



# **Country Waste Profile Report for SPAIN Reporting Year: 2013**

*For guidance on reading Country Waste Profile Reports,  
please refer to the following internet based document:*

*<http://www-newmdb.iaea.org/help/profiles9/guide.pdf>*

*For further information, please contact the Responsible Officer via e-mail:  
[NEWMDB@IAEA.org](mailto:NEWMDB@IAEA.org)*

## Waste Classification Schemes

Country: SPAIN

Reporting Year: 2013

Waste Class Matrix: **IAEA Def.**

This country does use the IAEA Scheme: No

Description: The Agency's standard matrix

| Waste Class Name | Distribution % |       |       |       |
|------------------|----------------|-------|-------|-------|
|                  | VLLW           | LLW   | ILW   | HLW   |
| VLLW             | 100.0          | 0.0   | 0.0   | 0.0   |
| LLW              | 0.0            | 100.0 | 0.0   | 0.0   |
| ILW              | 0.0            | 0.0   | 100.0 | 0.0   |
| HLW              | 0.0            | 0.0   | 0.0   | 100.0 |

Comment **# 132: use of the IAEA Def matrix**

The CSN (see Regulators) is the only body in Spain responsible for radiation protection and nuclear safety, regardless of the type of radioactive material or waste. Thus, the CSN has competence over all type of waste (Matrix IAEA Def.- LILW-SL, LILW-LL, HLW).

The Ministry of Industry, Tourism and Trade is responsible for defining the policy and for establishing the regulations on radioactive waste, so it has competence over all type of waste (Matrix IAEA Def.- LILW-SL, LILW-LL, HLW).

Comment **# 349: explanation of classes used**

Although no explicit definition exists for LILW-SL in regulations currently in force, limits are defined according to the safety objectives set by safety authorities for El Cabril near surface disposal facility.

Other waste exceeding these limits can be associated as LILW-LL and should be managed in a different way.

Waste Class Matrix: **SPAIN**

Yes

Description: RBBA = "residuos de muy baja actividad"  
 RBMA = "residuos de baja y media actividad"  
 RAA = "residuos de alta actividad"

| Waste Class Name | Distribution % |       |       |       |
|------------------|----------------|-------|-------|-------|
|                  | VLLW           | LLW   | ILW   | HLW   |
| RBBA             | 100.0          | 0.0   | 0.0   | 0.0   |
| RBMA             | 0.0            | 100.0 | 0.0   | 0.0   |
| RAA              | 0.0            | 0.0   | 0.0   | 100.0 |
| RE               | 0.0            | 0.0   | 100.0 | 0.0   |

**Definition of «unprocessed waste» and «processed waste»:**

This country uses the IAEA standard definition:

|                    | as-generated waste | processed for handling | processed for storage | processed for disposal |
|--------------------|--------------------|------------------------|-----------------------|------------------------|
| Inprocessed means: | x                  |                        |                       |                        |
| Processed means:   |                    | x                      | x                     | x                      |

## Groups Overview

Country: SPAIN

Reporting Year: 2013

|                           |  |
|---------------------------|--|
| <b>Reporting Group:</b>   | <b>CCNN</b>                                |
| Inventory Reporting Date: | December 2013                              |
| Waste Matrix Used:        | SPAIN                                      |
| Description:              | NUCLEAR POWER PLANTS (CENTRALES NUCLEARES) |

| Site Name | Facility Name | Facilities Defined |         |  |
|-----------|---------------|--------------------|---------|--|
| ALMARAZ   | RBMA          | processing         | storage |  |
| ASCO      | RBMA          | processing         | storage |  |
| COFRENTES | RBMA          | processing         | storage |  |
| GAROÑA    | RBMA          | processing         | storage |  |
| TRILLO    | RBMA          | processing         | storage |  |
| VANDELLOS | RBMA          | processing         | storage |  |

|                           |   |
|---------------------------|---|
| <b>Reporting Group:</b>   | <b>CIEMAT</b>   |
| Inventory Reporting Date: | December 2013   |
| Waste Matrix Used:        | SPAIN   |
| Description:              | CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS (NATIONAL RESEARCH CENTRE FOR ENERGY AND ENVIRONMENT RELATED TECHNOLOGIES) |

| Site Name | Facility Name | Facilities Defined |         |  |
|-----------|---------------|--------------------|---------|--|
| CIEMAT    | RMBA          | processing         | storage |  |

## Groups Overview

Country: SPAIN

Reporting Year: 2013

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>Reporting Group:</b>   | <b>ENRESA</b>                     |
| Inventory Reporting Date: | December 2013                     |
| Waste Matrix Used:        | SPAIN                             |
| Description:              | National Waste Management Company |

| Site Name | Facility Name | Facilities Defined |         |          |
|-----------|---------------|--------------------|---------|----------|
| EL CABRIL | BLOQ          | processing         |         |          |
|           | COMP          | processing         |         |          |
|           | COND BLG      |                    | storage |          |
|           | ERT           |                    | storage |          |
|           | INC           | processing         |         |          |
|           | IR ZONE       |                    | storage |          |
|           | LILW CELDA    |                    |         | disposal |
|           | MODULOS       |                    | storage |          |
|           | TECNOLOGIC    | processing         | storage |          |
|           | VLLW CELDA    |                    |         | disposal |
|           | VANDELLOS     | VANDELLOS          |         | storage  |
| ZORITA    | RBMA          | processing         | storage |          |

|                           |  |
|---------------------------|--|
| <b>Reporting Group:</b>   | <b>ENUSA</b>   |
| Inventory Reporting Date: | December 2013  |
| Waste Matrix Used:        | SPAIN  |
| Description:              | EMPRESA NACIONAL DEL URANIO S.A. (URANIUM NATIONAL COMPANY S.A.) |

| Site Name | Facility Name | Facilities Defined |         |  |
|-----------|---------------|--------------------|---------|--|
| Juzbado   | RMBA          | processing         | storage |  |

|                           |                       |
|---------------------------|-----------------------|
| <b>Reporting Group:</b>   | <b>National Total</b> |
| Inventory Reporting Date: | December 2013         |
| Waste Matrix Used:        | SPAIN                 |
| Description:              |                       |

| Site Name | Facility Name | Facilities Defined |         |          |
|-----------|---------------|--------------------|---------|----------|
| NT        | ND            |                    |         | disposal |
|           | NS            |                    | storage |          |

## Site (Structure) : ALMARAZ

Country: SPAIN

Reporting Year: 2013

Full Name: CENTRAL NUCLEAR DE ALMARAZ (ALMARAZ NPP)

Description:

Official Website:

License Holder(s): IBERDROLA GENERACION S.A. (52,7%); ENDESA GENERACION S.A. (36%)  
AND UNION FENOSA GENERACION S.A. (11,3%) / CENTRALES NUCLEARES  
ALMARAZ-TRILLO, A.I.E. / CENTRALES NUCLEARES ALMARAZ-TRILLO, A.I.E.  
IBERDROLA GENERACION S.A. (52,7%); ENDESA GENERACION S.A. (36%)  
AND UNION FENOSA GENERACION S.A. (11,3%) / CENTRALES NUCLEARES  
ALMARAZ-TRILLO, A.I.E. / CENTRALES NUCLEARES ALMARAZ-TRILLO, A.I.E.

Waste management facilities that are located at this site:

## Site (Structure) : ALMARAZ

Country: SPAIN

Reporting Year: 2013

|                     |  |
|---------------------|--|
| <b>Facility:</b>    | <b>RBMA</b>  |
| <b>Description:</b> | Low and Intermediate level waste management facility |

**Storage part of facility RBMA**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                   |    |
|-------------------|----|
| <b>List SRS?</b>  | No |
| <b>List UMMT?</b> | No |

|                  |  |
|------------------|--|
| <b>Capacity:</b> | Buffer storage for subsequent disposal |
|------------------|--|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| ALMACEN           | building  | 1983        | No      | No    | No       | No            |

**Processing part of facility RBMA**

The following shows processing status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                     |                         |
|---------------------|-------------------------|
| <b>Type:</b>        | Treatment, Conditioning |
| <b>Year opened:</b> | 1981                    |

## Site (Structure) : ASCO

Country: SPAIN

Reporting Year: 2013

Full Name: CENTRAL NUCLEAR DE ASCO (ASCO I-II NPP)

Description:

Official Website:

License Holder(s): ASCO 1: ENDESA GENERACIÓN S.A.  
ASCO 2: ENDESA GENERACION S.A (85%), IBERDROLA GENERACION S.A. (15 %)  
/ ASOCIACION NUCLEAR ASCO-VANDELLOS II, A.I.E.  
ASCO 1: ENDESA GENERACIÓN S.A.  
ASCO 2: ENDESA GENERACION S.A (85%), IBERDROLA GENERACION S.A. (15 %)  
/ ASOCIACION NUCLEAR ASCO-VANDELLOS II, A.I.E.

