

Strengthening capacities in B&H to address
environmental problems through remediation of
high priority hot spots

B&H Sites:
Tuzla University Clinic Center and
Ugljevik Thermo Power Plant

Activity 1 - Remediation of two environmental Hot Spots in B&H

Tuzla - Current situation in University Clinic Center

- Both hospitals have their own central heating system based on coal.
- Total consumption of coal 6,000 tons per year.
- Hospital's central heating systems (boiler rooms) are providing:
 - Winter-time heating
 - Whole year sanitary hot water
 - Process steam

New situation in University Clinic Center Tuzla will be:

- Gradina hospital
- Hospital central heating system will be completely restructured using following new systems:
- District heating system – winter season heating and winter season sanitary hot water
- Restructured boiler room.
- Currently there are coal based boilers that will be turned into natural gas boilers for supply of:
 - → Whole year process steam
 - → non-winter season sanitary hot water
 - → Serve as secondary heating system in case of district heating malfunction

Results:

- Significant reduction of CO₂ emissions by connection to district heating system. Current coal based system will be removed completely and will use current district heating system capacities – no increase of energy production in district heating system needed.
- Significant cost reduction in heating, process steam and sanitary hot water. There are no exact figures at the moment but approximate calculation is that the investment will be paid back in approximately 3 years.

Status of project activities:

- Project Design for both hospitals completed and submitted by partners.
- Independent International Engineer (IIE) – ToR created, advertized and closed on 1st December 2008. IIE will be hired and start working on Project Design Revision before the end of December 2008.
- EIS for Tuzla is in final stage, it is expected to be completed by the end of December 2008.

Ugljevik - Current situation in Thermo Power Plant:

- Thermo Power Plant Ugljevik is currently using old system of water treatment based on large quantities of chemicals with enormous discharge of salt into the river.
- By reconstruction of water treatment system new situation will be as following:
- Reduction of usage of chemicals for water treatment in amount of 60%.
- Reduction of discharge of salt into the river in amount of 68%.
- Cost savings in water treatment in amount of approximately 200,000 USD per year.

Status of project activities:

- Project Design for reconstruction completed and submitted by partners.
- Independent International Engineer (IIE) – ToR created, advertized and closed on 2nd December 2008. IIE will be hired and start working on Project Design Revision before the end of December 2008.
- EIS for Ugljevik completed.

2. Raised awareness and strengthened local capacity

- Developed and advertized ToR for Short-term Local Consultant for Public Awareness – the Consultant will be hired and start working by the end of December 2008.
- Public Awareness Campaign will be developed in March 2009 and the implementation will start within March 2009.

3. Mobilizing and enhancing professional capacity at all levels

- Market Survey assessment completed. It is in the stage of entering data into regional database. Still to be completed is final report.
- Policy Integration Assessment is in final stage. Hired Consultant is currently waiting for comments/ recommendations by UNDP. It is expected to be completed by the end of December 2008.
- The themes for Capacity Building to be developed by the end of December 2008.

Challenges

- Biggest challenge in B&H was to obtain Project Documentation from Local Partners. After the MoU was signed, it was agreed that the Local Partners will develop Project Documentation needed for tendering procedure for clean-up works.
- Also, the challenge for B&H was signing of ProDoc by Government. In B&H the Government at all levels is very complicated and rather slow.

Planned activities and anticipated challenges in 2009

Planned activities

- Clean-up works – to be fully completed by the end of 2009
- Capacity Building – to start in early spring 2009
- Public Awareness Campaign implementation – start in early spring 2009 and to be completed by the end of the 2009
- Pilot projects implemented in 2009

Anticipated challenges

- Activities that have to be completed by Local Partners such as Building permit etc.

Thank you!