CHECK-LIST FOR THE APPLICANTS. SECTOR LCP.

BASIC PROJECT FOR THE REQUEST OF THE INTEGRATED ENVIRONMENTAL PERMIT OF THE FACILITIES OF :

LOCATED IN:

DATE OF ISSUE:

PREPARED BY :	APPROVED BY :
Name Signature	Name Signature

PRELIMINARY NOTES:

1.-We have based this document on the document elaborated in previous missions: " Integrated Environmental Permits: Suporting Guideline for the applicants ".

2.-This " Check-List for the applicants. Sector LCPs " has been designed to adapt as much as possible to the LCPs basing on the experience that we have in this sector.

3.-In the " Check-List for the applicants. Sector LCPs " we have only considered the Unit of Thermal Production . We have not considered for the moment (this will be discussed during the training):
Landfilling of non hazardous waste.
Landfill and the mine of lignite.

4.-Colour range that has been in use in the production of the " Check-List for the applicants. Sector LCPs "

- ✓ **Black color: like what is indicated in the initial Guide " Integrated Environmental Permits: Suporting Guideline for the applicants ".**
- ✓ **Blue color: New contributions for LCPs.**
- ✓ **Green color: A new very specific chapter: " 6.0 “ that previously it was 6.1: Air quality ".**
- ✓ **Orange color: examples of how should the content of the Check-list be completed by the operator of the installation.**

PROJECT REPORT

The project report shall include, at least, the following basic elements related to the installation:

1. General data:

- Name of the company, trade name, VAT number, full address (including location, province, town, region and country), telephone, fax, e-mail.
- Owner of the installation, operator, legal representative, person in charge of the plant or production (if applicable), person in charge of environmental issues (if applicable) and contact person with his/her corresponding data (full name, position in the company, address, telephone and e-mail).

COMPANY	
Trade name	
Head office	
ZIP code	*City* *VAT*
Province	*Telephone*
Fax	*E-mail*
INSTALLATION	
Name	
Adress	*ZIP code*
City	*Province*
Telephone	*E-mail*
Person of contact	

2. Description of the installation:

2.1. Number of work centres, plants, delegations, headquarters, corporate address... The data of the contact person, position, address, telephone, fax and e-mail should be included for each of the centres.

2.2. Register number of industrial establishments.

2.3. National Classification of Economic Activities (NACE).

2.4. Total number of workers.

2.5. Investments targeted to environmental improvements.

2.6. Organization chart (hierarchic representation of the staff with their corresponding positions or jobs).

2.7. Location: The UTM coordinates should be included, attaching a location map and an installation map.

2.8. Local and/or regional information on the urban planning, soil uses and conditions (orographical, morphological, geological conditions ...), soil classification (urban land, non-urban area, rural land, and industrial and special soils ...) and weather conditions.

2.9. Activity of the Annex 1 of the By-law to which the main activity and associated production capacity belong.

2.10. Main activities and others

2.11. Description of the environmental status of the site where the installation will be located and any impacts that may be foreseen, including any that may arise upon definitive cessation of the activities at the installation(for installations subject to EIA, this information is included in the EIA report).

CHARACTERIZATION OF WORKING REGIME		
Number of staff	*Permanent*	
	Temporal	
Working hours	*Hours/year*	
Date of the start of the activity of the facilities		

Date of commissioning of the Facility

Coordinates UTM	*X:*	*Y:*	*Area and band: ¿29 T?*
Geographical coordinates	*Latitude:*	*Length:*	
Extension of the Facility [m^2]			
Neighboring municipalities			
*Watercourses affected**			
*Nearby infrastructure**			
*Environmental elements affected**			

*Location and distance with respect to the installation

Note:Attach a site plan for 1:5000 mapping

.

CATEGORY OF ACTIVITIES AND FACILITIES	
Main category of activity /Facility	Heading annex 1
Electricity Production	*1.1.a*
Other categories activity/Facility	Heading annex 1
NACE : National Classification of Economic Activities¿***35.16?***	
Investments targeted to environmental improvements*	

* Indicate in recent years .

Information on the Urban planning

Organization chart (hierarchical representation of the staff with their corresponding positions or jobs).

Note : attach chart

Environmental status of the site where the instalation is located.

Environmental impacts.