Waste management facilities that are located at this site:

## Site (Structure) : ASCO

Country: SPAIN

Reporting Year: 2013

|                     |             |
|---------------------|-------------|
| <b>Facility:</b>    | <b>RBMA</b> |
| <b>Description:</b> | LILW        |

**Storage part of facility RBMA**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                   |    |
|-------------------|----|
| <b>List SRS?</b>  | No |
| <b>List UMMT?</b> | No |

|                  |  |
|------------------|--|
| <b>Capacity:</b> | Buffer storage for subsequent disposal |
|------------------|--|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| ALMACEN           | building  | 1983        | No      | No    | No       | Yes           |

**Processing part of facility RBMA**

The following shows processing status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                     |                         |
|---------------------|-------------------------|
| <b>Type:</b>        | Treatment, Conditioning |
| <b>Year opened:</b> | 1983                    |



## Site (Structure) : COFRENTES

Country: SPAIN

Reporting Year: 2013

Full Name: CENTRAL NUCLEAR DE COFRENTES (COFRENTES NPP)

Description:

Official Website:

License Holder(s): IBERDROLA GENERACION S.A.

Waste management facilities that are located at this site:

## Site (Structure) : COFRENTES

Country: SPAIN

Reporting Year: 2013

|                     |             |
|---------------------|-------------|
| <b>Facility:</b>    | <b>RBMA</b> |
| <b>Description:</b> | LILW        |

**Storage part of facility RBMA**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                   |    |
|-------------------|----|
| <b>List SRS?</b>  | No |
| <b>List UMMT?</b> | No |

|                  |  |
|------------------|--|
| <b>Capacity:</b> | Buffer storage for subsequent disposal |
|------------------|--|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| ALMACEN           | building  | 1984        | No      | No    | No       | No            |

**Processing part of facility RBMA**

The following shows processing status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                     |                         |
|---------------------|-------------------------|
| <b>Type:</b>        | Treatment, Conditioning |
| <b>Year opened:</b> | 1984                    |

## Site (Structure) : GAROÑA

Country: SPAIN

Reporting Year: 2013

Full Name: CENTRAL NUCLEAR SANTA MARIA DE GAROÑA (SANTA MARIA DE GAROÑA NPP)

Description:

Official Website:

License Holder(s): NUCLENOR S.A.(IBERDROLA GENERACION S.A. (50%); ENDESA GENERACION, S.A. 50%) / NUCLENOR S.A.  
NUCLENOR S.A.(IBERDROLA GENERACION S.A. (50%); ENDESA GENERACION, S.A. 50%) / NUCLENOR S.A.

Waste management facilities that are located at this site:

## Site (Structure) : GAROÑA

Country: SPAIN

Reporting Year: 2013

|                     |             |
|---------------------|-------------|
| <b>Facility:</b>    | <b>RBMA</b> |
| <b>Description:</b> | LILW        |

**Storage part of facility RBMA**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                   |    |
|-------------------|----|
| <b>List SRS?</b>  | No |
| <b>List UMMT?</b> | No |

|                  |  |
|------------------|--|
| <b>Capacity:</b> | Buffer storage for subsequent disposal |
|------------------|--|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| ALMACEN           | building  | 1971        | No      | No    | No       | No            |

**Processing part of facility RBMA**

The following shows processing status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                     |                         |
|---------------------|-------------------------|
| <b>Type:</b>        | Treatment, Conditioning |
| <b>Year opened:</b> | 1971                    |

## Site (Structure) : TRILLO

Country: SPAIN

Reporting Year: 2013

Full Name: CENTRAL NUCLEAR DE TRILLO (TRILLO NPP)

Description:

Official Website:

License Holder(s): IBERDROLA GENERACION, S.A. (48%); UNION FENOSA GENERACION, S.A. (34,5%); HIDROCANTABRICO (15,5%); NUCLENOR S.A. (2%) / CENTRALES NUCLEARES ALMARAZ-TRILLO, A.I.E.

IBERDROLA GENERACION, S.A. (48%); UNION FENOSA GENERACION, S.A. (34,5%); HIDROCANTABRICO (15,5%); NUCLENOR S.A. (2%) / CENTRALES NUCLEARES ALMARAZ-TRILLO, A.I.E.

Waste management facilities that are located at this site:

## Site (Structure) : TRILLO

Country: SPAIN

Reporting Year: 2013

|                     |             |
|---------------------|-------------|
| <b>Facility:</b>    | <b>RBMA</b> |
| <b>Description:</b> | LILW        |

**Storage part of facility RBMA**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                   |    |
|-------------------|----|
| <b>List SRS?</b>  | No |
| <b>List UMMT?</b> | No |

|                  |  |
|------------------|--|
| <b>Capacity:</b> | Buffer storage for subsequent disposal |
|------------------|--|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| ALMACEN           | building  | 1988        | No      | No    | No       | No            |

**Processing part of facility RBMA**

The following shows processing status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                     |                         |
|---------------------|-------------------------|
| <b>Type:</b>        | Treatment, Conditioning |
| <b>Year opened:</b> | 1988                    |

## Site (Structure) : VANDELLOS

Country: SPAIN

Reporting Year: 2013

Full Name: CENTRAL NUCLEAR DE VANDELLOS 2 (VANDELLOS 2 NPP)

Description:

Official Website:

License Holder(s): ENDESA GENERACION, S.A.(72%), IBERDROLA GENERACION, S.A.(28%) /  
ASOCIACION NUCLEAR ASCO-ANDELLOS II, A.I.E.  
ENDESA GENERACION, S.A.(72%), IBERDROLA GENERACION, S.A.(28%) /  
ASOCIACION NUCLEAR ASCO-ANDELLOS II, A.I.E.

Waste management facilities that are located at this site:

## Site (Structure) : VANDELLOS

Country: SPAIN

Reporting Year: 2013

|                     |             |
|---------------------|-------------|
| <b>Facility:</b>    | <b>RBMA</b> |
| <b>Description:</b> | LILW        |

**Storage part of facility RBMA**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                   |    |
|-------------------|----|
| <b>List SRS?</b>  | No |
| <b>List UMMT?</b> | No |

|                  |  |
|------------------|--|
| <b>Capacity:</b> | Buffer storage for subsequent disposal |
|------------------|--|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| ALMACEN           | building  | 1988        | No      | No    | No       | No            |

**Processing part of facility RBMA**

The following shows processing status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                     |                         |
|---------------------|-------------------------|
| <b>Type:</b>        | Treatment, Conditioning |
| <b>Year opened:</b> | 1988                    |



## Site (Structure) : CIEMAT

Country: SPAIN

Reporting Year: 2013

Full Name: CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y  
TECNOLOGICAS (CIEMAT)

Description:

Official Website:

License Holder(s): CIEMAT

Waste management facilities that are located at this site:

## Site (Structure) : CIEMAT

Country: SPAIN

Reporting Year: 2013

|                     |      |
|---------------------|------|
| <b>Facility:</b>    | RMBA |
| <b>Description:</b> | LILW |

**Storage part of facility RMBA**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                   |    |
|-------------------|----|
| <b>List SRS?</b>  | No |
| <b>List UMMT?</b> | No |

|                  |  |
|------------------|--|
| <b>Capacity:</b> |  |
|------------------|--|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| ALMACEN           | building  | 1970        | No      | No    | No       | Yes           |
| ALMACEN 2         | building  | 2005        | No      | No    | No       | No            |
| ALMACEN 3         | building  | 2005        | No      | No    | No       | No            |

**Processing part of facility RMBA**

The following shows processing status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                     |                         |
|---------------------|-------------------------|
| <b>Type:</b>        | Treatment, Conditioning |
| <b>Year opened:</b> | 1970                    |

## Site (Structure) : EL CABRIL

Country: SPAIN

Reporting Year: 2013

Full Name: INSTALACION DE ALMACENAMIENTO DE RESIDUOS DE BAJA Y MEDIA ACTIVIDAD DE SIERRA ALBARRANA (EL CABRIL LILW DISPOSAL FACILITY)

Waste storage installation of low and intermediate level waste. Albarrana SAW (The disposal facility CABRIL LILW)

Description:

Official Website:

License Holder(s): The owner and operator of the facility is ENRESA (Empresa Nacional de Residuos Radiactivos S.A.), a State owned company set up in 1984 by the Spanish Government to manage all types of radioactive wastes arising from Spanish nuclear facilities.

