

Site (Data) : ININ-CADER

Stock of waste as at December 2006

Country: MEXICO

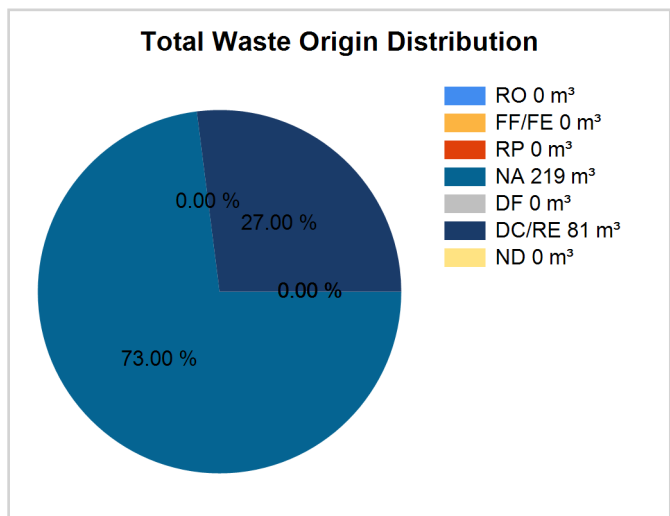
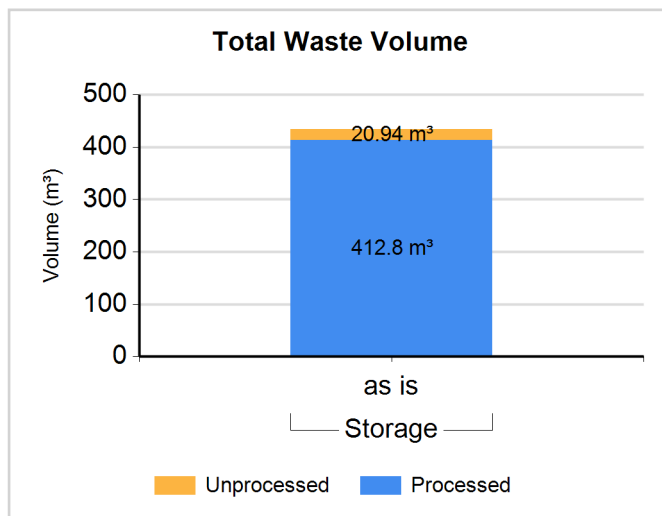
Reporting Year: 2006

Site Name: ININ-CADER

Full Name: Instituto Nacional de Investigaciones Nucleares, Centro de Almacenamiento de Desechos Radiactivos (Radioactive Waste Storage Center)

Inventory Reporting Date: December 2006**Waste Matrix Used:** NOM-4-NUCL**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: NB A

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m³) | Volume "as dispo" (m³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|---------------------|------|------|---------------------|------------------------|------|---------|------|--------|------|---------|------|
| NB A | Storage / CADER | Y | N | 37.400 | 37.400 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 |

Waste Class: NB B

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m³) | Volume "as dispo" (m³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|---------------------|------|------|---------------------|------------------------|------|---------|------|--------|------|---------|------|
| NB B | Storage / CADER | N | N | 20.940 | 20.940 | 0.00 | 0.00 | 0.00 | 19.00 | 0.00 | 81.00 | 0.00 |
| NB B | Storage / CADER | Y | N | 375.400 | 375.400 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 |

Comment # 9801: Increased capacity of CADER

In 2004 no drums were received in the CADER, however, the storage capacity of radioactive waste increased slightly in 2004, this is due to the fact that some segregation activities were carried out as a consequence of repackaging radioactive waste from deteriorated drums to new ones, (clearance criteria were applied), probably this segregation activity will span one or two more years.more.

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Spent Sources <=30 years in Storage

| Nuclide | Number of Sources/Total Activity of Sources (GBq) | | | c o n d | u n c o n d | c a t | Total Activity for all Groups (GBq) | Decay Date |
|---------|---|--|--------------------------------|------------------|----------------------------|-------------|--|------------|
| | Group I less than or equal 4GBq | Group II more than 4GBq but less than or equal 4E+4GBq | Group III more than 4E+4GBq | | | | | |
| | num/activity | num/activity | num/activity | | | | | |
| Co-60 | 152 | 578 | 2 | Y | Y | N | 5.696E+005 | |
| | 4.000E+000 | 4.720E+005 | 9.757E+004 | | | | | |
| Cs-137 | 136 | 873 | | Y | Y | N | 1.600E+005 | |
| | 2.100E+001 | 1.600E+005 | | | | | | |
| Kr-85 | 55 | | | Y | N | N | 1.600E+002 | |
| | 1.600E+002 | | | | | | | |
| Sr-90 | 69 | | | Y | N | N | 4.300E+001 | |
| | 4.300E+001 | | | | | | | |

Spent Sources > 30 years in Storage

| Nuclide | Number of Sources/Total Activity of Sources (GBq) | | c o n d | u n c o n d | c a t | Total Activity for all Groups (GBq) | Decay Date |
|---------|---|----------------------------|------------------|----------------------------|-------------|--|------------|
| | Group I less than or equal 2 GBq | Group II more than 2GBq | | | | | |
| | num/activity | num/activity | | | | | |
| Am-241 | 1205 | | Y | N | N | 1.000E+003 | |
| | 1.000E+003 | | | | | | |
| Am-241 | 12 | 125 | Y | N | N | 1.713E+004 | |
| | 7.400E+000 | 1.712E+004 | | | | | |
| Ra-226 | 1132 | | Y | Y | N | 8.200E+001 | |
| | 8.200E+001 | | | | | | |