

DOKUMENTATIONEN

**27/2015**

# Checklists for surveying and assessing industrial plant handling materials and substances, which are hazardous to water

Summarized list for concluding results of inspection  
made by the method of checklists



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Advisory Assistance Programme (AAP) of the  
Federal Ministry for the  
Environment, Nature Conservation,  
Building and Nuclear Safety

## **Checklists for surveying and assessing industrial plant handling materials and substances, which are hazardous to water**

**Summarized list for concluding results of inspection made  
by the method of checklist**

by

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# Imprint

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### Summarized list for concluding results of inspection made by the method of Checklists

### General data of the examined plant

Date of inspection:

Inspector:

Industrial title of the plant:

Description of definition of the plant:

☐ underground      ☐ overground      ☐ outdoors      ☐ indoor

Conditions for location of the plant:

- ☐ In the valley or cave
- ☐ On the hill / mountain
- ☐ Flood area      The highest level of water during last 100 years.....m
- ☐ Area endangered by earthquakes ( $\geq 4$  by Richter's scale) points: .....
- ☐ Riparian    Distance: ..... m
- ☐ Within the sensitive area                (eg.: in a nature reserve)
- ☐ Near to sensitive area                      Distance: ..... m

Brief description of the soil structure (clay, gravel, sandy clay and etc.)

Approval:  
State authority:  
Data:  
Registration №:

Last inspection:

Note:

In the following Table a definition can be given to any individual plant. This Table serves as a guide of checking document for the plant being inspected.

While defining any individual plant, checklists should be taken into account. The Checklists marked with the sign ☐, should be used for the individual plant. The Checklists, marked with the sign ☐, should be used for the all working range. By marking fields with cross it will be documented, which of the Checklists are in the document.

Nº	Title	petroleum storage	Storage for barrelware	Transshipment plant	Filling plant	Productional plant	Fuel filling station	Polluted territories	Temporarily closed plant	Plants closed for a long time
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	Substance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
2	Devices preventing overfilling	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
3	Pipelines	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
4	Joint storage	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>			
5	Pressurization system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
6	Split waste water flows	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
7	Overload			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			
8	Fire prevention plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
9	Supervision over industrial plants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	
10	Production planning to prevent accidents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
11	Flood protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	
12	Security/safety report	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
13	Storage	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>			
14	Equipment of containers	<input type="checkbox"/>					<input type="checkbox"/>			
15	Temporary closure								<input type="checkbox"/>	
16	Long-term closure									<input type="checkbox"/>
17/18	Oil processing / Industrial facilities					<input type="checkbox"/>				

**Review of identified defects at the individual industrial plant**

Initial Nº	Checklist Nº	Defect	Activity/arrangement	When is to be removed	Responsible	When it was actually removed  Date	Check date
01							
02							
03							
04							
05							
06							
07							
08							

**Calculation of the actual safety level at the individual industrial plant**

№	Checklist	ARC				
2	Devices preventing an overfilling					
3	Pipelines					
4	Joint storage					
5	Pressurization system					
6	Split waste water flows					
7	Overloading					
8	Fire-protection plan					
9	Supervision over industrial plants					
10	Prevention of accidents at the plant					
11	Flood protection					
12	Safety report					
13	Storage					
14	Equipment of containers					
15	Temporary closure					
16	Long-term closure					
17	Oil processing/industrial plants 1					
18	Oil processing/industrial plants 1					
				<b>Number of processed checklists</b>		<b>ARP</b>
	<b>Sum of ARC</b>		<b>:</b>		<b>=</b>	
	<b>WRC-3 equivalence</b>					
	<b>RRP</b>					
	<b>WRI</b>					
	<b>RRP - WRI</b>					

**Periodicity of inspections:**

Following periodicity of inspections is recommended:

- ☐ every 5 years (outside of the protected territory)
- ☐ every 2.5 years (within the protected territory)
- ☐ every ..... years (Shorter periodicity at special cases of danger or a poor status of a plant)

**Next inspection date:**