3. Technical characteristics:

- Nominal production/treatment capacity or size: indicate the present capacity (if any).
- Operational time of the installation: indicate hours and days per week of the activity normal operation. Indicate also if the activity occasionally is operated in other periods (weekly annual variations, peak loads, etc.).
- Planned date for commencing and completion of building activities: date planned for

commencing building activities (for new installations or substantial changes).

- Planned date for starting operation (for new installations or substantial changes).

GROSS AND NET ELECTRICAL POWER OF EACH GROUP OF CURRENTES GENERATORS	
Group Gross power (MWe) Net power (MWe)	
Combustion technology(*)	

(*). FBC: Fluidised bed combustion;FBCB: fluidized bed combustion boiling; BFD: boiling fluidized bed; DBD ; dry bottom boiler and others.

OPERATIONAL TIME OF THE INSTALATION		
Activity normal operation	*Hours /day*	

4. Summary of the production process.First describe the production process, with a schematic flow chart dividedinto phases[1]. For each of these phases the following information must be provided:

- A description of the phase.
- The duration (operational hours).
- The methods of operation (continuous or discontinuous).

[1] The term "phase" means any activity in which the raw materials and auxiliaries, even if made from waste, and intermediates are being processed on a continuous or discontinuous way, extracted, processed, combusted, mixed, supplied, stored, etc.

- The techniques used and specifying which of them are considered as Best Available Techniques (BATs)[2].

Combustion Equipment. Basic elements of the production unit thermal

If they are all the same it is enough to fill one box.

If each unit is different complete a table for each unit.

Facility/ Equipment	Features	Operating time	Is BAT?

Examples of installation / equipment in a production thermal unit could be: Steam generator; turbocharger; water vapor condenser and condensation cycle equipment; air supply and gas evacuation (from boiler to the smokestak); cooling circuit; disposal of ash and slag; systems to reduce or eliminate air pollutants: particulate (electrostatic, bag filters ...) ;sulfur oxides and nitrogen oxides……..

Auxiliary installation.

Facility	Description

[2] As defined in the BAT Conclusion documents approved by the European Commission.

Examples in a production facility:coal storage and homogenization park; station for the screening and crushing of coal/lignite; coal/lignite distribution system to feed mills (mills number and type for each group); water treatment plant for the water-steam cycle and the rest of the plant water intake station for central; smoke stack to vent gases, fuel storage tanks and diesel oil support; substation for electricity production; the treatment plant for effluents; temporary storage of hazardous waste; waste neutralization raft chemical cleaningof boilers……

5. Detailed description of the natural resources, raw and auxiliary materials and products, specifying the type, characteristics and quantity:

- Natural resources:
  a. energy : use of fuel for heat and steam generation and for transport inside the enterprise not including use of fuel for production of electricity or combined power and heat, use of heat and steam from external suppliers, use of electricity, use of fuel for production of electricity and heat -power plants and boiler houses. Possible measures to increase energy efficiency.
  b. water: quantity of water used in the process, intake of surface, ground and marine water –detailed description of intake, and indication of the cases of supply of water from outside or re-circulated
- Raw materials: list and quantities of raw materials, indicating hazardous or non-hazardous character

- Auxiliary materials: list and quantities of auxiliary materials, indicating hazardous or non-hazardous character
- Products and by products: list of output products types and quantity generated of each of them, per hour, day or year, or as expressed in the units indicated in the Annex I of the Integrated Environmental Permit By-Law.

Annual consumption: water and electricity

Year	Water Annual amount [m3)	Electricity (MWhb)
A		
A+1		
A+2		
A+3		

Annual consumption: liquid fuels ; Coal/lignite

Year	Fuel (t)	Gasoil (t)	Coal/lignite(t)
A			
A+1			
A+2			
A+3			

Year	**Electricity generated(MWhb)**
A	
A+1	
A+2	
A+3	

Auxiliary materials and other products consumed

Auxiliary material or product consumed	
Annual amount(t)	
State (solid, liquid, gas)	

Storage place	
Input stage processs	

Note: the applicant should cover many tables or columns as auxiliary materials involved in the process. Examples: products used in water purification, in the gas cleaning lines .....

