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# **Strengthening Capacities in UNMIK Kosovo to Address Environmental Hot Spots (Hotspots)**

*Project funded by the Government of the Netherlands and implemented by UNDP*

**Programme Progress Meeting**

**Project Manager: Esad Jusufi**

# I. Clean Up activity

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## Situation before in Artana / Novo Brdo

The lead and zinc mine at Artana/Novo Brdo is located 34 km east of the Kishnica Processing Plant.

Processing Plant is serving as the treatment facility for the Artana/Novo Brdo Mine

The tailings are air-exposed and uncovered. They are subject to strong erosion by river. At both dump locations, the material has slumped into the stream bed, and added considerably to the pollution of the river.

Two large tailings impoundments, 1.5 km between, are located at the embankments of the Krivareka River:

1. River bed protection at Tailings T1 (approx 0.2-0.3 Mill t), Rehabilitation Cost: 150,000 Euro
2. River bed protection at Tailings T2 (approx 1.5 Mill t) – Rehabilitation Cost: 199,000 Euro
3. Kishnica 4200t, Relocation of tailings to new site – Cost; 10,350 euro

## Stan Terg/ Stari Trg

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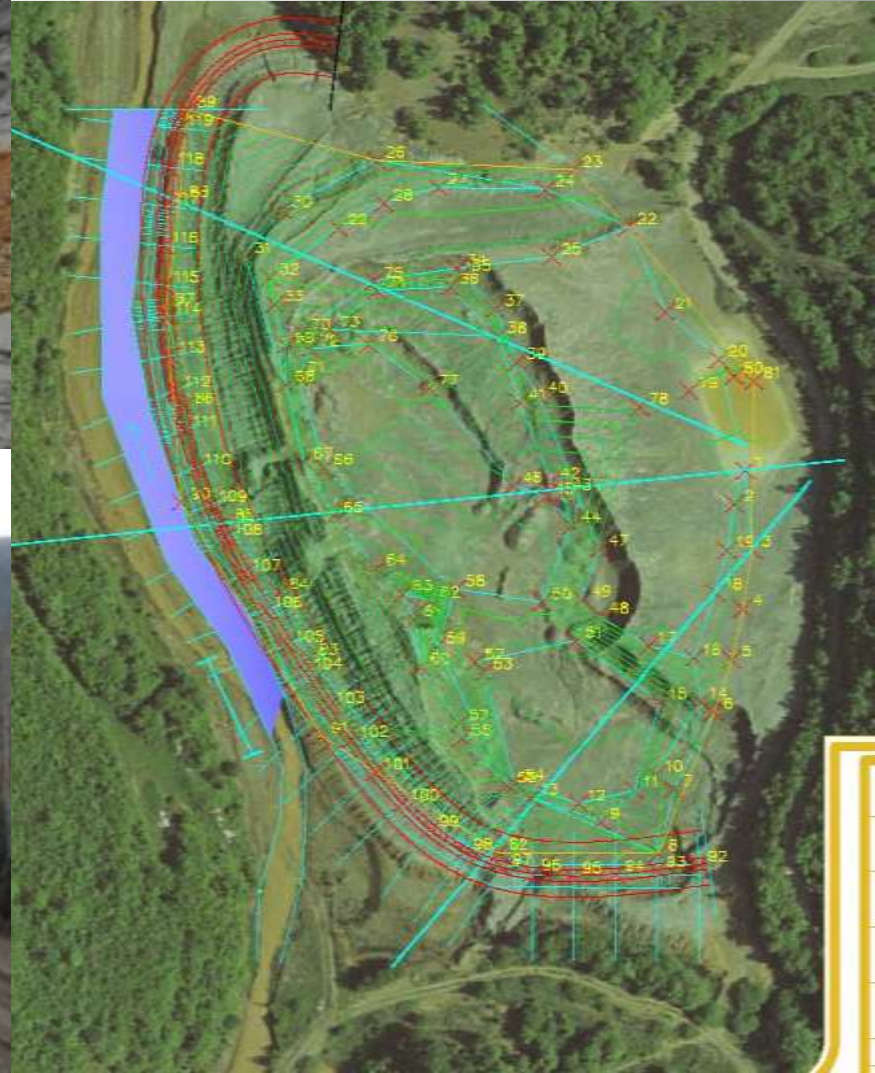
Significant tailings impoundment with 2 mil t, covering area 20 ha, located about 2.5 kilometers southwest of the Processing Plant.

