

**Target agreement between the German and Lithuanian party on**

**Methodology transfer for the preparation of NPP decommissioning for  
leading personnel of the Ignalina NPP and for representatives of  
Lithuanian authorities**

**Agreed on the Meeting in Vilnius  
(Lithuanian Ministry of Economy, 21<sup>st</sup> of February 2002)**

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## 1 Introduction

By request of the Lithuanian side (Ignalina NPP and Lithuanian Government) for bilateral support and under consideration of the experience from the decommissioning of the Greifswald NPP, the Federal Government decided to provide financial support for a bilateral project on methodology transfer for the preparation of NPP decommissioning for leading personnel of the Ignalina NPP and for representatives of Lithuanian authorities.

This decision makes it possible to transfer handling procedures and specific knowledge from the decommissioning of the Greifswald NPP to the responsible Lithuanian parties and to make a specific contribution to the preparation of the decommissioning of the Ignalina NPP. This project is ment to support and complement the International Ignalina Decommissioning Fund. To guarantee this content, the main technical tasks will be agreed upon with the EBRD.

The knowledge will be transferred on the basis of the experience obtained during the decommissioning of the Russian WWER-reactors in the Greifswald and Rheinsberg NPP over the last ten years.

The Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) is in charge of the project management for the methodology transfer. Energiewerke Nord GmbH (EWN) in cooperation with other subcontractors are responsible for the practical realisation.

Representatives of the operator of the Ignalina NPP and of the Ministry of Economy, of VATESI and of RATA (Radioactive Waste Management Agency) who are responsible for the decommissioning are the target group for the methodology transfer.

The detailed objectives and the procedure of the methodology transfer are described in chapter 2 and 3 of this target agreement. Chapter 4 deals with the provision of documents. The financial frame conditions are explained in chapter 5.

## **2 Objectives of the methodology transfer**

The methodology transfer comprises the following tasks:

- Project management,
- Licensing procedures,
- Project planning,
- Waste management and
- Social aspects for site development

by which the following individual objectives described below should be achieved.

### **2.1 Task 1: Project management**

The Lithuanian experts will receive knowledge in handling and controlling of a decommissioning project. Individual aspects are:

- Working out of clear company objectives,
- Development of a decision tree,
- Definition of a project structure,
- Organisation of personnel deployment for the project performance and
- Use of IT - solutions.

## **2.2 Task 2: Licensing procedures**

The Lithuanian experts will be provided with basic knowledge for the realisation of a time optimised licensing process. Individual objectives are:

- the strategic procedure,
- the scope of documents to be prepared,
- the connection between licensing and supervisory procedure,
- procedures for changes in application for the basic licence,
- environmental impact studies,
- licence for post operation period and
- necessary documentation and required IT – application.

## **2.3 Task 3: Project planning**

The Lithuanian experts will be informed about basic experience to get a sound basis for planning actions. Priorities are:

- preparation of a technical decommissioning concept,
- definition of the critical path,
- procedure for inventarisation,
- preparation of execution documents for decommissioning planning (dismantling/safe enclosure),
- procedure for planning – dismantling room by room or system by system,
- basic knowledge for project planning and cost calculation,
- basic knowledge for the preparation of a cost calculation guideline and
- IT-application for project planning and project calculation (cost calculation).

## **2.4 Task 4: Waste management**

Experience for the organisation of an optimal waste management will be transferred.

Individual objectives are:

- definition of the frame conditions for the waste management strategy,
- preparation of a waste management concept,
- procedure for fuel management,
- treatment of operational waste,
- treatment and disposal of the dismantled material,
- waste flow on the basis of inventorisation,
- criteria for free release measurements/release criteria and logistic procedure and
- IT-application for waste flow supervision.

## **2.5 Task 5: Social aspects for site development**

Experience will be transferred, which allow already at an early stage of the decommissioning to develop strategies for the further use of the power plant site and to make the decommissioning process socially acceptable.

The objective is to elaborate a measure catalogue, which will be agreed on and specified with the responsible experts on site.

## **3 Procedure of the methodology transfer**

For the tasks 1 to 4 mentioned in chapter 2, a one week seminar for each task with up to 8 Lithuanian representatives is foreseen in the Greifswald NPP. The time division between theoretical know-how transfer and practical object-teaching will be determined in dependence on the individual training tasks. After the performance of 2 seminars in the Greifswald NPP, after a 4-week period, a

consolidation seminar will be always performed in the Ignalina NPP to discuss and evaluate the methodology transfer.

