



# Workshop IRRS Seville

**IRRS Germany 2008** 

### Lessons learned from the IRRS in Germany

Perspective of the Federal State Baden-Wuerttemberg

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Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit Baden-Württemberg







# Scope and Objective of the IRRS Germany 2008

Continuous improvement of the supervision of the safety of NPP's under the given conditions (phase-out, ageing, deregulation of the electricity market) on the basis of the federal executive administration.

Objective contains 3 important statements

- scope restricted to NPP's (IRRS modules I VIII) not a full scope mission
- consideration of present challenges (phase-out, ...)
- optimisation of the legally based structure of the nuclear regulatory system, a changing of structures was not subject of the IRRS Mission.





# The regulatory body in the Federal system in Germany

- Federal System with two autonomous authorities on the two levels of the Federation (BMU) and the Federal States (Länder)
- The Constitution and the Atomic Energy Act assign the Federal States an important role in the field of nuclear safety.
- Länder normally are responsible for authorization, review and assessment, inspection and enforcement. This work is done by the supreme Länder authorities (ministries).





#### **Organisation IRRS**

	BMU	UM BW						
Liaison Officer	Majer	Ortwein						
Module	Counterparts*							
Legislative and Governmental Responsibilities (Module I) Questions 1-44	Dr. Schneider	Winter						
Responsibilities and Functions of the Regulatory Body (Module II) Questions 45 – 80	Fischer	Winter Supported by Dr. Kern						
Organization of the Regulatory Body (Module III) Questions 81 - 105	Niehaus	Dr. Glöckle Supported by Dr. Stratmann						
Authorization (Module IV) Questions 106 - 118	Ludwig	Dr. Scheitler Supported by Dr. Flaskamp						
Review and Assessment (Module V) Questions 119 - 125	Engelhardt	Korr Supported by Dr. Löffert						
Inspection and Enforcement (Module VI) Questions 126 - 149	Sperling	Wildermann Supported by Riehme						
Development of Regulations and Guides (Module VII) Questions 150 - 156	Dr. Wassilew	Wiesner						
Management System for Regulatory Body (Module VIII) Questions 157 - 248	Dr. Vorwerk	Dr. Glöckle Supported by Carius						

\* leading counterpart in orange, co-counterpart in white





# **Self-Assessment: Approach of UM BW**



http://www.ilkonline.org/public/en/stellungnahmen.htm

# 1<sup>st</sup> **Step:** Assessment by the International Committee on Nuclear Technology (ILK)\*

Review performed in the style of an IRRS-Mission resulting in

- recommendations,
- suggestions and
- good practices.

2<sup>nd</sup> Step:

**IRRS** Questionnaire

fü	ındesministerium r Umwelt, Naturschutz Id Reaktorsicherheit	IRRS GERMANY 2008	Baden-Württembe
.2.7	Module 6: Inspection and enfor	cement	
No	Question		Module 6: Inspection and enforcem
	itself that the operator is in compliance with take into account, as necessary, the activit by the regulatory body in the event of devia	tivities shall cover all areas of regulatory responsibility. The regu the conditions set out, for example, in the authorization or regu se of suppliers of services and products to the operator. Enforce tions from, or non-compliance with, conditions and requirement	lations. In addition, the regulatory body sha ement actions shall be applied as necessar
	SS Ref.: GS-R-1 para 5.12		Assessmer
	Answer: Yes. The Atomic Energy Act (Atomgesetz – AtG i.e. also of inspections, is a duty of the con	<ul> <li>regulates, among other things, supervision by the government spetent nuclear regulatory authority.</li> </ul>	(§ 19 AtG). The performance of supervisio
		istry of the Environment Baden-Württemberg carries out inspect are a central and indispensable part of the supervision strategy	
	Type, methods and scope of inspections a decommissioning).	re stipulated in the oversight manual and differ according to plan	t state (e.g. operation, revision and
	Section 7.3.2.1.1 of the oversight manual).	operation, an annual inspection programme is set up and perfor The time consumed for the on-site inspections within this progra ction programme covers all inspection areas relevant for oversig	amme is about 48 man days per year and
	<ul> <li>modification procedures,</li> <li>operational management,</li> <li>maintenance/repair,</li> <li>in-service inspections,</li> <li>quality assurance,</li> <li>technical qualification,</li> </ul>		





# **Action Plan of UM BW**

## **Basis:** ILK Review and IRRS Questionnaire

### Results: 27 actions



IRRS Germany 2008



#### 3.3.2.2 Action Plan UM BW

3.3.2.2 IRRS Question 67	Action Plan UM BW Action 1. Co-operation in international	Aim - Contribution of UM BW oversight experience	Responsible or co-ordination 32	Target date End of 2008
96	working groups and committees (IAEA, OECD/NEA, EU/WENRA)	- Learning from international experience (cf. also ILK Report Sec. 3.1 and Item 7 of the Aims and Actions 2008)		(4 members on international working groups and committees)
67 96	<ol> <li>Co-operation in international projects and actions (e.g. IAEA missions, workshops)</li> </ol>	Contribution of UM BW oversight experience     Learning from international experience     (cf. also ILK Report Sec. 3.1)	32	Permanent task
68	<ol> <li>Further expansion and optimisation of Internet presence</li> </ol>	<ul> <li>Provision of information</li> <li>continual updating of basic information</li> <li>(cf. also Strategic Aim "Optimise public relations")</li> </ul>	32	Permanent task
68	<ol> <li>Holding of public events</li> </ol>	Increasing trust in the regulatory authority by direct communication with the members of the population concerned (cf. also ILK Report Sec. 2.4 and Item 12 of the Aims and Actions 2008)	32	2010 (one event per year)
68	5. Co-ordination with the press office and the Communication and Public Relations Section at the UM	Using know-how for communication tailored to the needs of the recipient (cf. also Strategic Aim "Optimise public relations")	32	Permanent task
69	<ol> <li>Intensification of the co- operation between Federation and Länder regarding the international exchange of NPP operating experience (co-operation in Federation-Länder Working Group on national regulation)</li> </ol>	Guaranteeing effective German participation in the international feedback of operating experience	32	2010

