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| **5th Screening Workshop**  **Pressures assessment**  **Data collection on EPER**  Annex 2 |
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| ECRAN - 60516 |
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| **Beneficiaries:** |

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| **ECRAN beneficiary countries (Albania, Bosnia and Herzegovina, former Yugoslav Republic of Macedonia, Kosovo\*, Montenegro, Republic of Serbia and Turkey)** |

Reference: <http://ec.europa.eu/enlargement/taiex>**.**

Annex 3

**Pressures assessment: data collection on EPER**

1. **Background**

According to the Commission decision of 17 July 2000 on the implementation of a European pollutant emission register (EPER) according to Article 15 of Council Directive 96/61/EC concerning integrated pollution prevention and control (IPPC), the Member States are obliged to deliver data on emissions of pollutants by industrial facilities to air and water.

The designed template aims to provide information on point sources of pollution from industrial facilities only to water, “direct to water” and “indirect to water”.

Values indicated under “direct to water” are emissions by facilities directly into the water environment.

Values indicated under “indirect to water” are releases by facilities via a sewer system into an off-site municipal or industrial WWTP.

The assessment of industrial pollution will be used for compiling the program of measures addressing industrial pollution in Drina RB.

1. **List of activities relevant for EPER reporting**

The following table provides the list of activities relevant for EPER reporting:

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| **1. Energy industries** |
| 1.1 Combustion installations > 50 MW |
| 1.2 Mineral oil and gas refineries |
| 1.3 Coke ovens |
| 1.4 Coal gasification and liquefaction plants |
| **2. Production and processing of metals** |
| 2.1/2.2/2.3/2.4/2.5/2.6 Metal industry and metal ore roasting or sintering installations; installations for the production of ferrous and non-ferrous metals |
| **3. Mineral industry** |
| 3.1/3.3/3.4/3.5 Installations for the production of cement klinker (>500 t/day), lime (>50 t/day), glass (>20 t/day), mineral substances (> 20 t/day) or ceramic products(>75 t/day) |
| 3.2 Installations for the production of asbestos or asbestos-based products |
| **4. Chemical industry and chemical installations for the production of:** |
| 4.1 Basic organic chemicals |
| 4.2/4.3 Basic inorganic chemical or fertilisers |
| 4.4//4.6 Biocides and explosives |
| 4.5 Pharmaceutical products |
| **5. Waste management** |
| 5.1/5.2 Installations for the disposal or recovery of hazardous waste (> 10 t/day) or municipal waste (> 3 t/hour) |
| 5.3/5.4 Installations for the disposal of non-hazardous waste (> 50 t/day) and landfills (> 10 t/day) |
| **6. Other Annex I activities** |
| 6.1 Industrial plants for pulp from timber or other fibrous materials and paper or board production (> 20 t/day) |
| 6.2 Plants for the pre-treatment of fibres or textiles (> 10 t/day) |
| 6.3 Plants for tanning of hides and skins (> 12 t/day) |
| 6.4 Slaughterhouses (>50t/d), plants for the production of milk (>200t/d), other animal raw materials (>75t/d) or vegetable raw materials (>300t/d) |
| 6.5 Installations for the disposal or recycling of animal carcasses and animal waste (>10t/d) |
| 6.6 Installations for poultry (>40000), pigs (>2000) or sows (>750) |
| 6.7 Installations for surface treatment or products using organic solvents (>200t/y) |
| 6.8 Installations for the production of carbon or graphite |

1. **Instructions on how to fill in the templates**

The MS-Excel file consists of 4 templates in which data has to be filled in:

1. General Information: Report ID, Reference Date and contact person.

The sheet should provide information on competent authority and person, responsible for the reporting in the country and the contact details.

2. Facilities: name of the facility, ID of the facility, address, coordinates.

The sheet should contain full information on the industrial facilities, carrying out one or more then one of the EPER activities, listed above (from the drop-down list in the column “Name of the EPER activity”). The parent company is a company that owns or controls the company operating the facility (for example by holding more than 50% of the company's share capital or a majority of voting rights of the shareholders or associates). Each facility should be listed with its identification name and number. Address, coordinates of the location and main economic activity also should be listed (from the drop down list- NACE code).

3. Releases to water direct.

This sheet is connected with the general information on the facilities via Facility ID code. The sheet indicates the value of loads, due to direct discharges to water. Here should be reported releases to water of any pollutant specified in the Annex II of the regulation (see table below) for which the applicable threshold value is exceeded. All releases should be expressed in kg per year. The reported release data must include reference to the determination of methodology used for the reported release data – M (measured), C (calculated) or E (estimated).

Any data that relate to the accidental releases should be specified. The quantity of accidental releases has to be included in the total quantity of releases (example: accidental release = 1 kg/y, routine release = 10 kg/y, total release = 11 kg/y)

In addition information on the river basin district and the ID of the receiving water body are requested.

All pollutants relevant for EPER data collection are included in the templates. As the number of all pollutants is large, there are some empty columns, right after the “pollutants”, where you can choose the respective pollutant from a drop down list of pollutants, in case there is a release.

4. Releases to water indirect

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| **No** | **Pollutant name** | **Threshold for releases in kg/y** |
| 1 | Total nitrogen | 50 000 |
| 2 | Total phosphorus | 5 000 |
| 3 | Arsenic and compounds (as As) | 5 |
| 4 | Cadmium and compounds (as Cd) | 5 |
| 5 | Chromium and compounds (as Cr) | 50 |
| 6 | Copper and compounds (as Cu) | 50 |
| 7 | Mercury and compounds (as Hg) | 1 |
| 8 | Nickel and compounds (as Ni) | 20 |
| 9 | Lead and compounds (as Pb) | 20 |
| 10 | Zinc and compounds (as Zn) | 100 |
| 11 | Dichloroethane 1,2 (DCE) | 10 |
| 12 | Dichloromethane (DCM) | 10 |
| 13 | Chloro-alkanes (C10-C13) | 1 |
| 14 | Hexachlorobenzene (HCB) | 1 |
| 15 | Hexachlorobutadiene (HCBD) | 1 |
| 16 | Hexachlorocyclohexane (HCH) | 1 |
| 17 | Halogenated organic compounds (as AOX) | 1 000 |
| 18 | Benzene, toluene, ethylbenzene, xylenes (as BTEX) | 200 |
| 19 | Brominated diphenylethers | 1 |
| 20 | Organotin compounds(as total Sn) | 50 |
| 21 | Polycyclic aromatic hydrocarbons | 5 |
| 22 | Phenols (as total C) | 20 |
| 23 | Total organic carbon (TOC) (as total C or COD/3) | 50 000 |
| 24 | Chlorides (as total Cl) | 2 000 000 |
| 25 | Cyanides (as total CN) | 50 |
| 26 | Fluorides (as total F) | 2 000 |