Waste management facilities that are located at this site:

|  |  |                |
|--|--|----------------|
| <b>Facility:</b>   | <b>BLOQ</b>  |                |
| <b>Description:</b>  | FACILITY FOR PLACING THE WASTE PACKAGES IN CONCRETE CONTAINER AND GROUTING TO IMMOBILIZE |                |
| <b>Processing part of facility</b>                               | <b>BLOQ</b>  |                |
| The following shows processing status for waste classes and SRS. |  |                |
| <b>Waste Class</b>   | <b>Actual</b>  | <b>Planned</b> |
| RBBA   | No   | No             |
| RBMA   | Yes  | No             |
| RAA  | No   | No             |
| RE   | No   | No             |
| <b>Type:</b>   | Conditioning   |                |
| <b>Year opened:</b>  | 1993   |                |

## Site (Structure) : EL CABRIL

Country: SPAIN

Reporting Year: 2013

| <b>Facility:</b>  | <b>COMP</b>    |         |         |      |     |    |      |     |    |     |    |    |    |    |    |  |
|---|----------------|---------|---------|------|-----|----|------|-----|----|-----|----|----|----|----|----|--|
| Description:  | SUPERCOMPACTOR |         |         |      |     |    |      |     |    |     |    |    |    |    |    |  |
| <b>Processing part of facility</b>  | <b>COMP</b>    |         |         |      |     |    |      |     |    |     |    |    |    |    |    |  |
| The following shows processing status for waste classes and SRS.  |                |         |         |      |     |    |      |     |    |     |    |    |    |    |    |  |
| <table border="1"><thead><tr><th>Waste Class</th><th>Actual</th><th>Planned</th></tr></thead><tbody><tr><td>RBBA</td><td>Yes</td><td>No</td></tr><tr><td>RBMA</td><td>Yes</td><td>No</td></tr><tr><td>RAA</td><td>No</td><td>No</td></tr><tr><td>RE</td><td>No</td><td>No</td></tr></tbody></table> | Waste Class    | Actual  | Planned | RBBA | Yes | No | RBMA | Yes | No | RAA | No | No | RE | No | No |  |
| Waste Class   | Actual         | Planned |         |      |     |    |      |     |    |     |    |    |    |    |    |  |
| RBBA  | Yes            | No      |         |      |     |    |      |     |    |     |    |    |    |    |    |  |
| RBMA  | Yes            | No      |         |      |     |    |      |     |    |     |    |    |    |    |    |  |
| RAA   | No             | No      |         |      |     |    |      |     |    |     |    |    |    |    |    |  |
| RE  | No             | No      |         |      |     |    |      |     |    |     |    |    |    |    |    |  |
| Type:   | Treatment      |         |         |      |     |    |      |     |    |     |    |    |    |    |    |  |
| Year opened:  | 1993           |         |         |      |     |    |      |     |    |     |    |    |    |    |    |  |

## Site (Structure) : EL CABRIL

Country: SPAIN

Reporting Year: 2013

|                     |                         |
|---------------------|-------------------------|
| <b>Facility:</b>    | <b>COND BLG</b>         |
| <b>Description:</b> | CAFACITY USED AS BUFFER |

**Storage part of facility                      COND BLG**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | No     | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                   |    |
|-------------------|----|
| <b>List SRS?</b>  | No |
| <b>List UMMT?</b> | No |

|                  |  |
|------------------|--|
| <b>Capacity:</b> |  |
|------------------|--|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| BUFFER            | building  | 1993        | No      | No    | No       | No            |

## Site (Structure) : EL CABRIL

Country: SPAIN

Reporting Year: 2013

|   |                  |                    |                |              |                 |                      |
|---|------------------|--------------------|----------------|--------------|-----------------|----------------------|
| <b>Facility:</b>  | ERT              |                    |                |              |                 |                      |
| <b>Description:</b>   |                  |                    |                |              |                 |                      |
| <b>Storage part of facility</b>                               |                  | <b>ERT</b>         |                |              |                 |                      |
| The following shows storage status for waste classes and SRS. |                  |                    |                |              |                 |                      |
| <b>Waste Class</b>  | <b>Actual</b>    | <b>Planned</b>     |                |              |                 |                      |
| RBBA  | No               | No                 |                |              |                 |                      |
| RBMA  | Yes              | No                 |                |              |                 |                      |
| RAA   | No               | No                 |                |              |                 |                      |
| RE  | No               | No                 |                |              |                 |                      |
| <b>List SRS?</b>  | No               |                    |                |              |                 |                      |
| <b>List UMMT?</b>   | No               |                    |                |              |                 |                      |
| <b>Capacity:</b>  |                  |                    |                |              |                 |                      |
| <b>Types of Storage Units</b>                                 |                  |                    |                |              |                 |                      |
| <b>Storage Unit Name</b>                                      | <b>Type Name</b> | <b>Year Opened</b> | <b>Closed?</b> | <b>Full?</b> | <b>Modular?</b> | <b>Contains SRS?</b> |
| ERT   | building         | 1993               | No             | No           | No              | No                   |

## Site (Structure) : EL CABRIL

Country: SPAIN

Reporting Year: 2013

| <b>Facility:</b>   | <b>INC</b>  |         |         |      |    |    |      |     |    |     |    |    |    |    |    |  |
|--|-------------|---------|---------|------|----|----|------|-----|----|-----|----|----|----|----|----|--|
| Description:   | INCINERATOR |         |         |      |    |    |      |     |    |     |    |    |    |    |    |  |
| <b>Processing part of facility</b>   | <b>INC</b>  |         |         |      |    |    |      |     |    |     |    |    |    |    |    |  |
| The following shows processing status for waste classes and SRS.   |             |         |         |      |    |    |      |     |    |     |    |    |    |    |    |  |
| <table border="1"><thead><tr><th>Waste Class</th><th>Actual</th><th>Planned</th></tr></thead><tbody><tr><td>RBBA</td><td>No</td><td>No</td></tr><tr><td>RBMA</td><td>Yes</td><td>No</td></tr><tr><td>RAA</td><td>No</td><td>No</td></tr><tr><td>RE</td><td>No</td><td>No</td></tr></tbody></table> | Waste Class | Actual  | Planned | RBBA | No | No | RBMA | Yes | No | RAA | No | No | RE | No | No |  |
| Waste Class  | Actual      | Planned |         |      |    |    |      |     |    |     |    |    |    |    |    |  |
| RBBA   | No          | No      |         |      |    |    |      |     |    |     |    |    |    |    |    |  |
| RBMA   | Yes         | No      |         |      |    |    |      |     |    |     |    |    |    |    |    |  |
| RAA  | No          | No      |         |      |    |    |      |     |    |     |    |    |    |    |    |  |
| RE   | No          | No      |         |      |    |    |      |     |    |     |    |    |    |    |    |  |
| Type:  | Treatment   |         |         |      |    |    |      |     |    |     |    |    |    |    |    |  |
| Year opened:   | 1993        |         |         |      |    |    |      |     |    |     |    |    |    |    |    |  |

## Site (Structure) : EL CABRIL

Country: SPAIN

Reporting Year: 2013

|                     |  |
|---------------------|--|
| <b>Facility:</b>    | <b>IR ZONE</b>                               |
| <b>Description:</b> | DIFFERENT STORES FOR RECEPTION OF MIR WASTES |

**Storage part of facility****IR ZONE**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | No     | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|            |    |
|------------|----|
| List SRS?  | No |
| List UMMT? | No |

|           |  |
|-----------|--|
| Capacity: |  |
|-----------|--|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| RECEPTION         | building  | 1992        | No      | No    | No       | Yes           |



## Site (Structure) : EL CABRIL

Country: SPAIN

Reporting Year: 2013

|                                       |   |
|---------------------------------------|---|
| <b>Facility:</b>                      | <b>LILW CELDA</b>   |
| <b>Description:</b>                   | NEAR SURFACE DISPOSAL WITH ENGINEERED BARRIERS. WASTE PLACED IN REINFORCED CONCRETE CONTAINERS IN THE DISPOSAL CELLS  |
| <b>Detailed Facility Description:</b> | <p>The disposal area of the Centre consists of two esplanades or platforms housing the disposal structures. The North platform houses 16 structures and the South platform 12, arranged in two rows. Type and number of disposal units:</p> <p>Altogether there are 28 vaults;</p> <p>Dimensions: one vault has dimensions 22.5 m x 18 m x 9 m;</p> <p>Capacity: 3,650 m<sup>3</sup>;</p> <p>Barriers: Bottom of the vault is of watertight reinforced concrete, allowing collection and drainage via a system of pipes installed in an accessible gallery running below the support plates; side walls and the upper closure slab is also of reinforced concrete.</p>  |
| <b>Waste Packages:</b>                | <p>The typical primary waste package is the 0.22 m<sup>3</sup> metallic drum. The type of container more frequently used has external dimensions of 2.25 x 2.25 x 2.20 m and houses 18 drums.</p> <p>LILW of the following types: (a) solid or solidified wastes (resins, filters, evaporator concentrates, filtration sludges) from the operation of nuclear facilities, (b) solid technological wastes (gloves, tools) from the operation and dismantling of nuclear facilities, (c) miscellaneous solids and liquids from the application of radioisotopes at radioactive industrial, medical and research facilities, and (d) secondary solid or liquid wastes from the activities performed at El Cabril</p>               |
| <b>Facility Operation:</b>            | <p>The operating structures are protected by a mobile roof, for which rails have been installed along each row for its displacement. The roofing structure also supports the maintenance system. After being accepted, all primary waste packages are transported to the El Cabril facility by road and shipped to the facility for subsequent treatment and conditioning. Conditioned and packaged wastes are emplaced into the disposal structures; once the vault is filled, the gaps between containers are filled with gravel and sealed with a reinforced concrete slab that will isolate the wastes contained till the long-term coverage is provided after the conclusion of the disposal operations in the centre.</p> |
| <b>Financing:</b>                     | The financing scheme in force establishes the setting up of a fund for financing of the activities covered by the General Radioactive Waste Plan.   |