Air-Dust remains one of the biggest environmental problem; dust blown from the tailings during high wind events in dry weather periods attacking Mitrovica City and villages around tailings . (Pb, Zn, Cd, As):

Reinforcement and leveling and rehabilitation of Dam Crest – Cost;  
153,000 euro

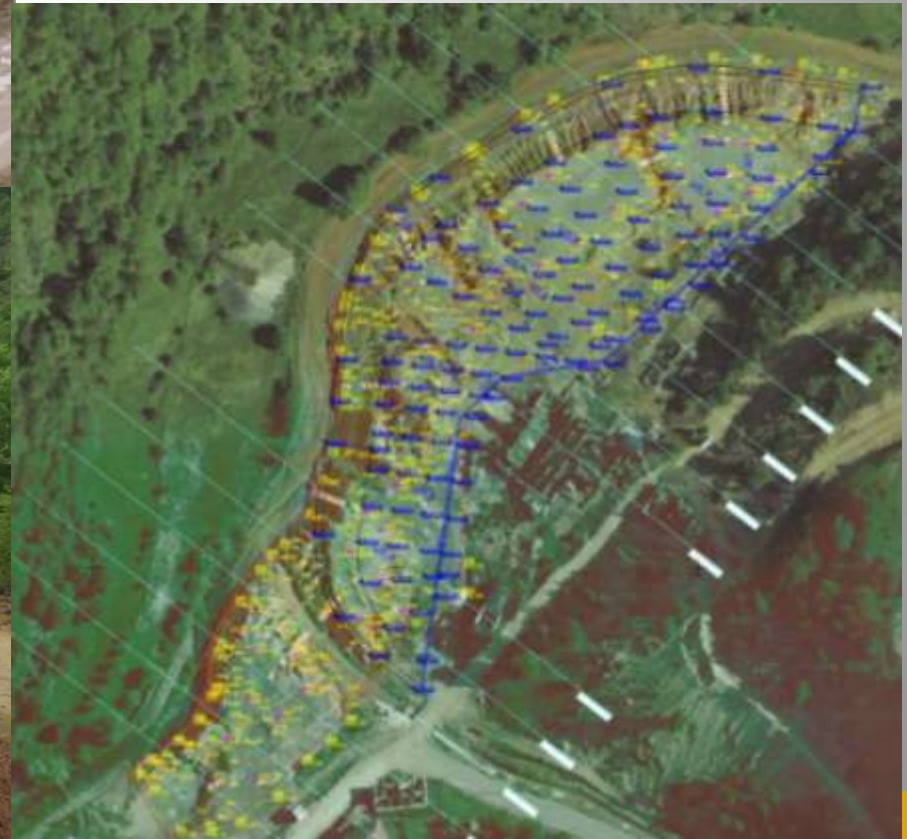
- contamination of air by dust blown in dry weather periods.
- contamination of agricultural soil.

# Artana/Novo Brdo – Tailings T2 - 2008

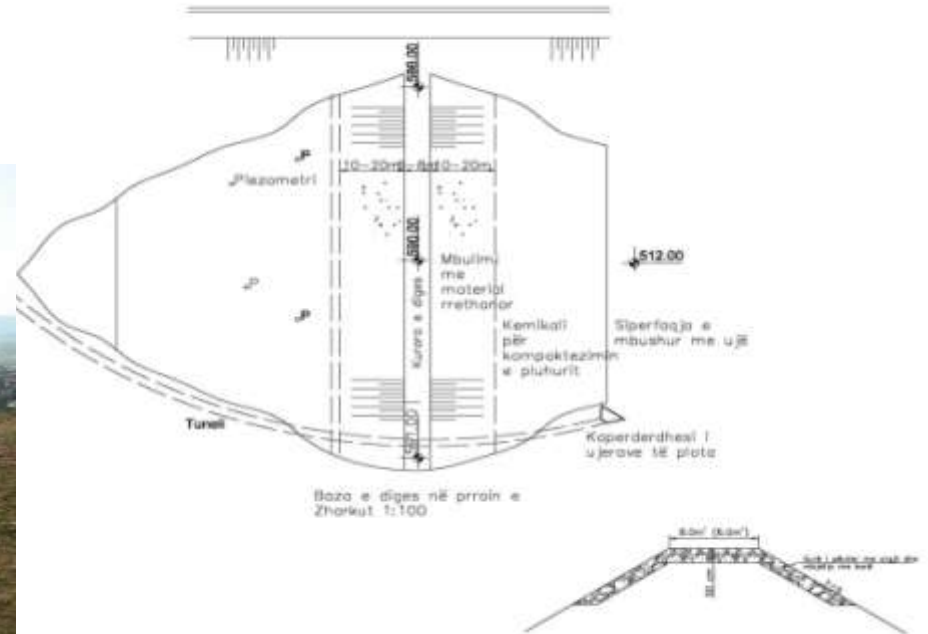


# Artana/Novo Brdo- Tailings TI - 2010

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# Stan Trg / Stari Trg – Dam Crest Rehabilitation - 2008



## Outcome of the physical activities

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### River bed protection at Tailings T1 and Tailings T2

- Reducing of contamination source (Pb, Zn, Cd..).
- Environmental effect: Hazardous air pollution impact remediation, as well immediate health risk offset.
- River protection – reduction of toxic heavy metals and acid waste tailing drainage, witch seeps to the river Kriva reka.