In the frame of a seminar, measures will be proposed and discussed in the Ignalina NPP with the aim to define the measures according to task 5.

Finally, a workshop on the methodology transfer will be held on the site of the Ignalina NPP to present the results and conclusions.

The time schedule for the performance of the methodology transfer is attached to this target agreement as Annex 1. The details for the realisation of the workshops will be clarified between INPP and EWN.

#### **4 Provision of documents and translators**

Technical documents for the individual tasks will be drawn up in English and Russian and submitted to the Lithuanian participants. It is foreseen to give the lectures in English language and if necessary, to use a Russian translator. Always the host will organise the translation free of charge.

The Lithuanian party declares to provide the necessary available information about the decommissioning of the Ignalina NPP well in time for the seminar preparation.

#### **5 Financial terms**

The methodology transfer will be financed by the Federal Ministry of Environment, Nature Conservation and Nuclear Safety (BMU).

The following costs for the participation of always 8 Lithuanian experts in the seminars for tasks 1 – 4 in the Greifswald NPP will be borne by the German side:

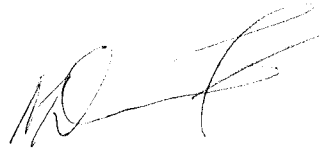
- flight costs for direct flights from Vilnius to Berlin – Tegel airport and return as well as transportation to/from Greifswald and
- hotel accommodation and per diems.

The costs for the accommodation and per diems of the German experts for all foreseen seminars and workshops in Ignalina NPP will be borne by the German side.



Vilnius, 21<sup>st</sup> of February 2002

For Lithuanian Ministry of Economy:



For VATESI:



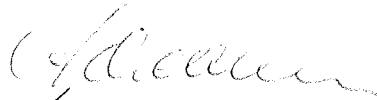
For RATA:



For German Federal Ministry for  
Environment, Nature Conservation  
and Nuclear Safety:



For GRS:



For Ignalina NPP:



For EWN:



## Annex 1: Time schedule

Task	Activities	Month/Year
	<b>Project start</b>	02/02
	<b>Agreement on programme and time schedule</b>	02/02
	<b>Social aspects for site development</b>	
5	Evaluation/analysis of work already performed	02/02
	Preparation of measures	03/02, 04/02
	<b>Presentation of results in Ignalina NPP</b>	04/02 Week 17
	<b>Project management</b>	
1	Preparation of training documents	02/02 to 05/02
	<b>Course 1 - Project management - in EWN</b>	06/02 EWN: W. 25 INPP: W. 24
	<b>Licensing procedures</b>	
2	Preparation of training documents	to 08/02
	<b>Course 2 - Licensing procedure - in EWN</b>	09/02 EWN: W.39 INPP: W. 36
	<b>First evaluation seminar in Ignalina NPP</b>	10/02 Week 44
	<b>Project planning</b>	
3	Preparation of training documents	to 10/02
	<b>Course 3 - Project planning - in EWN</b>	11/02 EWN: W. 48 INPP: W. 47
	<b>Waste management</b>	
4	Preparation of training documents	01/03
	<b>Course 4 - Waste management - in EWN</b>	02/03 Week 09
	<b>Second evaluation seminar in Ignalina NPP</b>	03/03 Week 13
	<b>Review of training documents</b>	04/03 05/03
	<b>Final workshop in Ignalina NPP</b>	06/03 Week 26
	<b>Final report</b>	07/03, 08/03

## Annex 2: List of participants

Name	Institution
Dainius Janinaus	Radioactive waste management agency
Saulius Urbonavičius	Ignalina NPP
Rimantas Krenevičius	VATESI, Head of decommissioning depart.
Rimutė Teskeničienė	Ministry of Economy, director
ARVYDAS MERŠKEVIČIUS	Min. o. Economy, head of division.
ONA BEINORAVIČIŪTĖ	Ministry of Economy, senior specialist
Ingrida Wolf	German Embassy
Balthasar LINDNER	Fed Ministry for the Envir.
Axel Bäckev	EWN - Greifswald NPP
Lutz Ackermann	GRS Berlin