLW Repository Ltd does not agree in principle to accept the waste as described in your request for the following reasons:
Le	ou would like any further clarification on this decision or require any additional information, please contact the Low vel Waste Service Manager, through the Low Level Waste Customer Team, by telephone: (01946) 724834 or by e-il: customerteam@llwrsite.com.
Au	thorisation by LLW Repository Ltd
Na	me: (Please Print) Position:

Date:



Introduction

This form is to be completed by customers seeking to dispose of radioactive waste to the Low Level Waste Repository to request agreement in principle prior to disposal of waste. The information required relates to the owner, usually a company, having title to the waste for disposal, except where stated. Please answer each question as fully as possible. If there are insufficient lines in any of the tables, please enter details on a separate sheet and indicate on the appropriate table that you have done so. (*denotes select from drop down menu).

If you need any assistance or have any questions regarding completion of this form, please contact the Low Level Waste Customer Team, by telephone: (01946) 722252 or by e-mail: customerteam@llwrsite.com

Please return the completed and signed form by post to: Low Level Waste Customer Team, Low Level Waste Repository Limited, Allerdale Court, Greengarth, Holmrook, Cumbria, CA19 1UL, by fax to: (01946) 722260 or by e-mail to: customerteam@llwrsite.com
Customer Details
Name of Waste Owner:
Operator specific data. Not available at this time.
2. Address of Company Office:
Operator specific data. Not available at this time.
3. Address of premises where the waste was / is to be generated: Site specific data. Information not available at this time.
4. Address of premises where the waste is accumulated and from which it will be disposed:
Site specific data. Information not available at this time.
5. Job title of Head of premises named in (4):
Site specific data. Information not available at this time.
6. Name, job title, company address, telephone number and e-mail address of the day-to-day contact for this waste: Bertrand LANTES, specialist in waste management EDF / DPN / UTO 6 avenue Montaigne 93192 Noisy le Grand cedex FRANCE
7. Will the person named in (6) be considered competent and able to secure compliance with the

limitations and conditions to be specified in the relevant Radioactive Substances Act Authorisation

and by LLW Repository Ltd in their Conditions for Acceptance?

Cu	stomer Details (continued)	
8.	If the answer at (7) is "No", please provide the name, job title, company name, company address, number, and e-mail address of the person who will be considered competent:	telephone
9.	If persons other than the owner of the waste will handle the waste and be responsible for the disportant provide their name, job title, company name, company address, telephone number and e-mail address.	
Nat	ture of the Waste	
10. Wa bag Phy piec oxid The Nat 580 Che Tox 1,5 or r Tre dry kg, 75 plas pro	Describe the nature of the process giving rise to the radioactive waste and the type of radioactive State the physical and chemical form of the radioactive waste and the nature of the radioactive conste origin: Maintenance and operational waste arising mainly during reactor outages and are collected. In the process of metal, plastic, clothes,, of which dose rate in contact is under 2mSv h-1 (contamination by sees of metal, plastic, clothes,, of which dose rate in contact is under 2mSv h-1 (contamination by sees of metal, plastic, clothes,, of which dose rate in contact is under 2mSv h-1 (contamination by sees of metal, plastic, clothes,, of which dose rate in contact is under 2mSv h-1 (contamination by sees of metal, plastic, clothes,, of which dose rate in contact is under 2mSv h-1 (contamination by sees of metal, plastic, clothes,, of which dose rate in contact is under 2mSv h-1 (contamination by sees of metal, plastic, clothes,, of which dose rate in contact is under 2mSv h-1 (contamination) by sees of metal, plastic bags. 75 % of these wastes waste density 0.4 g/cc. It is contamination: Metallic oxide activation products and fission products, beta and beta/gamma contact in contamination: Metallic oxide activation products and fission products, beta and beta/gamma contact in contact in contact in plastic bags, 137Cs, 10Be, 14C, 36Cl, 41Ca, 55Fe, 59Ni, 63Ni, 79Se, 2r, 94Nb, 99Tc, 107Pd, 108mAg, 121mSn, 126Sn, 129I, 135Cs, 151Sm) and a very low amount of semicals in raw waste: Fe, Co, Ni, Cr, plastics (PVC, PE), cellulose, In contact in a contact in plastic selection in the contact in t	ntaminant. Ited in plastic consisting of small active metallic tes are burnable. Item emitters (60Co, 90Sr, 93Mo, alpha emitters. D.26 ppm Sb: complexing agents The waste will be 17 kg (drum: 17 gated. Then, acineration
11.	Are you willing to provide the necessary Quality Assurance documentation, including a relevant wastestream characterisation, for the waste to be consigned and for your operations involving the generation and subsequent handling of waste for disposal to be audited by LLW Repository Ltd as required by the Conditions for Acceptance?	Yes*
12.	Do you confirm that the waste will comply in all respects with the Conditions for Acceptance, including that it excludes wastes which with reasonable practicable means could be disposed of to a domestic landfill or as special precautions disposal?	Yes *
13.	Will Hazardous Wastes, as defined in the Hazardous Waste Regulations, be included within any consignment?	Yes*
14.	For wastestreams containing uranium, plutonium or thorium, has this arisen from a process or from material which is subject to EURATOM safeguards?	Yes *
	If "Yes", please confirm that either the amounts of these elements are below reportable levels, or that they will be reported as a Measured Discard.	elow Reportable *

