



**Improving existing institutional frameworks,
legislation and policy related to Emission Limit
Values (ELV) for industrial effluents, industrial
permitting and monitoring systems according to the
IPPC principles and CP concepts**

IPPC Seminar

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Integrated Pollution Prevention and Control

- **Use of an application checklist in permitting procedure - case study**

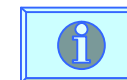
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Structure of the checklist for application documents

1.	General information
2.	Location and vicinity of the installation
3.	Description of equipment and procedure / plans
4.	Used substances
5.	Environmental protection general
6.	Air pollution control
7.	Noise and vibration protection, light effects, electromagnetic fields

Bavarian application checklist





Structure of the checklist for application documents

1.	General information
1.1	Name, address of the operator, if different: from the applicant too
1.2	Contact person with phone, e-mail
1.3	Name of the installation
1.4	Location, address of the installation
1.5	application, scope of the application, listing of already licensed installations and reasons for:
1.5.1	Request of non-participation of public (§ 16 Abs. 2 BImSchG)
1.5.2	Partial permit (§ 8 BImSchG)
1.5.3	Permission of Early Start (§ 8a BImSchG) reasons for this request related to § 8a Abs. 1 Nr. 3 BImSchG
1.6	Consent of the applicant, related to § 12 Abs. 2a BImSchG
1.7	List of all application documents with special labeling of company secrets
1.8	Short description of the planned installation (see. § 4 Abs. 3 der 9. BImSchV)
1.9	Time of the planned start of operating
1.10	Invest cost and building costs



Structure of the checklist for application documents

8.	Installations safety
9.	Waste
10.	Energy efficiency, use of heat dissipation
11.	Nature protection
12.	Environmental Impact Analysis
13.	Cessation of operation
14.	Workers safety
15.	Water
16.	Machinery safety and product safety / Regulation of industrial safety
17.	Ordinance (EC) No 1774/2002 – Ordinance on animal by-products



Structure of the checklist for application documents

9.	Waste
	Notice: waste water is not waste anymore as soon as it is discharged into water bodies or waste water cleaning systems
9.1	Kind, amount, composition and point of origin with waste code related to Directive 2000/532/EG
9.2	Planned measures to avoid and to recycle waste
9.3	Planned disposal if avoiding and recycling is not possible
9.4	Analyses of waste



Using the checklist for application documents

How is working with the checklist functioning ?

- The permitting authority decides, on necessary application documents to start the permitting procedure.
- In the checklist, the normal amount of scopes to be checked and documents are listed. Depending on the special case documents are disposable or more documents are necessary
- The determination of the necessary documents will be done within consultancies in agreement with the permitting authority

Using the checklist for application documents

Example:

Major change of a cement plant by using secondary fuel (waste oil)





Using the checklist for application documents

1.	General information
1.1	Name, address of the operator, if different from the applicant too
1.2	Contact person with phone, e-mail
1.3	Name of the installation
1.4	Location, address of the installation
1.5	Application, scope of the application, listing of already licensed installations and reasons for:
1.5.1	Request of non-participation of public (§ 16 Abs. 2 BImSchG)
1.5.2	Partial permit (§ 8 BImSchG)
1.5.3	Exemption of duty to file an application in accordance with the request according to § 16 Abs. 1 Nr. 2 BImSchG
1.6	Consent of the applicant, related to § 12 Abs. 2a BImSchG
1.7	List of all application documents with special labeling of company secrets
1.8	Short description of the planned installation (see: § 4 Abs. 3 der 9. BImSchV)
1.9	Time of the planned start of operating
1.10	Invest cost and building costs



Using the checklist for application documents

3.	Description of equipment and procedure / plans (extract)
3.1	process description with reaction conditions (e.g. pressure, temperature) Here: Details concerning delivery, storage and supplying the oil to the burner of the cement kiln; description whether the requirements of Waste-Incineration Directive are fulfilled e.g. temperature, minimum time of exposure, automated feed interlocks
3.2	Maximum capacity, daily time of production Here: Details concerning amount (kg/h) and contingent of used waste oil the the thermal capacity of the kiln
3.3	Concerning major change: what parts of the existing installation are influenced by the planned measures
3.4	Flow charts with all parts and auxiliary facilities associated; marking all essential sources for air pollution, noise, waste and waste water Here: Flow charts with delivery ways and location of tanks for storage of waste oil, marking emission sources ...
3.5	Scale investment drawings and building drawings as well as machines installation plans Here: Location of the waste oil tanks, piping
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Using the checklist for application documents

4.	Used substances
4.1	<p>Amount and und composition of all of all raw materials, inter products and end products (material property, Material Safety Data Sheets ...)</p> <p>Here: e.g. Waste oil origin / supplier, pre-treatment / processing of the waste oils by the supplier or in the cement work, classification after danger(non dangerous waste, dangerous waste), chemical composition ...</p>
4.2	<p>Design of the material flow (whole installation or only parts; flow charts)</p> <p>Here: necessary for the whole installation</p>
4.3	<p>Maximum storage capacity and storage conditions</p> <p>Here: Max. stored waste oil, design of the tanks</p>
4.4	<p>Concerning incineration or co-incineration of waste: data related to § 4a para. 3, 9. BImSchV; (article 4 und 5 Directive 2000/76)</p> <p>Here: Waste kinds related to European waste catalogue, minimum and maximum mass streams, the lowest and highest heat value, maximum content in pollutants, e.g., PCB, PCP, chlorine, fluorine, sulphur, heavy metals</p>



Using the checklist for application documents

6.	Air pollution control
6.1	Planned measures to avoid emissions here: Measures concerning tanks, e.g. gas compensation pipe
6.2	Data to pollutants for every source (measurements reports): mass concentration (mg/m^3_n), mass flow (kg/h), Here : waste gas from the kiln and the tanks; is there by-pass at the kiln?
6.3	Planned measures to reduce emissions (e.g. fabric filter scrubber) Here: waste gas cleaning measures at the kiln (electrostatic precipitator, denitrification ...)
6.4	Technical data waste gas cleaning system e.g. Filter surfaces load, voltage
6.5	Waste gas capturing, stacks (height of stacks, waste gas temperature, waste gas volume (m^3_n/h))
6.6	Intended measures for the supervision of the issues in the environment; measurement and if necessary recording the results for the supervision of the effectiveness of the waste gas cleaning system and other proofs and inquiries Here: continuous measurements



Summary

- **Not all documents are necessary in each permitting procedure**
- **Only documents which are really needed were put together. The preparation of provided documents by experts will accelerate the procedure regularly.**
- **The check list offers an flexible instrument for a targeted arrangement application documents without superfluous formalism.**
- **A certain experience from sides of the operators as well as from sides of the permitting authority is necessary for the use of the check list. The flexibility can be used only by an intensive co-operation between permitting authority and operator.**



***Thank you very much for
your attention!***



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