## Site (Structure) : EL CABRIL

Country: SPAIN

Reporting Year: 2013

**Disposal part of facility**                      **LILW CELDA**

The following shows disposal status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | No     | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|            |    |
|------------|----|
| List SRS?  | No |
| List UMMT? | No |

|                         |                    |                        |       |
|-------------------------|--------------------|------------------------|-------|
| Type:                   | engineered surface |                        |       |
| Facility is modular?    | No                 |                        |       |
| Capacity existing (m3): | 50000              | Capacity planned (m3): | 50000 |

|            |   |              |   |
|------------|---|--------------|---|
| Depth (m): | 9 | Host medium: | sedimentary rock<br>(consolidated clay) |
|------------|---|--------------|---|

| Phase Name                         | Start Year | End Year | Estimate |
|------------------------------------|------------|----------|----------|
| planning and/or concept assessment | 1986       | 1987     | False    |
| site selection                     | 1986       | 1987     | False    |
| design                             | 1988       | 1989     | False    |
| construction                       | 1989       | 1992     | False    |
| commissioning                      | 1992       | 1992     | False    |
| operation                          | 1993       | 0        | False    |
| closure                            | 2024       | 0        | True     |
| institutional control              | 2324       | 0        | True     |

Comment                      **# 23037: capacity**

The total capacity of the 28 vaults is for 100,000 m3 equivalent to around 50,000 m3 as delivered by the producers

## Site (Structure) : EL CABRIL

Country: SPAIN

Reporting Year: 2013

|   |  |                    |                |              |                 |                      |
|---|--|--------------------|----------------|--------------|-----------------|----------------------|
| <b>Facility:</b>  | <b>MODULOS</b>   |                    |                |              |                 |                      |
| Description:  |  |                    |                |              |                 |                      |
| <b>Storage part of facility</b>                               |  | <b>MODULOS</b>     |                |              |                 |                      |
| The following shows storage status for waste classes and SRS. |  |                    |                |              |                 |                      |
| <b>Waste Class</b>  | <b>Actual</b>  | <b>Planned</b>     |                |              |                 |                      |
| RBBA  | Yes  | No                 |                |              |                 |                      |
| RBMA  | Yes  | No                 |                |              |                 |                      |
| RAA   | No   | No                 |                |              |                 |                      |
| RE  | No   | No                 |                |              |                 |                      |
| List SRS?   | No   |                    |                |              |                 |                      |
| List UMMT?  | No   |                    |                |              |                 |                      |
| Capacity:   | This facility (three warehouses) is used to store legacy packages pending for characterization for acceptance and transfer to the disposal centre. |                    |                |              |                 |                      |
| Types of Storage Units  |  |                    |                |              |                 |                      |
| <b>Storage Unit Name</b>                                      | <b>Type Name</b>   | <b>Year Opened</b> | <b>Closed?</b> | <b>Full?</b> | <b>Modular?</b> | <b>Contains SRS?</b> |
| MODULOS   | building   | 1982               | No             | No           | No              | Yes                  |

## Site (Structure) : EL CABRIL

Country: SPAIN

Reporting Year: 2013

|                     |   |
|---------------------|---|
| <b>Facility:</b>    | <b>TECNOLOGIC</b>   |
| <b>Description:</b> | PROVIDING SERVICES FOR CONDITIONING AND BUFFER STORAGE OF VLLW PACKAGES |

**Storage part of facility                      TECNOLOGIC**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | No     | No      |
| RBMA        | No     | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                   |    |
|-------------------|----|
| <b>List SRS?</b>  | No |
| <b>List UMMT?</b> | No |

|                  |                |
|------------------|----------------|
| <b>Capacity:</b> | BUFFER STORAGE |
|------------------|----------------|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| ALMACEN           | building  | 2007        | No      | No    | No       | No            |

**Processing part of facility                      TECNOLOGIC**

The following shows processing status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | No     | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                     |              |
|---------------------|--------------|
| <b>Type:</b>        | Conditioning |
| <b>Year opened:</b> | 2008         |

## Site (Structure) : EL CABRIL

Country: SPAIN

Reporting Year: 2013

|                     |  |
|---------------------|--|
| <b>Facility:</b>    | <b>VLLW CELDA</b>                            |
| <b>Description:</b> | DEDICATED AREA FOR DISPOSAL OF VLLW PACKAGES |

**Disposal part of facility VLLW CELDA**

The following shows disposal status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | No     | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|            |    |
|------------|----|
| List SRS?  | No |
| List UMMT? | No |

|                         |                         |                        |        |
|-------------------------|-------------------------|------------------------|--------|
| Type:                   | engineered near surface |                        |        |
| Facility is modular?    | Yes                     |                        |        |
| Capacity existing (m3): | 35000                   | Capacity planned (m3): | 120000 |

|            |    |              |                     |
|------------|----|--------------|---------------------|
| Depth (m): | 10 | Host medium: | sedimentary (other) |
|------------|----|--------------|---------------------|

| Phase Name            | Start Year | End Year | Estimate |
|-----------------------|------------|----------|----------|
| site selection        | 2002       |          | False    |
| design                | 2003       | 2004     | False    |
| construction          | 2005       | 2007     | False    |
| commissioning         | 2003       | 2006     | False    |
| operation             | 2007       | 2038     | True     |
| closure               | 2039       | 2039     | True     |
| institutional control | 2040       | 2100     | True     |

## Site (Structure) : VANDELLOS

Country: SPAIN

Reporting Year: 2013

Full Name: CENTRAL NUCLEAR EN DESMANTELAMIENTO DE VANDELLOS I (VANDELLOS I NPP UNDER DORMANCY)

Description:

Official Website:

License Holder(s): ENRESA

Waste management facilities that are located at this site:

|                     |                                |
|---------------------|--------------------------------|
| <b>Facility:</b>    | <b>VANDELLOS</b>               |
| <b>Description:</b> | Only for decommissioning waste |

**Storage part of facility VANDELLOS**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | Yes    | No      |
| RE          | No     | No      |

|            |    |
|------------|----|
| List SRS?  | No |
| List UMMT? | No |

|           |  |
|-----------|--|
| Capacity: |  |
|-----------|--|

Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| ATOC              | building  | 2003        | No      | Yes   | No       | No            |
| DGT               | building  | 2003        | No      | Yes   | No       | No            |

## Site (Structure) : ZORITA

Country: SPAIN

Reporting Year: 2013

Full Name: CENTRAL NUCLEAR JOSE CABRERA

Description:

Official Website:

License Holder(s): UNION FENOSA

Comment # 22719: Transference to ENRESA

Once shutdown, this facility was transferred by the utility UNION FENOSA to ENRESA according to Spanish legislation that assigns to ENRESA the responsibility for the decommissioning and dismantling of Nuclear installations

Waste management facilities that are located at this site:

## Site (Structure) : ZORITA

Country: SPAIN

Reporting Year: 2013

|                  |             |
|------------------|-------------|
| <b>Facility:</b> | <b>RBMA</b> |
| Description:     |             |

**Storage part of facility RBMA**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|            |    |
|------------|----|
| List SRS?  | No |
| List UMMT? | No |

|           |  |
|-----------|--|
| Capacity: |  |
|-----------|--|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| almacen           | building  | 1970        | No      | No    | No       | No            |

**Processing part of facility RBMA**

The following shows processing status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|              |                         |
|--------------|-------------------------|
| Type:        | Treatment, Conditioning |
| Year opened: | 1970                    |



## Site (Structure) : Juzbado

Country: SPAIN

Reporting Year: 2013

Full Name: FABRICA DE ELEMENTOS COMBUSTIBLES (NUCLEAR FUEL ASSEMBLIES  
MANUFACTURING PLANT)

Description:

Official Website:

License Holder(s): ENUSA

Waste management facilities that are located at this site:

## Site (Structure) : Juzbado

Country: SPAIN

Reporting Year: 2013

|                     |             |
|---------------------|-------------|
| <b>Facility:</b>    | <b>RMBA</b> |
| <b>Description:</b> | LILW        |

**Storage part of facility RMBA**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | Yes    | No      |
| RBMA        | Yes    | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                   |    |
|-------------------|----|
| <b>List SRS?</b>  | No |
| <b>List UMMT?</b> | No |

|                  |  |
|------------------|--|
| <b>Capacity:</b> | Buffer storage for subsequent disposal |
|------------------|--|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| STORAGE           | building  | 1985        | No      | No    | No       | No            |

**Processing part of facility RMBA**

The following shows processing status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| RBBA        | No     | No      |
| RBMA        | No     | No      |
| RAA         | No     | No      |
| RE          | No     | No      |

|                     |                         |
|---------------------|-------------------------|
| <b>Type:</b>        | Treatment, Conditioning |
| <b>Year opened:</b> | 1985                    |

## Site (Structure) : NT

Country: SPAIN

Reporting Year: 2013

Full Name:

Description:

Official Website:

License Holder(s):

Waste management facilities that are located at this site:

|  |                         |                 |                             |
|--|-------------------------|-----------------|-----------------------------|
| <b>Facility:</b>   | <b>ND</b>               |                 |                             |
| Description:   |                         |                 |                             |
| <b>Disposal part of facility</b>                               | <b>ND</b>               |                 |                             |
| The following shows disposal status for waste classes and SRS. |                         |                 |                             |
| <b>Waste Class</b>   | <b>Actual</b>           | <b>Planned</b>  |                             |
| RBBA   | Yes                     | No              |                             |
| RBMA   | Yes                     | No              |                             |
| RAA  | No                      | No              |                             |
| RE   | No                      | No              |                             |
| List SRS?  | No                      |                 |                             |
| List UMMT?   | No                      |                 |                             |
| Type:  | engineered near surface |                 |                             |
| Facility is modular?   | No                      |                 |                             |
| Depth (m):   |                         | Host medium:    | unknown (site not selected) |
| <b>Phase Name</b>  | <b>Start Year</b>       | <b>End Year</b> | <b>Estimate</b>             |

## Site (Structure) : NT

Country: SPAIN

Reporting Year: 2013

|   |               |                |  |
|---|---------------|----------------|--|
| <b>Facility:</b>  | <b>NS</b>     |                |  |
| Description:  |               |                |  |
| <b>Storage part of facility</b> <b>NS</b>                     |               |                |  |
| The following shows storage status for waste classes and SRS. |               |                |  |
| <b>Waste Class</b>  | <b>Actual</b> | <b>Planned</b> |  |
| RBBA  | Yes           | No             |  |
| RBMA  | Yes           | No             |  |
| RAA   | Yes           | No             |  |
| RE  | Yes           | No             |  |
| List SRS?   | No            |                |  |
| List UMMT?  | No            |                |  |
| Capacity:   |               |                |  |

## Site (Data) : NT

Stock of waste as at December 2013

Country: SPAIN

Reporting Year: 2013

Site Name: NT

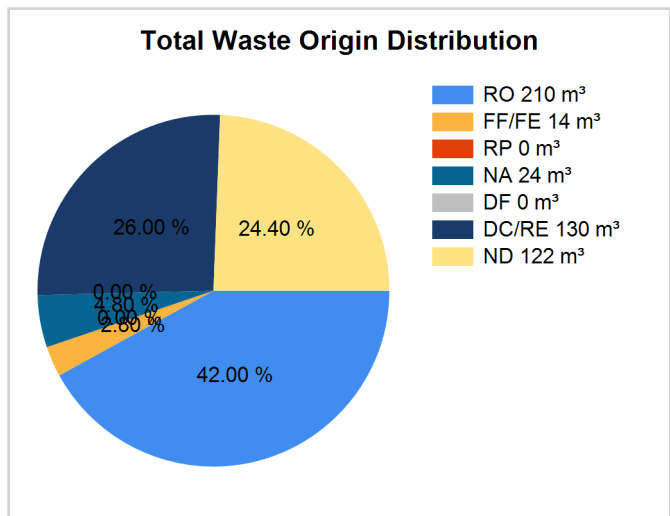
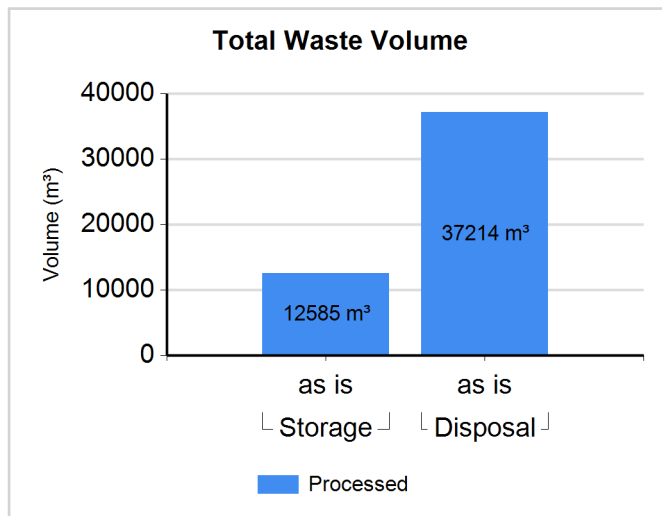
Full Name:

Inventory Reporting Date: December 2013

Waste Matrix Used: SPAIN

## Waste Inventory

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

## Waste Class: RBBA

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m³) | Volume "as dispo" (m³) | RO %  | FF/FE % | RP % | NA % | DF % | DC/RE % | ND %  |
|------------------|---------------------|------|------|---------------------|------------------------|-------|---------|------|------|------|---------|-------|
| RBBA             | Storage             | Y    | N    | 5064.000            | 5064.000               | 19.00 | 3.00    | 0.00 | 4.00 | 0.00 | 14.00   | 60.00 |
| RBBA             | Disposal            | Y    | N    | 7612.000            | 7612.000               | 24.00 | 4.00    | 0.00 | 8.00 | 0.00 | 4.00    | 60.00 |

## Waste Class: RBMA

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m³) | Volume "as dispo" (m³) | RO %  | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|---------------------|------|------|---------------------|------------------------|-------|---------|------|------|------|---------|------|
| RBMA             | Storage             | Y    | N    | 7494.000            | 7494.000               | 84.00 | 4.00    | 0.00 | 6.00 | 0.00 | 6.00    | 0.00 |
| RBMA             | Disposal            | Y    | N    | 29602.000           | 29602.000              | 83.00 | 3.00    | 0.00 | 6.00 | 0.00 | 6.00    | 2.00 |

## Waste Class: RE

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m³) | Volume "as dispo" (m³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|---------------------|------|------|---------------------|------------------------|------|---------|------|------|------|---------|------|
| RE               | Storage             | Y    | N    | 27.000              | 27.000                 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 100.00  | 0.00 |

## Regulators

Country: SPAIN

Reporting Year: 2013

|               |   |
|---------------|---|
| <b>Name:</b>  | <b>CSN</b>  |
| Full Name:    | Consejo de Seguridad Nuclear (Nuclear Safety Council) |
| Divison:      |   |
| City or Town: | Madrid  |
| Main Website: |   |

|               |  |
|---------------|--|
| <b>Name:</b>  | <b>MITyC</b>   |
| Full Name:    | Ministerio de Industria, Turismo y Comercio (Ministry for Industry, Tourism and Trade)             |
| Divison:      | Dirección General de Política Energética y Minas (Directorate General for Energy Policy and Mines) |
| City or Town: | Madrid   |
| Main Website: |  |

|               |  |
|---------------|--|
| <b>Name:</b>  | <b>MARM</b>  |
| Full Name:    | Ministerio de Medio Ambiente y Medio Rural y Marino (Ministry of the Environment and Rural and Marine affairs)     |
| Divison:      | Dirección General de Calidad y Evaluación Ambiental (Directorate General for Environmental Quality and Assessment) |
| City or Town: | Madrid   |
| Main Website: |  |

Attachment #1819: Regulator

Institutional chart.ppt

## Regulations / Laws

Country: SPAIN

Reporting Year: 2013

|  |  |            |
|--|--|------------|
| <b>Name:</b>                           | <b>RD 1349/03</b>  |            |
| <b>Title or Name:</b>                  | ROYAL DECREE 1349/2003, of 31st October, on the governance of activities performed by the Empresa Nacional de Residuos Radiactivos, S.A. (ENRESA) and their financing. |            |
| <b>Reference Number:</b>               | Official State Gazette 268   |            |
| <b>Date Promulgated or Proclaimed:</b> | 10/31/2003   | Regulation |

Attachment **#846: Regulation**

RD 1349-2003.pdf

Royal Decree 1349/2003 (in Spanish)

Attachment **#1820: Regulation**

RD 1349-2003 ingles.doc

Royal Decree 1349/2003 in English

|  |  |     |
|--|--|-----|
| <b>Name:</b>                           | <b>LAW 15/80</b>   |     |
| <b>Title or Name:</b>                  | LAW 15/1980, of April 22nd, creating the Nuclear Safety Council, ammended by LAW 33/2007 |     |
| <b>Reference Number:</b>               | Official State Gazette 100 1980-04-25  |     |
| <b>Date Promulgated or Proclaimed:</b> | 4/22/1980  | Law |

Comment **# 20318: Regulation LAW 15/80**

This Law constitutes the CSN as sole organisation responsible for nuclear safety and radiation protection, the Council being independent from the Government and the rest of the Administration and having the power to carry out the necessary inspections and assessments of nuclear and radioactive installations in order to guarantee the nuclear safety and radiological protection.