15. For each year in which it is intended to consign waste for disposal, set out below the details of the waste, giving as accurate an estimate as possible of the weight, volume and radioactive content expressed in megabecquerels.

Calendar Year	***************************************	Normal Vol & Act	Max Vol & Act	Future Years
Weight (kg)		2E+04	3E+04	
Volume (m³)		5E+01	7.5E+01	
Uranium (MBq)		No	No	
Radium-226 (MBq)		No	No	
Thorium-232 (MBq)		No	No	
Other alpha emitters (MBq) ¹		4.76E-01	1.73E+01	
Carbon-14 (MBq)		3.49E+01	1.26E+03	
lodine-129 (MBq)		1.63E-04	5.89E-03	
Tritium (MBq)		No	No	
Cobalt-60 (MBq)		3.17E+03	1.15E+05	
Other radionuclides (MBq) ²	58Co excepted	9.11E+03	3.3E+05	

- 1. "Other alpha emitters" means alpha-emitting radionuclides with half-lives greater than three months excluding uranium, radium-226 and thorium-232
- 2. "Other radionuclides" means iron-55 and beta-emitting radionuclides with half-lives greater than three months³ unless individually specified in this Table (i.e. excluding Carbon-14, Iodine-129, Cobalt-60 and Tritium)
- 3. The activity of decay products with half lives of three months or less should be included only if they are present in amounts exceeding those which could be present through radioactive decay of the accounted radionuclides. Decay products are defined as those radionuclides succeeding another radionuclide in the radioactive series in which both, or all, occur.

Customer Declaration				
I declare that the information provided is tru	e and complete to the best of my knowledge.			
Name: (Please Print)	Company:			
Signature:	Date:			
FOR LLW REPOSITORY LTD USE ONLY				
Received on:	Form D1 Reference Number:			
Response required by:	Status:			



	Repository
FO	R LLW REPOSITORY LTD USE ONLY
То	:
Ad	dress:
	rther to your recent request for Agreement in Principle to dispose of radioactive waste at the Low Level Waste pository, I can confim on behalf of LLW Repository Ltd that:
1.	LLW Repository Ltd agrees in principle to accept the waste as described in your request.
	Note: Any agreement is subject to a valid Certificate of Authorisation for disposal being issued to you from the Environment Agency and sufficient volumetric and radiological capacity being available under the Certificate of Authorisation for disposal at the Low Level Waste Repository. Allocation of volumetric and radiological capacity and disposal of the waste will be subject to your acceptance of a disposal contract with LLW Repository Ltd.
2.	LLW Repository Ltd does not agree in principle to accept the waste as described in your request for the following reasons:
Le	ou would like any further clarification on this decision or require any additional information, please contact the Low vel Waste Service Manager, through the Low Level Waste Customer Team, by telephone: (01946) 724834 or by e-il: customerteam@llwrsite.com.
Au	thorisation by LLW Repository Ltd
Na	me: (Please Print) Position:

Date:



Introduction

This form is to be completed by customers seeking to dispose of radioactive waste to the Low Level Waste Repository to request agreement in principle prior to disposal of waste. The information required relates to the owner, usually a company, having title to the waste for disposal, except where stated. Please answer each question as fully as possible. If there are insufficient lines in any of the tables, please enter details on a separate sheet and indicate on the appropriate table that you have done so. (*denotes select from drop down menu).

If you need any assistance or have any questions regarding completion of this form, please contact the Low Level Waste Customer Team, by telephone: (01946) 722252 or by e-mail: customerteam@llwrsite.com

Please return the completed and signed form by post to: Low Level Waste Customer Team, Low Level Waste Repository Limited, Allerdale Court, Greengarth, Holmrook, Cumbria, CA19 1UL, by fax to: (01946) 722260 or by e-mail to: customerteam@llwrsite.com			
Customer Details			
1. Name of Waste Owner:			
Operator specific data. Not available at this time.			
2. Address of Company Office:			
Operator specific data. Not available at this time.			
3. Address of premises where the waste was / is to be generated: Site specific data. Information not available at this time.			
 Address of premises where the waste is accumulated and from which it will be disposed: Site specific data. Information not available at this time. 			
5. Job title of Head of premises named in (4):			
6. Name, job title, company address, telephone number and e-mail address of the day-to-day contact for this waste: Bertrand LANTES, specialist in waste management EDF / DPN / UTO 6, avenue Montaigne 93192 Noisy le Grand, cedex FRANCE			

7. Will the person named in (6) be considered competent and able to secure compliance with the

and by LLW Repository Ltd in their Conditions for Acceptance?

limitations and conditions to be specified in the relevant Radioactive Substances Act Authorisation

Yes *

Customer Details (continued)

- 8. If the answer at (7) is "No", please provide the name, job title, company name, company address, telephone number, and e-mail address of the person who will be considered competent:
- 9. If persons other than the owner of the waste will handle the waste and be responsible for the disposal please provide their name, job title, company name, company address, telephone number and e-mail address:

Nature of the Waste

10. Describe the nature of the process giving rise to the radioactive waste and the type of radioactive waste generated. State the physical and chemical form of the radioactive waste and the nature of the radioactive contaminant.

Origin of waste: Stainless steel waste arising from mainentance operations. This waste will be mostly generated during reactor outages.

Scraps (mainly stainless steels) with low level of contamination, of which dose rate in contact is under 2mSv h-1 (contamination by active metallic oxides). Mainly arising during outages.

Radioactive contamination: The waste metal will be contaminated with metal oxide activation products and fission products, beta and beta/gamma emitters (60Co, 58Co, 54Mn, 65Zn, 110mAg, 125Sb, 134Cs, 137Cs, 10Be, 14C, 36Cl, 41Ca, 55Fe, 59Ni, 63Ni, 79Se, 90Sr, 93Mo, 93Zr, 94Nb, 99Tc, 107Pd, 108mAg, 121mSn, 126Sn, 129I, 135Cs, 151Sm). Only trace levels of alpha emitters are expected.

Treatment: waste will be placed into metallic boxes or metallic drums. The waste will be dry. The waste will be consigned in uncompactable 1 m3 metallic boxes or uncompactable 200 L metallic drums transported in an ISO disposal container for grouting and disposal service. Mass of a box: 592 kg (box: 92 kg, scraps: 500 kg), mass of a drum: 117 kg (drum: 17kg, scraps: 100 kg). Waste bulk density = 0.5 g/cc.