IRRS Germany - Advance Reference MaterialPage





# List of Regulatory Policy Issues

- Human Resources and Knowledge Management
- Operation Experience Feedback OEF
- Enhancing Regulatory Effectiveness and Competence
- Management of Safety
- Ageing management of NPP's



Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit



## Advance Reference Material



IRRS GERMANY 2008

Advance Reference Material (ARM)

June 2008



•electronic and written versions

# •information to IRRS in English on the UM BW homepage:

http://www.um.badenwuerttemberg.de/servlet/is/43145/

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für Umwelt, Naturschutz und Reaktorsicherheit

#### **IRRS-Project Germany 2008**



													uvm	ALT MINE & TAPAGON			
Time	7.9.2008	8.9.2008	9.9.2008	10.9.2008	11.9.2008	12.9.2008		3.9.2008	14.9.2008	15.9.2008	16.9.2008	17.9.2008	18.9.2008	19.9.2008			
Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday 🙀		aturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday			
		Bonn	Bonn			Stuttgart	S	ituttgart	Stuttgart 5	Stuttgart 8 1	Stuttgart Stuttgart	Stuttgart	Stuttgart				
09:00	Entrance Meeting	Plenary	Discussions with CPs in	Discussions		1		Team		+	Team:						
09:30		•	Bonn	with CPs in Bonn		$  \rangle$	Meeting	Regulatory	Drafting	Finalization Report		Press					
10:00	Arrival in			Introduction	(Modules I, II,	(Modules I, II,	Inspection	$  \rangle$	Team	(cont'd)	Policy Issues -clarification	Report	/Highlights	Preparation	Conference		
10:30 11:00	Bonn Presenta-	and discus- sion of Regu-	III, VII and VIII) and	III, VII and VIII) and	GKN	Meeting		and	of open	(cont'd) (all CPs	Exit-Meeting	for the Exit Meeting					
11:30		tions of all	latory Policy	Stuttgart	Stuttgart (Modules IV, V and VI)				Report	Drafting questions Report (all CPs nec-	necessary)	CPs: Review Draft Report	weeting				
12:00		Modules	Issues (all CPs)	(Modules IV,		1		\	(cont'd)	essary)							
12:30			. ,	V and VI)	,		<u> </u>	<u> </u>				Diant Report					
13:00					l			Also on									
13:30	Bonn		Groups		Discussions			- 10:30 -									
14:00	Dom		(1.1+11;	Discussions with CBs in	with CPs in	Inspection		on requ	ws with CPs lest			(TL: NDF)					
14:30					2. III + VIII;	with CPs in Bonn	Bonn	GKN (cont'd)				Final Dis-	Team				
15:00			3. VII; 4. IV; ↑	(Modules I, II,	(Modules I, II, III, VII and	(cont u)				cussions with CP	Review of		Eit				
15:30	Opening			Presenta-	5. V;	III, VII and VIII) and	VIII) and				(all CPs	the Report	Plenary	Exit Meeting:	Departure		
16:00	Team Meeting	tions of all	6. VI)	Stuttgart (Modules IV,	Stuttgart (Modules IV,	Meeting with	Drafting	1	necessary)	1	Session	Presen-	Stuttgart and Berlin				
16:30	meening	Modules	cont'd) Daily Team Meeting		V and VI)		Report					-	tation of Report to BMU and UM BW	and Berlin			
17:00		(cont'a)			Daily Team	UM BW M'in Gönner											
17:30					Meeting				14:45 - 18:45								
18:00					phone			reserved for	'		Preparation	[	l				
18:30		Daily Team Meeting					ŧι		further	, P		Exit Meeting		l .			
19:00		Transfer Group B and CPs (Modules IV, V, VI) to further Further	meeting	meeting	meeting		1 \			1	d	discussions		Draft Report		19 - 23 h	
19:30					Transfer						1	Daily Team	handover to		Plenary		
20:00					Daily Team	(Modules I,		t			Meeting	୍ୟ		Meeting			
20:30				Meeting			I			_							
21:00									Transfer TL, DTL, TC,								
21:30			further Stutigart Transfer TL,		ļ					Addison,							
22:00	discussions	ļ	4 \	TC, Addison and AL RS						$ \downarrow $		IAEA repre-					
22:30				- \	to <mark>Berlin</mark>		ļ				└── \		sentatives, ALs and				
23:00					<u> </u>							<b>├</b>		U. Winter			
						L	$\vdash$		I	L	<u>├</u> /		to Berlin				
				14:30 - 17:00 h GRS-Interview		- 12:30 h nterview	Ц		5 - 09:45 h vith BM Gabrie	•	↓	14:00 - 16:00					
				(with selected	,	selected			Berlin,	Interview GKN-Management			ent				
				reviewers) in Bonn		reviewers) in Stuttgart Arrival Stuttgart 13:00						Neckarwesthe					
				Donn	<mark></mark>	nigan		Arrival St	uttgart 13:00 h								
		D 00.00 ·															





# Benefits for UM BW

- Confirmation of the compliance with the Safety Standards.
- Recommendations and suggestions for further improvements.
- New perspectives triggered by an intensive review process with the international colleagues (questioning his way of acting).
- Team building between experienced and younger staff (experience exchange, knowledge transfer...).
- Advance Reference Material for training of new staff.
- We appreciated the experience exchange with the international colleagues. Readiness for enhanced international co-operation.



Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit



# Thank you

