

## Site (Structure) : CLV

Country: MEXICO

Reporting Year: 2007

Full Name: Central Laguna Verde (Laguna Verde Nuclear Power Plant)

Description:

Official Website:

License Holder(s): Comision Federal de Electricidad (Electricity Federal Commission)  
Km. 46.5, carreter federal 180, Alto Lucero, Veracruz

Waste management facilities that are located at this site:

|                     |   |
|---------------------|---|
| <b>Facility:</b>    | <b>ATS</b>  |
| <b>Description:</b> | In site Radioactive Waste Storage (wet radioactive waste storage) |

**Storage part of facility                      ATS**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| NB A        | Yes    | Yes     |
| NB B        | No     | No      |
| NB C        | No     | No      |
| INTERMEDIO  | No     | No      |
| ALTO NIVEL  | No     | No      |

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

|                  |   |
|------------------|---|
| <b>Capacity:</b> | Design capacity: 1067 Drums (224 cubic meters) and 318 High Integrity Containers (1351.5 cubic meters). |
|------------------|---|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| ATS               | bunker    | 1989        | No      | No    | Yes      | No            |

Comment                      **# 7283: Raised capacity**

Capacity declared for ATS, takes into account in process layout and piling rearrangements of HIC's and drums in the facility.

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|                     |                        |
|---------------------|------------------------|
| <b>Facility:</b>    | <b>CLVACG1</b>         |
| <b>Description:</b> | Spent fuel pool Unit 1 |

**Storage part of facility CLVACG1**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| NB A        | No     | No      |
| NB B        | No     | No      |
| NB C        | No     | No      |
| INTERMEDIO  | Yes    | No      |
| ALTO NIVEL  | Yes    | Yes     |

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

|                  |   |
|------------------|---|
| <b>Capacity:</b> | Enough capacity for the lifetime of Laguna Verde Nuclear Power Plant Unit 1 (BWR Mark II) |
|------------------|---|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| CLVACG1           | pool      | 1989        | No      | No    | No       | No            |

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|                     |                        |
|---------------------|------------------------|
| <b>Facility:</b>    | <b>CLVACG2</b>         |
| <b>Description:</b> | Spent fuel pool Unit 2 |

**Storage part of facility****CLVACG2**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| NB A        | No     | No      |
| NB B        | No     | No      |
| NB C        | No     | No      |
| INTERMEDIO  | Yes    | No      |
| ALTO NIVEL  | Yes    | Yes     |

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

|                  |   |
|------------------|---|
| <b>Capacity:</b> | Enough capacity for the lifetime of Laguna Verde Nuclear Power Plant Unit 2 (BWR Mark II) |
|------------------|---|

## Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| CLVACG2           | pool      | 1995        | No      | No    | No       | No            |

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|                  |                                     |
|------------------|-------------------------------------|
| <b>Facility:</b> | <b>DDRSS</b>                        |
| Description:     | Solid dry radioactive waste storage |

**Storage part of facility****DDRSS**

The following shows storage status for waste classes and SRS.

| Waste Class | Actual | Planned |
|-------------|--------|---------|
| NB A        | Yes    | Yes     |
| NB B        | No     | No      |
| NB C        | No     | No      |
| INTERMEDIO  | No     | No      |
| ALTO NIVEL  | No     | No      |

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

|           |   |
|-----------|---|
| Capacity: | Design capacity: 7925 Drums ( 1664.25 cubic meters), plus 468 cubic meters for metallic containers. |
|-----------|---|

## Types of Storage Units

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

Comment **# 7282: Supercompaction**

There are plans for raising capacity of DDRSS by means of volume reduction via super compaction, which, at a ratio of 3:1, will give DDRSS enough capacity for up to 7 years.

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|  |  |                |  |
|--|--|----------------|--|
| <b>Facility:</b>   | TPCLV  |                |  |
| <b>Description:</b>  | In Plant Radioactive Waste Treatment, Central Laguna Verde |                |  |
| <b>Processing part of facility</b>                               |  | <b>TPCLV</b>   |  |
| The following shows processing status for waste classes and SRS. |  |                |  |
| <b>Waste Class</b>   | <b>Actual</b>  | <b>Planned</b> |  |
| NB A   | No   | No             |  |
| NB B   | No   | No             |  |
| NB C   | No   | No             |  |
| INTERMEDIO   | No   | No             |  |
| ALTO NIVEL   | No   | No             |  |
| <b>Type:</b>   | Treatment, Conditioning                                    |                |  |
| <b>Year opened:</b>  | 1989   |                |  |