Attachment **#1817: Regulation**

Law 33-2007 CSN.doc

Attachment **#1823: Regulation**

Ley 33-2007 CSN.pdf

Ley 33/2007 (in Spanish)

Attachment **#1824: Regulation**

Ley 15-1980 creación del CSN.pdf

Ley creación CSN (in Spanish)

## Regulations / Laws

Country: SPAIN

Reporting Year: 2013

|  |   |            |
|--|---|------------|
| <b>Name:</b>                           | <b>RD 1836/99</b>   |            |
| <b>Title or Name:</b>                  | ROYAL DECREE 1836/199, of December 3, approving the regulation on Nuclear and Radioactive facilities, modified by ROYAL DECREE 35/2008, of January 18th |            |
| <b>Reference Number:</b>               | Official State Gazette 313 199-12-31  |            |
| <b>Date Promulgated or Proclaimed:</b> | 12/3/1999   | Regulation |

Comment **# 20317: Regulation RD 1836/99**

The Regulation on Nuclear and Radioactive Facilities is the most important of the standards for enactment of the Nuclear Energy Act. It establishes the procedure for licensing of facilities at which nuclear and radioactive activities are carried out. It defines in detail the types and categories of such activities and establishes as a general standard that the installations are subjected to a system of authorisation to be awarded.

Attachment **#1821: Regulation**

Reglamento instalaciones nucleares ya radiactivas inrcomparativa170308.pdf

Comparative version between Royal Decree 1836/1999 updated by Royal Decree 35/2008 (In Spanish)

|  |  |            |
|--|--|------------|
| <b>Name:</b>                           | <b>RD 413/97</b>   |            |
| <b>Title or Name:</b>                  | ROYAL DECREE 413/1997, of March 21st, on the operational protection of off-site workers running the risk of exposure to ionising radiations intervening in the controlled zone |            |
| <b>Reference Number:</b>               | Official State Gazette num 91 1997-04-16   |            |
| <b>Date Promulgated or Proclaimed:</b> | 4/16/1997  | Regulation |

Attachment **#1818: Regulation**

RD 413 de 1997 Proteccion trabajadores externos profesionalmente expuestos[1].pdf

|  |   |     |
|--|---|-----|
| <b>Name:</b>                           | <b>ACT 54/97</b>  |     |
| <b>Title or Name:</b>                  | ACT 54/1997, of November 27th, of Electricity Sector (Electricity Sector Act), modified by ACT 17/2007, of July 4th |     |
| <b>Reference Number:</b>               | Official State Gazette 285 1997-11-28   |     |
| <b>Date Promulgated or Proclaimed:</b> | 11/27/1997  | Law |

Attachment **#1221: Regulation**

Electricity Industry Act 54 1997.doc

Definition of radioactive waste and coverage



## Regulations / Laws

Country: SPAIN

Reporting Year: 2013

|                                 |   |     |
|---------------------------------|---|-----|
| <b>Name:</b>                    | <b>ACT 14/99</b>  |     |
| Title or Name:                  | ACT 14/1999, of May 4th, on Taxes and Public Prices for services rendered by the Nuclear Safety Council (CSN) |     |
| Reference Number:               | Official State Gazette 107 1999-05-05   |     |
| Date Promulgated or Proclaimed: | 5/4/1999  | Law |

Attachment **#1825: Regulation**

NUCLEAR SAFETY COUNCIL ACT 14-1999.doc

ACT 14/1999 on Taxes and Public Prices for services rendered by the Nuclear Safety Council (In English) for the financing of RWM activities not included under the umbrella of the corresponding GRWP

|                                 |   |            |
|---------------------------------|---|------------|
| <b>Name:</b>                    | <b>RD 640/200</b>   |            |
| Title or Name:                  | ROYAL DECREE 1226/2010, of October 1st, that approves the basic organic structure of the Ministry for Industry, Tourism and Trade |            |
| Reference Number:               | Official State Gazette 240 2010-10-04   |            |
| Date Promulgated or Proclaimed: | 10/4/2010   | Regulation |

|                                 |  |            |
|---------------------------------|--|------------|
| <b>Name:</b>                    | <b>OR JULY 98</b>  |            |
| Title or Name:                  | ORDER of July 13th 1998, partially modified by ORDER of June 21st 2001 |            |
| Reference Number:               | Official State Gazette 170 1998-07-17                                  |            |
| Date Promulgated or Proclaimed: | 7/13/1998  | Regulation |

Comment **# 20319: Regulation OR JULY 98**

Order authorising ENRESA to the assignment of funds to Town Councils whose municipal territories house facilities for storage or disposal of RW

Attachment **#1412: Regulation**

Regulation governing Funds allocation to Town Council.pdf

Attachment **#1829: Regulation**

orden\_21\_junio\_2001 asignaciones.pdf

Order amending previous Order 13 July 1998 which authorized ENRESA to the assignment of funds to Town Councils whose municipal territories house facilities for storage or disposal of RW

## Regulations / Laws

Country: SPAIN

Reporting Year: 2013

|  |  |            |
|--|--|------------|
| <b>Name:</b>                           | <b>OR 1449/03</b>  |            |
| <b>Title or Name:</b>                  | ORDER ECO 1449/2003, of May 21st, on management of solid waste material with radioactive content generated by category 2 and 3 radioactive installations where unencapsulated radioactive isotopes are handled or stored |            |
| <b>Reference Number:</b>               | Official State Gazette 134 2003-06-05  |            |
| <b>Date Promulgated or Proclaimed:</b> | 5/21/2003  | Regulation |

Attachment **#1413: Regulation**

Order 1449 2003.doc

|  |  |            |
|--|--|------------|
| <b>Name:</b>                           | <b>RD 775/06</b>   |            |
| <b>Title or Name:</b>                  | ROYAL DECREE 775/2006, of June 23rd, creating the Interministerial Commission for the establishment of the criteria that must be met by the site of the centralised spent nuclear fuel and high-level waste temporary storage facility, and of its associated technology centre. |            |
| <b>Reference Number:</b>               | Official State Gazette 159, 206-07-05  |            |
| <b>Date Promulgated or Proclaimed:</b> | 6/23/2006  | Regulation |

Attachment **#1414: Regulation**

RD 775 2006 english version.doc

## Regulations / Laws

Country: SPAIN

Reporting Year: 2013

|  |  |     |
|--|--|-----|
| <b>Name:</b>                           | <b>LAW 11/09</b>   |     |
| <b>Title or Name:</b>                  | Law 11/2009, of October 26th, regulating Limited Investment Companies Quoted on the Real Estate Market |     |
| <b>Reference Number:</b>               | Ninth final provision. Modification of the Nuclear   |     |
| <b>Date Promulgated or Proclaimed:</b> | 10/26/2009   | Law |

Comment **# 23038: FRAMEWORK AND FINANCING**

This Law 11/2009 defines the management of radioactive waste, including spent nuclear fuel, and the dismantling and decommissioning of nuclear facilities is an essential public service corresponding exclusively to the State, in keeping with article 128.2 of the Spanish Constitution.

The management of this public service is commissioned to the company Empresa Nacional de Residuos Radiactivos, S.A. (ENRESA), in accordance with the General Radioactive Waste Plan approved by the Government.

In this respect, ENRESA is constituted as a vehicle and technical service of the Administration, responsible for carrying out whatever functions might be assigned to it by the Government.

It also states that the tutelage of ENRESA shall correspond to the Ministry of Industry, Tourism and Trade via the Secretariat of State for Energy, which shall undertake the strategic management of the said company and the tracking and control of its activities and plans, both technical and economical.

In relation to the Fund for financing of the activities included in the General Radioactive Waste Plan, it is stated that the management of radioactive waste, including spent nuclear fuel, and the dismantling and decommissioning of nuclear facilities, referred to in article 38 (b) of Law 25/1964, of April 29th, commissioned to the Empresa Nacional de Residuos Radiactivos, S.A. (ENRESA), shall be carried out with financing via the Fund for the financing of the activities included in the General Radioactive Waste Plan.

This Fund is made up of the sums arising from the collection of the fees regulated, as well as of any compensation or income arising from the rendering of the said services. Also integrated in the Fund is the yield on its transitory financial investments.