Waste or / Byproducts (amounts in tonnes)

Coal ash (%, s/b)	
Fly ash (s/s)	
Slag (s/s)	

6. Environmental emission and controls:

6.0.- Air Quality

DISPERSION STUDIES AND AIR QUALITY.(Art. 30.1. IED"Industrial Emissions Directive" and **" Integrated Environmental Permits: Suporting Guideline for the applicants " chapter 5 "5.1.2.2 ").**

Atmospheric dispersion study using mathematical models of dispersion of international recognition.

You must use a diffusion model that is accepted for LCPs incorporating meteorological stations in the area, atmospheric stability data (normally the classification used Pasquill-Gifford), height of the mixed layer (the atmosphere is uniformly mixed) and topographic relief.

Calculation of annual average hourly and daily exceedances and average every eight

hours as envisaged in the Directive on air quality for NO_2, NO_X, SO_2, PM_{10}, $PM_{2,5}$ and CO.
Smoke stack height calculations?. In LCPs SHOULD BE OK,

AIR QUALITY CONTROL NETWORK

According to Directive 96/62/EC do you have an air quality control network?

Automatic stations		
Number of stations		
Parameters controlled		
Station name	Parameter/s	Value average(daily,monthlyor yearly)

Note: The applicant, if any, must include the data from the previous checks performed
.

Include a geographical map of the surrounding area showing the industry position regarding nearest inhabited places, indicating the number of inhabitants in each town/village. This map should also outline forested areas or existing crops, along with their characteristics

6.1. Atmospheric emissions:

6.1.1. Channeled emissions:

- Description of emissions points: for the emissions produced in each stage, specify the destination. In particular, indicate whether:
  - It is piped directly to the atmosphere (in this case indicate the number characterizing the emission point).
  - It is sent to successive stages of work.
- Requirements and technical conditions of the focus: height to ground level, diameter, outlet horizontal / vertical.
- Gaseous effluents generated: characterize the emissions that originate, specifying them qualitatively and quantitatively. The description should at least provide the following data:
  - Pollutants emitted indicating mass flow [kg / h] and concentration [mg / m³].
  - Air flow [m^3 / h to 0ºC and 0,101MPa and % O_2].
  - Temperature.

- Abatement equipment: techniques adopted for the treatment of emissions originated in each stage.

  This table should be provided:

Emission point		Flow (Nm^3/h)	Emission duration (h/day)	T (ºC)	O_2(%)	Pollutant	Method	Emission point height above ground (m)	Diameter or side section (m or m^2)	Abatement system[3]	Observations
No	Description					Concentration (mg/Nm^3)	Description				

We could add in the table:Coordinates UTM

[3] For example: C= Cyclone; F.T.= Fabric filter ; P.E.= Electrostatic precipitator; A.U.V.= Venturi wet scrubber; A.S.= Absorber; A.D.= Adsorber; P.T.= Thermal post-combustion; P.C Catalytic post-combustion; Others= specify.

- Plan for Monitoring and Control:It will contain the following data: Emission point, pollutant, sampling, control and data collection, transmission and registration system. The plan may be in any case subject to the modifications considered relevant by the Competent Authority.

  This table should be provided:

Emission point	Pollutant	Monitoring and Control			
		Internal/ External	Frequency	Description	Reports

6.1.2. Non channelled emissions (fugitive emissions):

- Description of the sources of fugitive emissions and identification of the substances that may be present in such emissions must be provided, mentioning as well as the existence of nearby villages.

  This table should be provided:

Emission source		Pollutant	Nearby villages affected by the source
No.	**Description**		

- Estimation or calculation of fugitive emissions arising from the installation, expressed as a mass flow for each pollutant, describing the procedure of estimation / calculation used to obtain the quantities. If the estimate is made from real measurements, the relevant certificate and an analytical plan in which sampling points are defined must be attached.
- Note : International EFs (emission factors) are available.

6.2. Noise emissions:

- Description of the main sources, including:
  - Description of the type of activity, existing or planned the production process, equipment and machinery that are expected to be used, location of the installation and the description of the surrounding area.
  - Description of the scheduling of activities and those of main and subsidiary operations within the installation, specifying the temporal characteristics of activities, such as the possible seasonal nature, duration during the day and night and if that period is continuous or discontinuous, the operating frequency, the possibility/need during the year that doors or windows are open, simultaneous sound sources, etc.