### Reinforcement and leveling and rehabilitation of Dam Crest

- Reducing the generation of toxic tailings dust
- Improving the air quality for the residents living in the vicinity of the tailings pond



## II Capacity Building

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### Activities / events organized:

- 4 Study tours – completed (Czech Republic, Slovak Republic, Poland)
- Trainings on capacity building for the MESP, MEM and Trepqa officials on Mining, IPPC and Environmental audit – ongoing (expected number of participants – 25-30)
- Mining Training – Ongoing (expected number of participants – 25-30)
- Climate Change Conference – completed in 2009, over 120 participants
- Climate Change workshop – completed in 2009, over 70 participants from MESP, MEM
- Creation of Practitioners database
- Policy Integration Assessment completed
- Support to KEPA for their publications regarding the report of “Nature”
- Journalistic Training – 12 Journalists participated (RTK, Koha Ditore, KTV, B92)
- Market survey of professional environmental services in Kosovo
- Establishment of a roster of qualified environmental experts
- Seminar/training on sustainable development in the mining, energy and industrial sectors
- Trainings in Albania on water monitoring



# III Public Awareness Raising Activities

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- Public Awareness Campaign – PAC, implemented by Regional Environmental Centre
  1. Development of the public opinion surveying tool
  2. Organizing meetings with Focus Groups (Trepqa, Municipality of Mitrovica, Local NGO's)
  3. Establishment of Working Group (WG)
  4. Design and Implementation of Awareness Raising Campaign
    - I. TV documentary (aired in national TV)
    - II. Handbook on living with lead (distributed with lectures in four schools)
  5. Lectures in Mitrovica schools and in mostly affected neighborhoods followed by study visits
  6. Final assessment of Public Awareness Campaign Results



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- Movie week (in cooperation with local school, 4 movies related to environment where aired)
  - Journalist Award – Prizes where given to journalist's for their contribution through media towards the environment issues
  - Planting Trees in Mitrovica, in collaboration with municipality of Mitrovica – over 750 trees are being planted in the city of Mitrovica, where the Municipality is providing the implementation and labor
  - Recycling of Paper for the Parliament Building - The recycling system in the AoK as the highest law making institution will lead all other institutions and the people of Kosovo in general, in their efforts to protect the environment, as well as to support creation and implementation of the basic environment laws.
  - TV Documentary – Ongoing, the life cycle of the construction works from the Clean up (before – during – results) activities in the project to be aired in the National TV, RTK.



# Lessons Learnt

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- 1. Project/Programme management structure*
- 2. Stakeholders*
- 3. Beneficiaries*

## *1. Project / Programme management structure*

The overall structure of the Hot spots Project, including the regional projects with one central management office (PMU) showed a very positive approach to future projects and also a very positive impact for interoperation between UNDP projects in Balkans at all, including the similarity of project's. In many situations we have had support and great cooperation from PMU.

## Stakeholders

Hot spots project was mainly concentrated in the Remediation of Industrial pollution, the involvement and participation of two Ministries, Ministry of Environment and Spatial Planning, Ministry of Energy and Mining and, Trepqa under KTA administration as the stakeholder and main beneficiary.



# Lessons Learnt

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The clean up activity as one of the main activities of Hot spots project was very much influenced of the economical situation/financial crises, where the first agreed plan of works had to be changed and deviated, as such it has created many problems and made us analyse and come to conclusions that future environmental projects should be formulated in such way that regardless of the political, economical and ownership of activities/hot spots sites should not have any negative or at least that be minimal impact on the project.

Because these sort of projects are more concentrated in the industrial pollution as the result of over 50 year constant pollution, it also requires a longer term projects, min from 5 – 10 years, in order to have the full remediation and permanent solution of hot spots.

### 3. Beneficiaries

Considering the fact that one of the main beneficiaries is Trepqa under KTA management, and the un-clarity of the ownership, including the current managerial structure of KTA-Trepa- Government many times it was very difficult to have a quick and fast solutions for certain problems/issues to be solved.