Without prejudice to the aforementioned transitory financial investments, the sums integrated into the Fund may be invested only in expenses, works, projects and assets deriving from the activities contemplated in the General Radioactive Waste Plan approved by the Governme

Attachment **#2042: Regulation**

Law 11-2009.pdf

Law 11/2009 in English

|  |   |     |
|--|---|-----|
| <b>Name:</b>                           | <b>RD 1440/10</b>   |     |
| <b>Title or Name:</b>                  | Royal Decree 1440/2010, of 5th November, approving the Statute of the Nuclear Safety Council. |     |
| <b>Reference Number:</b>               |   |     |
| <b>Date Promulgated or Proclaimed:</b> | 10/5/2010   | Law |

Comment **# 23089:**

Royal Decree 1440/2010 approves the organisational Statute for the Nuclear Safety Council. The text of the R.D. specifies the structure, organisation, functions and legal system of this Body and entails the full replacement of the previous Statute approved in 1982

Attachment **#2065: Regulation**

RD 1440 2010 Estatuto CSN traduccion en inglés.doc

Traslation into English

## Regulations / Laws

Country: SPAIN

Reporting Year: 2013

|  |  |  |            |
|--|--|--|------------|
| <b>Name:</b>                           | <b>ORD 204/10</b>  |  |            |
| <b>Title or Name:</b>                  | ORDER ITC 204/2010 authorising the transfer of trusteeship of the Jose Cabrera NPP from the company Gas Natural S.A. to ENRESA and authorising the latter to carry out decommissioning |  |            |
| <b>Reference Number:</b>               | Official State Gazette 31, 2010-02-05  |  |            |
| <b>Date Promulgated or Proclaimed:</b> | 2/5/2010   |  | Regulation |

## Milestones

Country: SPAIN

Reporting Year: 2013

|  |      |           |      |
|--|------|-----------|------|
| Start Year or Reference Year:  | 2010 | End Year: | 2015 |
| Description of Milestone:  |      |           |      |
| Transference of trusteeship of the Zorita NPP from the company Gas Natural, S.A. to the Empresa Nacional de Residuos Radiactivos, S.A. and authorising the latter to carry out decommissioning |      |           |      |
| Start Year or Reference Year:  | 2008 | End Year: |      |
| Description of Milestone:  |      |           |      |
| The El Cabril Very Low Level Waste Disposal area starts up operations in October   |      |           |      |
| Start Year or Reference Year:  | 2006 | End Year: |      |
| Description of Milestone:  |      |           |      |
| The Sixth General Radioactive Waste Plan is approved by the Government   |      |           |      |
| Start Year or Reference Year:  | 2006 | End Year: |      |
| Description of Milestone:  |      |           |      |
| Zorita NPP is shutdown   |      |           |      |
| Start Year or Reference Year:  | 1998 | End Year: | 2004 |
| Description of Milestone:  |      |           |      |
| Vandellos I NPP decommissioning (stage 2).   |      |           |      |
| Start Year or Reference Year:  | 1992 | End Year: |      |
| Description of Milestone:  |      |           |      |
| The operational license for El Cabril facility was granted   |      |           |      |
| Start Year or Reference Year:  | 1991 | End Year: | 1994 |
| Description of Milestone:  |      |           |      |
| Decommissioning of the Uranium Milling Plant of Andujar (FUA)  |      |           |      |
| Start Year or Reference Year:  | 1987 | End Year: |      |
| Description of Milestone:  |      |           |      |
| The Spanish First General Radioactive Waste Plan was approved by the Government.   |      |           |      |
| Start Year or Reference Year:  | 1984 | End Year: |      |
| Description of Milestone:  |      |           |      |
| The Spanish Radioactive Waste Management Company (ENRESA) was created by Royal Decree  |      |           |      |

## Milestones

Country: SPAIN

Reporting Year: 2013

|  |      |           |  |
|--|------|-----------|--|
| Start Year or Reference Year:  | 1980 | End Year: |  |
| Description of Milestone:  |      |           |  |
| The Spanish Nuclear Safety Council was created   |      |           |  |
| Start Year or Reference Year:  | 1968 | End Year: |  |
| Description of Milestone:  |      |           |  |
| The first Spanish NPP (C.N. Jose Cabrera) was connected to the grid  |      |           |  |
| Start Year or Reference Year:  | 1964 | End Year: |  |
| Description of Milestone:  |      |           |  |
| The Spanish Nuclear Energy Law was enacted   |      |           |  |
| Start Year or Reference Year:  | 1951 | End Year: |  |
| Description of Milestone:  |      |           |  |
| The Nuclear Energy Board (JEN) was created as the organization in charge of all fields related to nuclear energy. In 1986 it was renamed CIEMAT. |      |           |  |

## Policies

Country: SPAIN

Reporting Year: 2013

## National Systems

| Policy   |   | (Yes;Partially;No)    |
|--|---|-----------------------|
| Q14  | Has your Country implemented a national policy for radioactive waste management?  | Yes                   |
| Attachment #1415: Questionnaire<br>SIXTH PLAN.pdf<br>The Sixth General Radioactive Waste Plan, approved July 2006, defines the current policy in this matter |   |                       |
| Strategies   |   | (Yes;Partially;No)    |
| Q15  | Has your country developed strategies to implement a national policy?   | Yes                   |
| Requirements   |   | (Yes;Partially;No)    |
| Q17  | identified the parties involved in the different steps of radioactive waste management  | Yes                   |
| Q18  | specified a rational set of safety, radiological and environmental protection objectives  | Yes                   |
| Q19  | implemented a mechanism to identify existing and anticipated radioactive wastes   | Yes                   |
| Q20  | implemented controls over radioactive waste generation  | Yes                   |
| Q21  | identified available methods and facilities to process, store and dispose of radioactive waste on an appropriate time-scale   | Yes                   |
| Q22  | taken into account interdependencies among all steps in radioactive waste generation and management   | Yes                   |
| Q23  | implemented appropriate research and development to support the operational and regulatory needs  | Yes                   |
| Q24  | implemented a funding structure and the allocation of resources that are essential for radioactive waste management   | Yes                   |
| Q25  | implemented formal mechanisms for disseminating information to the public and for public consultation   | Yes                   |
| Responsibilities   |   | (Complete;Incomplete) |
| Q28  | establish and implement a legal framework for the management of radioactive waste   | Complete              |
| Q29  | establish or designate a regulatory body that has the responsibility for carrying out the regulatory function with regard to safety and the protection of human health and the environment. | Complete              |
| Q30  | define the responsibilities of waste generators and operators of waste management facilities  | Complete              |
| Q31  | provide for adequate resources  | Complete              |
| Q33  | enforce compliance with regulatory requirements   | Complete              |
| Q34  | implement the licensing process   | Complete              |
| Q35  | advise the government   | Complete              |
| Q37  | identify an acceptable destination for the radioactive waste  | Complete              |
| Q114   | comply with legal requirements  | Complete              |

## Policies

Country: SPAIN

Reporting Year: 2013

| Activities |  | (Yes;Partially;No) |
|------------|--|--------------------|
| Q43        | perform safety and environmental impact assessments for radioactive waste management facilities  | Yes                |
| Q44        | ensure adequate radiation protection for workers, the general public and the environment   | Yes                |
| Q45        | ensure suitable staff, equipment, facilities, training and operating procedures are available to perform the safe radioactive waste management steps                               | Yes                |
| Q46        | establish and implement a quality assurance programme for the radioactive waste generated or its processing, storage and disposal  | Yes                |
| Q47        | establish and keep records of appropriate information regarding the generation, processing, storage and disposal of radioactive waste, including an inventory of radioactive waste | Yes                |
| Q48        | provide surveillance and control of activities involving radioactive waste as required by the regulatory body  | Yes                |
| Q49        | collect, analyze and, as appropriate, share operational experience to ensure continued safety improvements in radioactive waste management   | Yes                |
| Q50        | conduct or otherwise ensure appropriate research and development to support operational needs in radioactive waste management  | Yes                |

| Clearance |   | (Yes;No) |
|-----------|---|----------|
| Q128      | Does your country have "clearly defined clearance levels based on radiological criteria, with policy statements that material below those levels can be recycled or disposed of with non-radioactive wastes"? | No       |
| Q129      | Has your country ever used a "case-by-case" approach to clearing radioactive wastes (excluding spent/disused sealed radioactive sources)?   | Yes      |
| Q130      | Has your country ever used clearance levels to dispose of, reuse or recycle radioactive waste as non-radioactive waste or as a non-radioactive resource (excluding spent/disused sealed radioactive sources)? | Yes      |

Attachment #1220: Questionnaire

RD 1349-2003 ingles.doc

Regulation related to the management of solid waste material with radioactive content generated at category 2 and 3 radioactive facilities where non-encapsulated radioactive isotopes are handled or stored. (clearance levels)



## Policies

Country: SPAIN

Reporting Year: 2013

## Disposal Facilities

| Licensing    |  | (Yes - All;Yes - Some;No) |
|--------------|--|---------------------------|
| Q53          | Environmental Assessment (EA)  | Yes - All                 |
| Q54          | Environmental Impact Statement (EIS)   | Yes - All                 |
| Q55          | Performance Assessment (PA)  | Yes - All                 |
| Q56          | Quality Assurance (QA)   | Yes - All                 |
| Q57          | Safety Assessment (SA)   | Yes - All                 |
| Q59          | If Quality Assurance is part of your Country's current, waste disposal facility licensing policy, does the QA Program conform to international standards (such as the ISO9000 series)? | Yes - All                 |
| Operation    |  | (Yes - All;Yes - Some;No) |
| Q60          | Does your Country have formal, documented waste acceptance criteria for its operating or proposed disposal facilities?   | Yes - All                 |
| Post-Closure |  | (Yes;No)                  |
| Q61          | Does your Country have any written policies to address the maintenance of records that describe the design, location and inventory of waste disposal facilities?                       | Yes                       |
| Q62          | If the answer to the previous question was YES, does your Country have any policies, laws or regulations that prescribe what records are to be maintained?                             | Yes                       |
| Q63          | Does your Country have any written policies to address active institutional controls or passive institutional controls, such as monitoring or access restrictions?                     | Yes                       |
| Q65          | access restrictions  | Yes                       |
| Q66          | drainage and/or leachate collection system(s)  | Yes                       |
| Q67          | leachate treatment systems   | Yes                       |
| Q68          | environmental monitoring   | Yes                       |
| Q69          | facility monitoring  | Yes                       |
| Q70          | surveillance   | Yes                       |
| Q71          | plans for intervention measures during active institutional control if there is an unplanned release of radioactive materials from the disposal facility                               | Yes                       |