This table should be provided:

Description scheduling of activities			
Activity	**Season**	**Duration during the day and night**	**Frequency**

  - Description of noise sources related to the activity, their location and the characterization of each noise. It will include the indication of the data related to acoustic power of the different noise sources or, if not available, sound pressure levels, presence of an impulsive and tonal component, and, if necessary, the directionality of each source. In situations of uncertainty on project type or location of sound sources to install, emission levels should be estimated by analogy with those from similar sources.

This table should be provided:

Identification and description of noise sources						
Identification of noise sources	**Description**	**Location**	**Characterization of noise**	**Frequency**	**Sound Power or Sound**	**…**

					Pressure	

- Identification and description of receivers (eg hospitals, schools, homes, parks, etc.) present in the surrounding area, with details of their relevant characteristics in terms of noise (eg intended use, height, distance from the installation or activities planned, etc.).

This table should be provided:

Identification and description of receivers				
Receiver	**Intended use**	**Height**	**Distance**	**……**
Receiver 1	Hospital	……	……	……
Receiver 2	School	……	……	……
Receiver 3	Homes	……	……	……
Receiver 4	Park	……	……	……

Note :Noise issues must be conditionesd as specified in the laws of the Turky.

6.3. Wastewater discharges:

- Description of the Waste Water Flows: A summary list of flows (including process, sanitary and rain waters), together with maps, drawings and supporting documentation should be included. For each of the flows the following information should be provided:

- Industrial wastewaters: details of all emission sources of industrial waste waters[4] and emissions points from them to the receiving medium (inland and sea surface water) or to the public sewage system with the industrial waste water (pre)treatment plant data should be provided.
- Sanitary Waters: details of all emission sources of sanitary waste waters and emissions points from them to the sewage system with external or internal waste water treatment plant data should be provided.
- Rainwater discharges: details of all emission sources of rainwater (rainwater drainage) and emissions points from them to the receiving media should be provided.
- Other discharges: a detailed overview and a summary of emissions into ground (land spreading) should be provided. An assessment of waste water discharge into the ground from existing or planned waste water discharges should be provided and it should include at least the following information: amount of water per day/per year, way of discharging (filtration, land spreading), protection of groundwater – description of the geology, hydrogeology, meteorological conditions, location of discharging, distance to drinking water zones, …

This table should be provided:

[4]In case of cooling systems (direct cooling, indirect cooling, open/close loops), description and supporting documentation (like the list of substances used in cooling waters in an existing installation, and heat discharge calculation sheets) should be also provided.

1. Data for the discharge					
1. Description					
Discharge name		code			
U.T.M. coordinates		X:		Y:	
Municipal/region name		code		Parcel No:	
2. General data					
Discharge into:					
Public sewage (y/n)		Sewage with WWT (y/n)		WWT name	
Sewage network		Sewage with WWT (y/n)		WWT name	
Inland or sea surface water (y/n)		Surface water name			
Soil (groundwater) (y/n)		External professional opinion by institute enclosed (y/n)			
Other		description			

3. Volume flow, amount and type of waste water for particular stream which is conducted on that discharge				
Kind of stream: industrial, sanitary and rainwater on that discharge				
Stream code	X1	X2	X3	X4
Waste water type				
Max. 6 hours average volume flow (l/s)				
Max. amount per day (m^3/day)				
Max. annual amount (m^3/a)				
actual annual amount (m^3)				
Type of discharging:				
Total area collecting rainwater (m^2)				

- Requirements and technical conditions of the discharging points: Detailed description of the existing sampling points within the installation, for each of the wastewater flows. Besides, the following information about existing wastewater depuration systems shall be provided:
  - Industrial Waters: Detailed description of the industrial WWT plant or other depuration systems. For each industrial WWT plant the operational procedure should exist together with operational records. The operational procedures should include at least the following information:
    - WWT plant operator.
    - Information regarding the input specific substances/pollutants.
    - Treatment techniques; Pollution reduction %.
    - Average emission value after (pre)treatment: Normal operation (Kg/tonnes product)/ Abnormal operation (start-up, etc).
    - WWT plant operational data (technology/process description, WWT plant efficiency).
    - Management of sludges (solid or liquid) after treatment.
    - Operational and maintenance procedure.
    - Procedure for the control together with monitoring system.
    - Corrective actions in case of accidents (incidents) together with start-ups and WWT plant interruptions.
    - Maintenance and preparation procedure of operational records.