Remarks: Metal wastes could be consigned to a melting facility if available. Very low level contaminated scraps could be segregated and shipped to a recycling facility.

11.	Are you willing to provide the necessary Quality Assurance documentation, including a relevant wastestream characterisation, for the waste to be consigned and for your operations involving the generation and subsequent handling of waste for disposal to be audited by LLW Repository Ltd as required by the Conditions for Acceptance?	Yes *
12.	Do you confirm that the waste will comply in all respects with the Conditions for Acceptance, including that it excludes wastes which with reasonable practicable means could be disposed of to a domestic landfill or as special precautions disposal?	Yes *
3.	Will Hazardous Wastes, as defined in the Hazardous Waste Regulations, be included within any consignment?	Yes *
4.	For wastestreams containing uranium, plutonium or thorium, has this arisen from a process or from material which is subject to EURATOM safeguards?	Yes *

If "Yes", please confirm that either the amounts of these elements are below reportable levels,

or that they will be reported as a Measured Discard.

Below Reportable *

15. For each year in which it is intended to consign waste for disposal, set out below the details of the waste, giving as accurate an estimate as possible of the weight, volume and radioactive content expressed in megabecquerels.

Calendar Year		Normal Vol & Act	Max Vol & Act	Future Years
Weight (kg)	***************************************	3E+03	4.5E+03	
Volume (m³)		6E+00	9E+00	
Uranium (MBq)		No	No	
Radium-226 (MBq)		No	No	
Thorium-232 (MBq)		No	No	
Other alpha emitters (MBq) ¹		1.67E-02	5.39E-01	
Carbon-14 (MBq)		1.22E+00	3.95E+01	
lodine-129 (MBq)		5.71E-06	1.84E-04	
Tritium (MBq)		No	No	
Cobalt-60 (MBq)		1.11E+02	3.59E+03	
Other radionuclides (MBq) ²	58Co excepted	3.19E+02	1.03E+04	

Notes:

- 1. "Other alpha emitters" means alpha-emitting radionuclides with half-lives greater than three months excluding uranium, radium-226 and thorium-232
- 2. "Other radionuclides" means iron-55 and beta-emitting radionuclides with half-lives greater than three months³ unless individually specified in this Table (i.e. excluding Carbon-14, Iodine-129, Cobalt-60 and Tritium)
- 3. The activity of decay products with half lives of three months or less should be included only if they are present in amounts exceeding those which could be present through radioactive decay of the accounted radionuclides. Decay products are defined as those radionuclides succeeding another radionuclide in the radioactive series in which both, or all, occur.

Customer Declaration

Cuotomor Boolaration		
I declare that the information provided is	true and complete to the best of my knowledge.	
Name: (Please Print)	Company:	
Signature:	Date:	
FOR LLW REPOSITORY LTD USE ONL	.Y	
Received on:	Form D1 Reference Number:	
Response required by:	Status:	



	Repository
FO	R LLW REPOSITORY LTD USE ONLY
То	:
Ad	dress:
	rther to your recent request for Agreement in Principle to dispose of radioactive waste at the Low Level Waste pository, I can confim on behalf of LLW Repository Ltd that:
1.	LLW Repository Ltd agrees in principle to accept the waste as described in your request.
	Note: Any agreement is subject to a valid Certificate of Authorisation for disposal being issued to you from the Environment Agency and sufficient volumetric and radiological capacity being available under the Certificate of Authorisation for disposal at the Low Level Waste Repository. Allocation of volumetric and radiological capacity and disposal of the waste will be subject to your acceptance of a disposal contract with LLW Repository Ltd.
2.	LLW Repository Ltd does not agree in principle to accept the waste as described in your request for the following reasons:
Le	ou would like any further clarification on this decision or require any additional information, please contact the Low vel Waste Service Manager, through the Low Level Waste Customer Team, by telephone: (01946) 724834 or by e-il: customerteam@llwrsite.com.
Au	thorisation by LLW Repository Ltd
Na	me: (Please Print) Position:

Date:



Introduction

This form is to be completed by customers seeking to dispose of radioactive waste to the Low Level Waste Repository to request agreement in principle prior to disposal of waste. The information required relates to the owner, usually a company, having title to the waste for disposal, except where stated. Please answer each question as fully as possible. If there are insufficient lines in any of the tables, please enter details on a separate sheet and indicate on the appropriate table that you have done so. (*denotes select from drop down menu).

If you need any assistance or have any questions regarding completion of this form, please contact the Low Level Waste Customer Team, by telephone: (01946) 722252 or by e-mail: customerteam@llwrsite.com

	ase return the completed and signed form by post to: Low Level Waste Customer Team, Low Level Waste Repository Limited, rdale Court, Greengarth, Holmrook, Cumbria, CA19 1UL, by fax to: (01946) 722260 or by e-mail to: customerteam@llwrsite.com
Cus	stomer Details
1.	Name of Waste Owner:
Оре	erator specific data. Not available at this time.
2.	Address of Company Office:
Оре	erator specific data. Not available at this time.
	Address of premises where the waste was / is to be generated: especific data. Information not available at this time.
4. Site	Address of premises where the waste is accumulated and from which it will be disposed: especific data. Information not available at this time.
5.	Job title of Head of premises named in (4):
Site	e specific data. Information not available at this time.
6.	Name, job title, company address, telephone number and e-mail address of the day-to-day contact for this waste:
	trand LANTES, specialist in waste management F / DPN / UTO
6, a	venue Montaigne
	92 Noisy le Grand, cedex ANCE
7.	Will the person named in (6) be considered competent and able to secure compliance with the Secure that the Secure compliance with the Secure that the Secure that the Secure that the Secure compliance with the Secure that

and by LLW Repository Ltd in their Conditions for Acceptance?

Customer Details (continued)

	·				
8.	If the answer at (7) is "No", please provide the name, job title, company name, company address, telephone number, and e-mail address of the person who will be considered competent:				
9.	If persons other than the owner of the waste will handle the waste and be responsible for the disposal please provide their name, job title, company name, company address, telephone number and e-mail address:				
Na	ture of the Waste				
10.	Describe the nature of the process giving rise to the radioactive waste and the type of radioactive waste generated. State the physical and chemical form of the radioactive waste and the nature of the radioactive contaminant.				
	gin of waste: Wet sludges arise from the cleaning of active liquor tanks (Liquid Waste Treatment System, Liquid luents Release System) and sumps.				
Na	Nature of contamination: activation products and fission products, beta and beta/gamma emitters (3H, 60Co, 58Co, 54Mn, 65Zn, 110mAg, 125Sb, 134Cs, 137Cs, 10Be, 14C, 22Na, 36Cl, 41Ca, 55Fe, 59Ni, 63Ni, 79Se, 90Sr, 93Mo,				

Chemical characteristics of raw waste: Fe, Co, Ni, Cr, Ca, Na, carbonates, borates,...

Toxic chemcals in wet sludges: B: 1,000 ppm Pb: 335 ppm Cr tot: 189 ppm Ni: 165 ppm As, Sb, Hg: 4 ppm. Very low level of complexing agents may be present from carboxylic acids used in decontamination processes. No reactive metals will be present.

93Zr, 94Nb, 99Tc, 107Pd, 108mAg, 121mSn, 126Sn, 129I, 135Cs, 151Sm) and a very low amount of alpha emitters

Treatment: Sludges will be encapsulated in a mortar matrix (cement, sand, lime, water). The will be no free water present in the packaged waste.

