

Milestones

Country: CHILE

Reporting Year: 2008

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|---|------|-----------|------|
| Start Year or Reference Year: | 2008 | End Year: | |
| Description of Milestone: | | | |
| <p>A National Seminar on Radioactive Waste Management was held in November 2008, with the aim to gather all stakeholders to have the opportunity to discuss on actual situation in this matter and to create awareness on the necessity to establish a sustainable radioactive waste management system in which all waste generators could trust. Draft policy and strategy were presented by CCHEN, and discussed. It has been the first time that different kind of people such as : regulators, authorities, waste generators, waste managers and public has met together to discuss on radioactive waste management, conducted by international experts from IAEA. The Seminar was organized by SEGEDRA with the collaboration of IAEA, through a TC project.</p> | | | |
| Start Year or Reference Year: | 2007 | End Year: | 2010 |
| Description of Milestone: | | | |
| <p>CCHEN signed an agreement with DOE of USA, to repatriate all SRS whose fabrication origin was USA. In the year 2007, the information of every SRS that were kept waiting conditioning in our Radioactive Waste Management facilities was verified and sent to DOE to prepare the conditioning to be repatriated.</p> | | | |
| Start Year or Reference Year: | 2007 | End Year: | 2008 |
| Description of Milestone: | | | |
| <p>Preliminary design to construct a a New Centralized Storage Facility is in progress. The projected facility is designed to storage all radioactive low and intermediate radioactive waste generated from nuclear applications in the country, and its operation is estimated to cover at least next 40 years. The design considers all aspect of radiation and industrial safety, physical protection and environmental impact that are needed to comply with in place regulations, and taking account of international recomendations.</p> | | | |
| Start Year or Reference Year: | 2004 | End Year: | 2006 |
| Description of Milestone: | | | |
| <p>According new safety conditions and necessities to store SSRS containing radioisotopes for which the Conditioning Procedure has not been developed, such as Kr-85, etc., the Radioactive Waste Tratment Plant has been enlarged with a Storage Zone, destined to SRS, and in a separate zone the liquid waste before conditioning are stored in safe conditions.</p> | | | |
| Start Year or Reference Year: | 2000 | End Year: | 2000 |
| Description of Milestone: | | | |
| <p>An ion exchange Plant (3 columns of ion exchange resin) to reduce liquid waste volume from nuclear research is installed and started up at Radioactive Waste Treatment Plant.</p> | | | |
| Start Year or Reference Year: | 1999 | End Year: | 1999 |
| Description of Milestone: | | | |
| <p>A segregation and characterization laboratory for exempted waste is built annexed to the Storage Facility for Decay.</p> | | | |

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| Start Year or Reference Year: | 1997 | End Year: | 1997 |
| Description of Milestone: | | | |
| <p>The Radioactive Waste Treatment Unit (capacity of facilities and personnel) is evaluated by IAEA, to serve as Demonstration Center for methodologies and procedures in the management of radioactive waste from nuclear applications. The first Demonstration Course for Latin America and the Caribbean Region is held in 1997. (4 courses are followed after that). The</p> | | | |
| Start Year or Reference Year: | 1997 | End Year: | 1998 |
| Description of Milestone: | | | |
| <p>Spent sealed sources, arising from radiotherapy in Chile, containing Radium 226 were conditioned according to "Radium Conditioning Project" supported by IAEA. The Chilean Team was composed by 2 professionals, 2 technicians and 1 superior welder, plus the IAEA's expert. A quantity of 2,5 Ci of Ra-226 (about 500 units) were conditioned in a retrievable way.</p> | | | |
| Start Year or Reference Year: | 1996 | End Year: | 1996 |
| Description of Milestone: | | | |
| <p>A modification and enlargement of the Radioactive Waste Treatment Plant for the treatment of radioactive liquid waste is built.</p> | | | |
| Start Year or Reference Year: | 1992 | End Year: | 1992 |
| Description of Milestone: | | | |
| <p>A Radioactive Waste Treatment Plant is built and started up. Low and intermediate activity waste are processed: spent sealed sources and solid waste. (volume reduction, immobilization in cements and conditioned).</p> | | | |
| Start Year or Reference Year: | 1990 | End Year: | 1990 |
| Description of Milestone: | | | |
| <p>The Radioactive Waste Management Unit is created under the Chilean Commission for Nuclear Energy organization, with the purpose of centralizing all activities related to radioactive waste management in the country.</p> | | | |
| Start Year or Reference Year: | 1989 | End Year: | 1989 |
| Description of Milestone: | | | |
| <p>A Storage building (on surface) for conditioned radioactive waste is finished. It is a concrete and steel building, with internal structures to stand 200 l drums in a horizontal way.</p> | | | |