This table should be provided:

WWT operator	**Type of industrial WWT:**			**Treatment technique:**	
	Specific substances input	**Average EVLs after treatment at normal condition, kg/tonnes**	**Average EVLs after treatment at abnormal condition, kg/tonnes**	**WWT efficiency, %**	**Sludges (liq./sol.), kg**
WWT control status of monitoring system					
Continuous measurement			Discontinuous measurement (key parameters)		
pH	Tª	Waterflow, m^3	COD	Heavy metals	other
Accident/incident:					
Corrective action:					
Maintenance:					

Date/Location/Signature:	

- Sanitary Waters: detailed description of the sanitary WWT plant and all techniques for pollution prevention should be described.
- Rainwaters: description of all the buffer measures implemented to contain rainwaters.
- Other discharges: detailed description of the decentralised or centralised (on-site or off-site) treatment facilities or other depuration systems and all techniques for pollution prevention should be described.

▪ Description of BAT implementation:

- Current situation and comparison with the BATs[5]: You should take as a reference the BAT Conclusions of the BREF documents available, both vertical and horizontal.

This table should be provided:

Discharging point		Pollutant/s	BAT implemented
N°	Description		

[5] As defined in the BAT Conclusion documents approved by the European Commission.

- Actions and deadlines to meet the BATs: Proposals for compliance with the BATs with the appropriate timing adjustment should be provided.

This table should be provided:

Discharging point		Pollutant/s	BAT which will be implemented	Implementation schedule
N°	Description			

- Plan for Monitoring and Control: It will contain the following data: Emission point, pollutants, sampling, control and data collection, transmission and registration system. The plan may be in any case subject to the modifications considered relevant by the Competent Authority.

This table should be provided:

Discharging point	Pollutant/s	Monitoring and Control				
		No.sample	Internal/ External	Frequency	Description	Reports

Reports should be available about the receiving environment of discharges of treated wastewater. Physical, chemical and biological parameters of the receiving water bodies of the effluent from the LCP (upstream and downstream of the discharge point).
The environmental quality of the receiving environment must be known.

6.4. Waste:

6.3.1. Hazardous waste:

6.3.1.1. Waste production:

- Waste characterization:Detailed description of the activities (related to the production processes or to other activities not related to production processes) where the hazardous waste is generated. Information related to classification, labelling and storage of hazardous waste should be provided.

- Storage conditions:Description of key features of storage (area, height, type of floor, presence of isolating covers, spill prevention devices).

This table should be provided:

European Waste Catalogue	Description of the activity	Quantity	Unit	Storage system

- Description of BAT implementation:
  - Current situation and comparison with the BATs[6]: You should take as a reference the BAT Conclusions of the BREF documents available, both vertical and horizontal.

This table should be provided:

Storage system	BAT implemented
Description	

  - Actions and deadlines to meet the BATs: Proposals for compliance with the BATs with the appropriate timing adjustment should be provided.

This table should be provided:

[6] As defined in the BAT Conclusion documents approved by the European Commission.

Storage system	BAT which will be implemented	Implementation schedule
Description		

- Plan for the minimization of waste.A detailed description of the plan prepared to minimize hazardous waste generated per product unit in production processes. The plan may be in any case subject to the modifications considered relevant by the Competent Authority.

6.3.1.2. Waste management:

- Offsite transfer to authorised waste operators: identification of the transfer and shipment notification of hazardous waste should be provided.

- In-site treatment of waste: describe in detail treatment given to each waste, quantities treated. Include a detailed map showing the areas related to the treatment given to each type of waste. Measures to handle waste to mitigate the risks to human health and the environment should be provided.

This table should be provided:

European Waste Catalogue	Description	Quantity	Unit	Treatment operations

- Admission procedure for waste: description of the procedure for admission of waste should be provided including the way that the operator implements the following aspects:

1. Check of the documentation (approval of the vehicle, monitoring and control document fill-in...).
2. Weight and register of the load (weighing, date and time of arrival, waste origin, type of waste, waste vessel...).
3. Visual inspection.
4. Characterization and / or periodic sampling of the waste.
5. Notification to the Competent Authority in the absence of waste acceptance.