Packaging: Waste will be loaded into 200 L metallic transported in ISO disposal containers to the LLWR for the grouting and disposal service. Mass of a drum: 397 kg (drum: 17 kg, sludges: 80 kg, mortar: 300 kg). Density of raw waste: 1.2

11.	Are you willing to provide the necessary Quality Assurance documentation, including a relevant wastestream characterisation, for the waste to be consigned and for your operations involving the generation and subsequent handling of waste for disposal to be audited by LLW Repository Ltd as required by the Conditions for Acceptance?	Yes *
12.	Do you confirm that the waste will comply in all respects with the Conditions for Acceptance, including that it excludes wastes which with reasonable practicable means could be disposed of to a domestic landfill or as special precautions disposal?	Yes *
13.	Will Hazardous Wastes, as defined in the Hazardous Waste Regulations, be included within any consignment?	Yes *
14.	For wastestreams containing uranium, plutonium or thorium, has this arisen from a process or from material which is subject to EURATOM safeguards?	Yes *
	If "Yes", please confirm that either the amounts of these elements are below reportable levels,	Below Reportable *

or that they will be reported as a Measured Discard.

15. For each year in which it is intended to consign waste for disposal, set out below the details of the waste, giving as accurate an estimate as possible of the weight, volume and radioactive content expressed in megabecquerels.

Calendar Year	***************************************	Normal Vol & Act	Max Vol & Act	Future Years
Weight (kg)		1.2E+03	2.4E+03	
Volume (m³)		1E+00	2.E+00	
Uranium (MBq)		No	No	
Radium-226 (MBq)		No	No	
Thorium-232 (MBq)		No	No	
Other alpha emitters (MBq) ¹		5.26E-01	1.05E+00	
Carbon-14 (MBq)		3.86E+01	7.72E+01	
lodine-129 (MBq)		1.80E-04	3.59E-04	
Tritium (MBq)	(fixed : 1E+03/m3	8.16E+02	1.63E+03	
Cobalt-60 (MBq)		3.51E+03	7.02E+03	
Other radionuclides (MBq) ²	58Co excepted	1.44E+04	2.88E+04	

Notes:

- 1. "Other alpha emitters" means alpha-emitting radionuclides with half-lives greater than three months excluding uranium, radium-226 and thorium-232
- 2. "Other radionuclides" means iron-55 and beta-emitting radionuclides with half-lives greater than three months³ unless individually specified in this Table (i.e. excluding Carbon-14, Iodine-129, Cobalt-60 and Tritium)
- 3. The activity of decay products with half lives of three months or less should be included only if they are present in amounts exceeding those which could be present through radioactive decay of the accounted radionuclides. Decay products are defined as those radionuclides succeeding another radionuclide in the radioactive series in which both, or all, occur.

Customer Declaration

Customer Declaration				
I declare that the information provided is to	rue and complete to the best of my knowledge.			
Name: (Please Print)	Company:			
Signature:	Date:	Date:		
FOR LLW REPOSITORY LTD USE ONL	У			
Received on:	Form D1 Reference Number:			
Response required by:	Status:			



	Repository
FO	R LLW REPOSITORY LTD USE ONLY
То	:
Ad	dress:
	rther to your recent request for Agreement in Principle to dispose of radioactive waste at the Low Level Waste pository, I can confim on behalf of LLW Repository Ltd that:
1.	LLW Repository Ltd agrees in principle to accept the waste as described in your request.
	Note: Any agreement is subject to a valid Certificate of Authorisation for disposal being issued to you from the Environment Agency and sufficient volumetric and radiological capacity being available under the Certificate of Authorisation for disposal at the Low Level Waste Repository. Allocation of volumetric and radiological capacity and disposal of the waste will be subject to your acceptance of a disposal contract with LLW Repository Ltd.
2.	LLW Repository Ltd does not agree in principle to accept the waste as described in your request for the following reasons:
Le	ou would like any further clarification on this decision or require any additional information, please contact the Low vel Waste Service Manager, through the Low Level Waste Customer Team, by telephone: (01946) 724834 or by e-il: customerteam@llwrsite.com.
Au	thorisation by LLW Repository Ltd
Na	me: (Please Print) Position:

Date:



Introduction

This form is to be completed by customers seeking to dispose of radioactive waste to the Low Level Waste Repository to request agreement in principle prior to disposal of waste. The information required relates to the owner, usually a company, having title to the waste for disposal, except where stated. Please answer each question as fully as possible. If there are insufficient lines in any of the tables, please enter details on a separate sheet and indicate on the appropriate table that you have done so. (*denotes select from drop down menu).

Team, by telephone: (01946) 722252 or by e-mail: customerteam@llwrsite.com
Please return the completed and signed form by post to: Low Level Waste Customer Team, Low Level Waste Repository Limited, Allerdale Court, Greengarth, Holmrook, Cumbria, CA19 1UL, by fax to: (01946) 722260 or by e-mail to: customerteam@llwrsite.com
Customer Details
Name of Waste Owner:
Operator specific data. Not available at this time.
2. Address of Company Office:
Operator specific data. Not available at this time.
3. Address of premises where the waste was / is to be generated: Site specific data. Information not available at this time.
4. Address of premises where the waste is accumulated and from which it will be disposed:
Site specific data. Information not available at this time.
5. Job title of Head of premises named in (4):
Site specific data. Information not available at this time.
6. Name, job title, company address, telephone number and e-mail address of the day-to-day contact for this waste: Bertrand LANTES, specialist in waste management EDF / DPN / UTO 6, avenue Montaigne 93192 Noisy le Grand, cedex FRANCE

Will the person named in (6) be considered competent and able to secure compliance with the

and by LLW Repository Ltd in their Conditions for Acceptance?

limitations and conditions to be specified in the relevant Radioactive Substances Act Authorisation

Yes *

Cu	stomer Details (continued)	
8.	If the answer at (7) is "No", please provide the name, job title, company name, company address, to number, and e-mail address of the person who will be considered competent:	lephone
9.	If persons other than the owner of the waste will handle the waste and be responsible for the dispose provide their name, job title, company name, company address, telephone number and e-mail address.	
Na	ture of the Waste	
10.	Describe the nature of the process giving rise to the radioactive waste and the type of radioactive w	
Rad 54N 93Z Cho Tox	State the physical and chemical form of the radioactive waste and the nature of the radioactive conteste origin: Concentrates arise from the evaporator bottoms of the Liquid Waste Treatment System. dioactive contamination: activation products and fission products, beta and beta/gamma emitters (3H Mn, 65Zn, 110mAg, 125Sb, 134Cs, 137Cs, 10Be, 14C, 22Na, 36Cl, 41Ca, 55Fe, 59Ni, 63Ni, 79Se, 9Zr, 94Nb, 99Tc, 107Pd, 108mAg, 121mSn, 126Sn, 129I, 135Cs, 151Sm) and a very low amount of all emical characteristics of raw waste: Borates, carbonates, Na, Fe, Co, Ni, Cr, kic chemicals: B: 42,160 ppm Pb: 335 ppm Cr tot: 6 ppm Ni: 8 ppm As: 4 ppm, Sb: 2 ppm, Hg, Be, m. Very low level of complexing agents (carboxylic acids used in decontamination processes). No re	, 60Co, 58Co, 0Sr, 93Mo, pha emitters Cd, Se: 0.4
Tre Wa	sent. atment: Waste will be encapsulated in a mortar matrix (cement, sand, lime, water). No free water w ste will be consigned in non-compactable 200 L metallic drums transported in ISO containers for gro posal service. Mass of a drum: 382 kg (drum: 17 kg, concentrates: 87 kg, mortar: 278 kg). Density of	uting and
Re	mark: Concentrates could be incinerated with combustible dry active waste if incineration option was	available.
11.	Are you willing to provide the necessary Quality Assurance documentation, including a relevant wastestream characterisation, for the waste to be consigned and for your operations involving the generation and subsequent handling of waste for disposal to be audited by LLW Repository Ltd as required by the Conditions for Acceptance?	Yes *
12.	Do you confirm that the waste will comply in all respects with the Conditions for Acceptance, including that it excludes wastes which with reasonable practicable means could be disposed of to a domestic landfill or as special precautions disposal?	Yes *
13.	Will Hazardous Wastes, as defined in the Hazardous Waste Regulations, be included within any consignment?	Yes *
14.	For wastestreams containing uranium, plutonium or thorium, has this arisen from a process or from material which is subject to EURATOM safeguards?	Yes *