## Policies

Country: SPAIN

Reporting Year: 2013

## Processing/Storage

| Policies/Procedures |  | (Yes;No) |
|---------------------|--|----------|
| Q73                 | waste sorting/segregation  | Yes      |
| Q74                 | waste minimization   | Yes      |
| Q75                 | waste storage  | Yes      |
| Q76                 | processing and/or storing and/or disposing of nuclear fuel cycle waste separately from non-nuclear fuel cycle waste (also known as nuclear applications waste) | No       |
| Q78                 | Does your country have any legislation, regulation, or policy that waste processing must take place prior to storage (see following note)                      | Yes      |

Comment # 7567: PROCEDURES  
SEPARATE FOR PROCESSING/SORTING. COMMON FOR DISPOSAL

| Implementation |  | (Yes;No) |
|----------------|--|----------|
| Q80            | In your Country are there any waste processing facilities at the same location where the waste is generated? | Yes      |
| Q81            | In your Country are there any centralized waste processing facilities?                                       | Yes      |
| Q82            | In your Country are there any mobile waste processing facilities?  | No       |

| Foreign |   | (Yes;No) |
|---------|---|----------|
| Q121    | Has your country sent any wastes or spent fuel to another country for processing (reprocessing for fuel)?   | Yes      |
| Q122    | Will some or all of the product(s) of processing/reprocessing be returned to your country?  | Yes      |
| Q123    | Currently, are any of your country's wastes (processed or unprocessed, including the products of reprocessing) or spent fuel being stored in another country? | Yes      |
| Q124    | Has your country accepted any wastes or spent fuel from another country for processing (reprocessing for fuel)?   | No       |

## Policies

Country: SPAIN

Reporting Year: 2013

**Spent/Disused SRS**

| <b>Registration</b>       |   | <b>(Yes;No)</b> |
|---------------------------|---|-----------------|
| Q84                       | Is there a national level registry?   | Yes             |
| Q85                       | If answer was yes, is the registry used only for disused/spent SRS?   | No              |
| Q87                       | Are there regional-level registries (one or more)?  | No              |
| Q90                       | Are there local-level registries (one or more)?   | No              |
| <b>Procedures</b>         |   | <b>(Yes;No)</b> |
| Q91                       | Does your Country have documented procedures in place to ensure that sealed radioactive sources (SRS) are transferred to secure facilities in a timely manner after their user declares them to be spent? | Yes             |
| <b>Agreements</b>         |   | <b>(Yes;No)</b> |
| Q93                       | Government to Government agreements   | No              |
| Q94                       | Government - Supplier agreements  | No              |
| Q95                       | Supplier-User agreements  | Yes             |
| Q97                       | Do any agreements include suppliers that are outside of your Country?   | Yes             |
| <b>Release / Disposal</b> |   | <b>(Yes;No)</b> |
| Q99                       | Does your Country have any regulations to free-release spent sealed radioactive sources (SRS)?  | No              |
| Q100                      | Has your Country disposed of spent SRS in existing disposal facilities for LILW or HLW waste?   | Yes             |
| Q101                      | Does your Country plan to dispose of spent SRS in existing or planned disposal facilities for LILW or HLW waste?  | Yes             |
| Q102                      | Has your Country implemented dedicated disposal facilities for spent SRS?   | No              |
| Q103                      | Does your Country have plans to implement dedicated disposal facilities for spent SRS?  | No              |
| <b>Import-Export</b>      |   |                 |
| <b>Radioactive Waste</b>  |   | <b>(Yes;No)</b> |
| Q104                      | Does your Country have laws or Regulations restricting either the import or export of radioactive waste (excluding spent fuel)?   | No              |
| <b>Spent Fuel</b>         |   | <b>(Yes;No)</b> |
| Q105                      | Does your Country have laws or Regulations restricting either the import or export of spent fuel?   | No              |

## Policies

Country: SPAIN

Reporting Year: 2013

**Liquid HLW****Storage****(Yes;No)**

Q106 Does your Country have high-level liquid wastes in storage? No

**UMMT****Responsibility****(Yes;No)**

Q110 Does your Country have any Uranium Mine and Mill Tailings sites that do not have a designated authority to manage them? No

**Decommissioning****Funding****(Yes - All;Yes - Some;No)**

Q111 Does your Country require that funds should be set aside in support of future waste management activities, such as decommissioning activities? Yes - All

**Facilities****(Yes;No)**

Q119 Does Your Country have any nuclear fuel cycle facilities? Yes

Q120 Does Your Country have any nuclear applications facilities (non fuel cycle facilities)? Yes

**Timeframe****(Yes - All;Yes - Some;No)**

Q112 Does your Country require a time frame for the decommissioning of nuclear fuel cycle facilities once these facilities cease operation? Yes - All

Q113 Does your Country require a time frame for the decommissioning of non-nuclear fuel cycle facilities once these facilities cease operation? Yes - All

## Radionuclide Inventory by Waste Class

Country: SPAIN

Reporting Year: 2013

**- 3**

|                                  |   |
|----------------------------------|---|
| Total Alpha Activity (GBq):      | 0 |
| Total Beta/Gamma Activity (GBq): | 0 |

**No data available.****No data available.****No data available.****No data available.****No data available.****No data available.****No data available.****No data available.**

# Waste Management Infrastructure and Financing

Country: SPAIN

Reporting Year: 2013

## National Infrastructure

|                                  |  |
|----------------------------------|--|
| Nuclear Energy Context:          |  |
| Research & Development:          |  |
| Policies and Programs:           |  |
| Decommissioning and Dismantling: |  |
| Legal Framework:                 |  |
| Planned Improvements:            |  |

## National Financing

|                        |  |
|------------------------|--|
| Nuclear installations: |  |
| Legacy Wastes:         |  |
| Medical installations: |  |
| Extractive Industries: |  |
| Additional Comments:   |  |

## Waste Management Organisations

Country: SPAIN

Reporting Year: 2013

|                   |        |
|-------------------|--------|
| <b>Name:</b>      |        |
| Full Name:        |        |
| Description:      |        |
| Address:          |        |
| Main Website:     |        |
| Year Established: | 1      |
| Legal Nature:     | Public |

# Waste Management Strategies

Country: SPAIN

Reporting Year: 2013

|                    |  |
|--------------------|--|
| <b>Waste Class</b> |  |
| Strategy           |  |



## Waste Management Responsibility

Country: SPAIN

Reporting Year: 2013

|  |  |
|--|--|
| <b>Waste Class:</b>                                  |  |
| Regulatory Authority:                                |  |
| Treatment/Conditioning of Radioactive Waste:         |  |
| Transport of Radioactive Waste:                      |  |
| Development/operation of interim Storage Facilities: |  |
| Development/operation of Disposal Facilities:        |  |
| Waste Management Organisation:                       |  |
| Additional Comments:                                 |  |

**Main Waste Producers**

Country: SPAIN

Reporting Year: 2013

|               |  |
|---------------|--|
| Name:         |  |
| Full Name:    |  |
| Description:  |  |
| Address:      |  |
| Main Website: |  |

## Future Outlook

Country: SPAIN

Reporting Year: 2013

## Outlook for the year: 2030

|   |      |
|---|------|
| Gross Nuclear Capacity (MW):                                |      |
| Assumptions:  |      |
| Total Waste "as dispo" Volume in Storage (m <sup>3</sup> ): |      |
| Total Waste Volume in Disposal (m <sup>3</sup> ):           |      |
| Assumptions:  |      |
| Total Spent Fuel in Storage (tHM):                          | 6794 |
| Total Spent Fuel in Disposal (tHM):                         |      |
| Assumptions:  |      |
| Remaining Disposal Capacity for Volume of Waste (m3):       |      |
| Assumptions:  |      |
| Remaining Disposal Capacity for Spent Fuel (tHM):           |      |
| Assumptions:  |      |

## Future Outlook

Country: SPAIN

Reporting Year: 2013

## Outlook for the year: 2050

|   |      |
|---|------|
| Gross Nuclear Capacity (MW):                                |      |
| Assumptions:  |      |
| Total Waste "as dispo" Volume in Storage (m <sup>3</sup> ): |      |
| Total Waste Volume in Disposal (m <sup>3</sup> ):           |      |
| Assumptions:  |      |
| Total Spent Fuel in Storage (tHM):                          | 6794 |
| Total Spent Fuel in Disposal (tHM):                         |      |
| Assumptions:  |      |
| Remaining Disposal Capacity for Volume of Waste (m3):       |      |
| Assumptions:  |      |
| Remaining Disposal Capacity for Spent Fuel (tHM):           |      |
| Assumptions:  |      |

## Outlook for the year: 2100

Data not available.