- Treatment operations:description of the treatment operations including the following aspect:

1. A flow chart of treatment operations.
2. The techniques[7] used for the treatment operations.
3. The quantity of materials recovered.
4. Any energy recovery (mode, use, quantity).
5. Nominal capacity of the system (kg / h).
6. Current capacity of the system (kg / h).
7. Number of daily hours of operation.
8. Number of days in a year.

This table should be provided:

Treatment operations					
Quantity of material recovered (ton/g)	**Type and quantities of energy recovery (Kwt/h) or (Kwe/h)**	**Nominal capacity of the system (kg / h)**	**Current capacity of the system (kg / h)**	**Number of daily hours of operation (h)**	**Days in a year**

- Technical requirements for disposal: describe in a detailed manner the activities that will be carried out for the final disposal of the rejected materials resulting from the treatment operations.

[7] A comparison of the techniques used with respect to the BATs included in the BAT Conclusion documents approved by the European Commission should be provided.

6.3.2. Non-hazardous waste:

6.3.2.1. Waste production:

- Waste characterization:Detailed description of the activities (related to the production processes or to other activities not related to production processes) where the non hazardous waste is generated.

This table should be provided:

European Waste Catalogue	Description	Quantity	Unit

6.3.3. Packaging waste:

6.3.3.1. Waste production:

- Waste characterization:Detailed description of the packaging waste generate (related to the production processes).

This table should be provided:

European Waste Catalogue	Description	Quantity	Unit

- Plan for the minimization of waste: A detailed description of the plan prepared to minimize[8] packaging waste generated in production processes. The plan may be in any case subject to the modifications considered relevant by the Competent Authority.

[8] Minimization means reducing the material amount of the packaging waste in (quantitative prevention) and the harm that these materials can cause in the environment (qualitative prevention).

6.4. Soil and groundwater protection:

- Requirements and Technical Conditions:
  - Safety measures for storage: Detailed list of all storage tanks and other storage should be indicated (see the following table) as follows:
    1. Reference number, location/code.
    2. Content (chemical substances, products and/or by-products).
    3. Type (underground, on the ground, indoors) and size.
    4. Age.
    5. Location on site.
    6. Distance from sewer – enclosed a map.
    7. Date of last check/test made by competent laboratory.
    8. Technical check-up, prevention techniques, BAT.

This table should be provided:

Storage tanks with description						
Tank code	**Tank volume (m3)**	**Content**	**Age**	**Date of last check/ test**	**Prevention techniques specifying BAT**	**Type underground/ on the ground tank**

  - Systems of drainage or collection of potentially polluted waters: A detailed description concerning maps, drawings of systems of drainage or collection of potentially polluted waters should be provided by the operator of the installation.

Soil and groundwater

Soil : Art 22 IED: Industrial Emissions Directive

Neither soil reports are requested where the LCP nor groundwater in the vicinity of the LCP.

Turkey has a law of uses and environmental quality of soils (from the environmental point of view)?

It should be indicated whether there is any analytical soil analysis available.

What parameters discussed in If so inorganic and / or organic?. Analytical values.
If you have made or assessed the risk index of soil contamination.

6.5. Operation under not normal conditions:

- Description of the operation modes different from the normal operation (start-up and shut-down operations, leaks, malfunctions, momentary stoppages, definitive cessation of operations, etc) and of the situations which cause them.
- Expected emissions under those circumstances (pollutants and concentrations).
- Expected percentage of operation under those circumstances (hours/year).
- Special measures planned to be followed under those circumstances and goals to be achieved by taking those measures.
- Systems for the monitoring and control of parameters under those circumstances.
- Description of the operation under emergency situations.
- Measures previewed to be taken upon definite cessation of activities to avoid any risk of pollution and return the site of operation to the state defined in the baseline report (the baseline report is defined below, in subsection III.vi)

Art 30 and art. 37 IED (very important in LCPs).

ANNEXES .

Annex 1. - Future actions in the LCP in order to minimize the environmental impact of its activities and / or adapt to the new legal requirements.

For example:; improvements in gas cleaning systems, improvements in plant's wastewater treatment, ...

Annex 2. - BATs. / Best environmental practices (BEPs).

A listing of BATs for each process line. Summary of each indicating what environmental improvement related to the BAT when it was implemented. Example:

A. - Related to LCPs:
1. Unloading, storage and handling of solid fuels.
2. Pretreatment of fuel.
3. Combustion
4. Particle emissions.
5. Emissions of heavy metals.
6. Emission of sulfur dioxide.
7. Emission of nitrogen oxides.
8. Carbon monoxide emissions.
9. Water pollution.
10. Waste.
11. Thermal efficiency (see Annex 3)

Example:Process line: Unloading, storage and handling of solid fuels.

BATs/ BEPBs	Is BAT? Yes/no	Environmental improvement	Is in place? If not , what is the date of implementation ?

B. Concerning industrial cooling systems.

1. Reducing energy consumption.
2. Reduction of water needs.
3. Maintaining the quality of water supply.
4. Reduce water spills.
5. Reducing air emissions.
6. Reduction of noise emissions.
7. Reduction of biological risk.

Example: Reduction of biological risk.

BATs BEPs	Is BATs ? Yes/no	Environmental improvement	Is in place? If not , what is the date of implementation

C. - Related to waste treatment activities prior to recovery / disposal.

1. Environmental management.
2. Waste.
3. Management systems.
4. Installation and management of raw materials.
5. Storage and handling.
6. Treatment of air emissions.
7. Wastewater management.
8. Management of waste generated in the process.
9. Soil contamination

Example: Treatment of air emissions.

BATs BEPs	Is BATs ? Yes/no	Environmental improvement	Is in place? If not , what is the date of implementation

D. Concerning Emissions from storage.

1. Storage of liquids and liquefied gases.
2. Transport and handling of liquids and liquefied gases.
3. Storage solids.
4. Transfer and solids handling

Example: Transport and storage of liquids and liquefied gases.

BATs BEPs	Is BATs ? Yes/no	Environmental improvement	Is in place? If not , what is the date of implementation

Annex 3. - Measures to reduce specific energy consumption and improve energy efficiency.

For example: Improved boiler and insulated ducts; Implementing maintenance practices "frequency and intensity in fuel preparation systems and combustion .....

OTHER DOCUMENTATION DIFFERENT FROM THE PROJECT REPORT

i. **Submittion of an Environmental Impact Assessment (EIA) Report according to the legislation on the environmental impact assessment to the Competent Authority and after its acceptance preparation of the EIA report and project presentation file**(if applicable to the installation, taking into account if it is a new or existing installation. Existing installations shall not require EIA)**.** The report is the one mentioned in article 11 of the EIA By-Law 26939.

ii. **A report from the competent administration responsible of development plans and landscape planning in which the site for the installation is located, evidencing compatibility of the project with urban planning provisions.** If the applicant applied for such report to that competent administration and no report is provided within 40 working days, that report shall be replaced by the applicant with a copy of the application for the report. In any case, if the urban report is negative, the Competent Authority will bring the permit procedure to an end.

iii. **A report from the Competent Authority on control of major-accident hazards involving dangerous substances, classifying the activity according to the legislation.**

iv. **Identification of the information which the applicant deems to be confidential under the provisions in force.** When assessing this point, the applicant should take into account that the application will be submitted to public information during 15 working days, plus the legislation applicable.

v. **Any other documentation evidencing compliance with the requirements under the applicable environmental legislation on obligatory security or insurance**[9].

vi. **Any other documentation evidencing compliance with the requirements under the applicable environmental legislation.**

[9] We should take care that this part is compatible with the final version of the By-Law.

vii. **Any other documents required by the Competent Authority.**

viii. Where the activity involves the use, production or release of relevant hazardous substances and having regard to the possibility of soil and groundwater contamination at the site of the installation, the operator shall prepare and submit to the Competent Authority with the application a baseline report or before a permit for an installation is updated for the first time. The baseline report shall contain the information necessary to determine the state of soil and groundwater contamination so as to make a quantified comparison with the state upon definitive cessation of activities provided for under Article 29.2(site closure)**. The baseline report shall contain at least the following information:**

A. information on the present use and, where available, on past uses of the site;

B. **information on soil and groundwater measurements that reflect the state at the time the report is drawn up having regard to the possibility of soil and groundwater contamination by those hazardous substances to be used, produced or released by the installation concerned**.

C. Plan for monitoring and control of surveyof the state of soil and groundwater contamination.

ix. **The application for an Integrated Environmental Permit shall be accompanied by a non-technical summary of the details specified in the foregoing paragraphs, to enable their comprehension in the public information period**. Concerning this report there is no maximum size.

Important :**Environmental Liability Directive**