If "Yes", please confirm that either the amounts of these elements are below reportable levels, or that they will be reported as a Measured Discard.

Below Reportable *

15. For each year in which it is intended to consign waste for disposal, set out below the details of the waste, giving as accurate an estimate as possible of the weight, volume and radioactive content expressed in megabecquerels.

Calendar Year	***************************************	Normal Vol & Act	Max Vol & Act	Future Years
Weight (kg)		3.3E+03	6.6E+03	
Volume (m ³)		3E+00	6E+00	
Uranium (MBq)		No	No	
Radium-226 (MBq)		No	No	
Thorium-232 (MBq)		No	No	
Other alpha emitters (MBq) ¹		3.02E-01	3.75E+00	
Carbon-14 (MBq)		2.21E+01	2.75E+02	
lodine-129 (MBq)		1.03E-04	1.28E-03	
Tritium (MBq)	(fixed: 1E+03/m3	3.E+03	6.E+03	
Cobalt-60 (MBq)		2.01E+03	2.50E+04	
Other radionuclides (MBq) ²	58Co excepted	5.76E+03	7.18E+04	

- 1. "Other alpha emitters" means alpha-emitting radionuclides with half-lives greater than three months excluding uranium, radium-226 and thorium-232
- 2. "Other radionuclides" means iron-55 and beta-emitting radionuclides with half-lives greater than three months³ unless individually specified in this Table (i.e. excluding Carbon-14, Iodine-129, Cobalt-60 and Tritium)
- 3. The activity of decay products with half lives of three months or less should be included only if they are present in amounts exceeding those which could be present through radioactive decay of the accounted radionuclides. Decay products are defined as those radionuclides succeeding another radionuclide in the radioactive series in which both, or all, occur.

Customer Declaration			
I declare that the information provided is	true and complete to the best of my knowledge.		
Name: (Please Print)	Company:		
Signature:	Date:	Date:	
FOR LLW REPOSITORY LTD USE ONL	.Y		
Received on:	Form D1 Reference Number:		
Response required by:	Status:		



	Repository
FO	R LLW REPOSITORY LTD USE ONLY
То	:
Ad	dress:
	rther to your recent request for Agreement in Principle to dispose of radioactive waste at the Low Level Waste pository, I can confim on behalf of LLW Repository Ltd that:
1.	LLW Repository Ltd agrees in principle to accept the waste as described in your request.
	Note: Any agreement is subject to a valid Certificate of Authorisation for disposal being issued to you from the Environment Agency and sufficient volumetric and radiological capacity being available under the Certificate of Authorisation for disposal at the Low Level Waste Repository. Allocation of volumetric and radiological capacity and disposal of the waste will be subject to your acceptance of a disposal contract with LLW Repository Ltd.
2.	LLW Repository Ltd does not agree in principle to accept the waste as described in your request for the following reasons:
Le	ou would like any further clarification on this decision or require any additional information, please contact the Low vel Waste Service Manager, through the Low Level Waste Customer Team, by telephone: (01946) 724834 or by e-il: customerteam@llwrsite.com.
Au	thorisation by LLW Repository Ltd
Na	me: (Please Print) Position:

Date: