

# **NDEP Projects Status**

**23d CEG Plenary Meeting  
7-9 October 2009  
Rome, Italy**



# Content of the Presentation

1. Current State of the NDEP Nuclear Window
2. GIA 001 - Strategic Master Plan (€ 7 million)
3. GIA 002 - Urgent Projects in Gremikha (€ 7 million)
4. GIA 003 - Radiation Monitoring and Emergency Response Systems of the Murmansk Region (€ 4.9 million)
5. GIA 004 - Decommissioning of Building No. 5 in Andreeva Bay. Phase 1 (€ 2.25 million)
6. GIA 005 - Decommissioning of FTB Lapse. Phase 1. (€ 43 million)
7. GIA 006 - Defuelling of the Papa-class NPS (€ 5.6 million)
8. GIA 007 - SNF Handling in Andreeva Bay (€ 20 million)
9. GIA 008 - Radiation Monitoring and Emergency Response Systems of the Archangelsk Region (€ 5.1 million)
10. Support to Project Management



# 1. Current State of the NDEP Nuclear Window

- The Nuclear Window € 150 million committed.
- Since 2005 eight Grant Implementation Agreements (GIA) have been signed for the total of € 95 million.
- All works for GIAs 001, 002 and 003 completed. Contract closeout for GIA 002 “Urgent Projects in Gremikha” being finalised.
- About € 50 million available and earmarked for the Phase 2 of the Lepse project and for actual decommissioning of Building No. 5 in Andreeva Bay.



## 2. GIA 001 - Strategic Master Plan

- SMP was endorsed by NDEP Assembly in November 2007 and by Rosatom in December 2007.
- Project Management Information System (PMIS) was developed at the final phase of the project in May 2009.
- The PMIS is a comprehensive tool for monitoring and control of the clean-up projects in NW Russia supporting also decision-makers.
- The system covers all existing projects, tracks current state of their implementation, identifies bottle-necks, and assists in coordination.
- Development and pilot operation of the system was conducted by IBRAE for Rosatom.



### 3. GIA 002 - Urgent Projects in Gremikha

- Physical Protection system of the site was upgraded in 2007.
- System for monitoring crucial parameters in the SNF storage facility for Alfa-class reactors has been commissioned in September 2008 and fully operational now.
- Conceptual design for management of SNF and RW on the open pad was developed in 2007, supporting also French bilateral programme.



## 4. GIA 004 - Decommissioning of Building No. 5 in Andreeva Bay. Phase 1

- In March 2009 the Recipient of the Grant was changed from SevRAO to FCNRS.
- In August 2009 STK was contracted to perform urgent repairs of the building in order to prevent its further degradation.
- Consortium of VNIPIET, NIKIET and ICES will be contracted shortly to analyse options for the building decommissioning, to perform additional radiation surveys of the pools inside the building, and to upgrade and maintain the database supporting the decommissioning activities.
- Preparatory work is under way now. All activities on site will be performed during next summer season and the project is to be completed in August 2010. It will provide a basis for decommissioning of the Building No. 5.



## 5. GIA 005 - Decommissioning of FTB Lepse. Phase 1.



Lepse ship is currently located in the Kola Bay, 2km from Murmansk

Grant Recipient : FCNRS



## 5. GIA 005 - Decommissioning of FTB Lepse. Phase 1.

- The first phase of the project is aimed at preparing the ship and the infrastructure for unloading the spent fuel and radioactive waste.
- Current state of preparation:
  - Project Management Unit (PMU) established by FCNRS performs organisation of contracts for main tasks of the project.
  - Open tender for selection of International Consultant (IC) to support PMU has been conducted and the IC will be contracted shortly.
- Initial cost estimates have been reviewed and updated by AMEC Ltd. under the NEFCO funding.



# 5. GIA 005 - Decommissioning of FTB Lapse. Phase 1.

## General Implementation Schedule

Task Name	Duration	2008				2009				2010				2011				2012				2013			
		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	
GIA-005 signed	0 days																								
GIA-005 effective	10 days																								
General Procurement notice	12 days																								
Procurement Plan	60 days																								
⊕ Selection of International Consultant	265 days?																								
⊕ Detailed Design Development	438 days																								
⊕ Relocation of Lapse	253 days																								
⊕ Construction of SNF Storage	741 days																								
⊕ Preparation of Nerpa Shipyard	508 days																								



## 6. GIA 006 - Defuelling of the Papa-class NPS



Grant Recipient : FCNRS



## 6. GIA 006 - Defuelling of the Papa-class NPS

- The submarine is being dismantled at Zvezdochka shipyard now under Russian funding. Three-compartment unit will be completed soon.
- Defuelling will be conducted at the Coastal Defuelling Facility at Zvezdochka from the three-compartment unit placed in the floating dock.
- International Consultant to support PMU is the same as for Lapse project.
- Further activities for the defuelling project will be conducted after IC is contracted.



## 7. GIA 007 - SNF Handling in Andreeva Bay



Grant Recipient : FCNRS

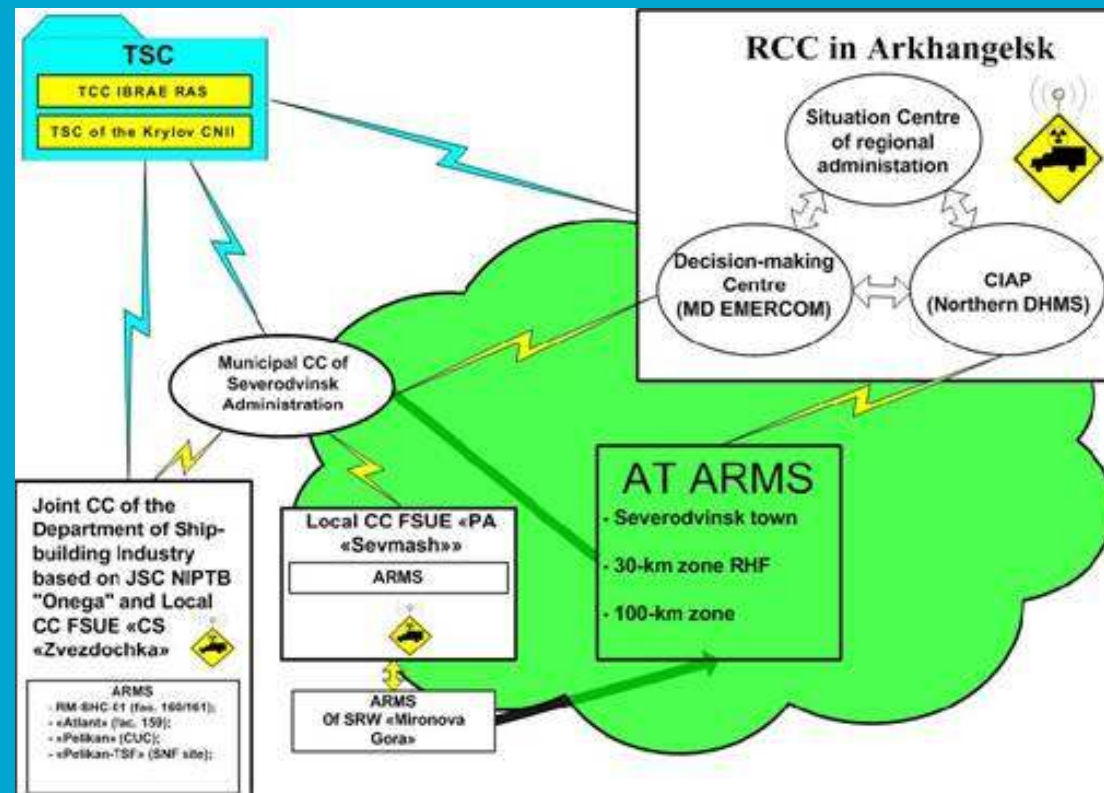


## 7. GIA 007 - SNF Handling in Andreeva Bay

- The project is aimed at provision of SNF handling and transport equipment for Andreeva Bay and construction of cask accumulation pad (Building No. 151) that is designed under UK funded project.
- Current state:
  - Procurement of the International Consultant has been initiated. Contract with IC is expected in November 2009.
  - Design documentation for Building No. 151 is under State Peer Review. Permission to construct the building is expected in November 2009.
  - Tender for selection of the contractor for Building No. 151 will be launched in December 2009.
- The project is coordinated with on-going activities in Andreeva Bay funded by UK, Norway, Russia, Italy and Sweden.



## 8. GIA 008 - Radiation Monitoring and Emergency Response Systems of the Arkhangelsk Region



Grant Recipient : Administration of the Arkhangelsk Region



## 8. GIA 008 - Radiation Monitoring and Emergency Response Systems of the Archangelsk Region

- Main objective of the project is enhancement of the radiation monitoring and emergency response system in the Arkhangelsk Region. The project covers all radiation hazardous facilities in the Region.
- Current state:
  - Contract with IBRAE was signed on 5 March 2009.
  - All design documentation developed. Some equipment procured.
  - Project implementation is on time and within the budget.



## 9. Support to Project Management

- FCNRS is a main recipient of the most of NDEP Nuclear Window grants. It is relatively new organisation with limited experience in the International Projects Management. It takes time to gain the experience in the project organisation and control.
- Assistance and training of the FCNRS managers have been provided by the Bank mainly on the procurement procedures and rules.
- Further assistance will be provided by the International Consultants envisaged in each project through:
  - on-job training in the IC office in Moscow,
  - specific training according to agreed programmes in Russia and abroad,
  - close cooperation on development of documents and monitoring the work progress.
- EBRD also provides funding for 5 FCNRS managers to support the PMU work.



**THANKS FOR YOUR ATTENTION!**

