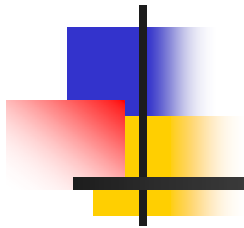


# **The Cyprus Strategic Plan on Solid and Hazardous Waste Management**



**Dr Costas Papastavros**

**Environment Service**

**April 2007**

**General comments:**

- **Waste management is the most problematic area for the adoption of the environmental acquis communautaire.**
  
- **This is due to the:**
  1. **high consumption patterns (over 700 Kg/ca/year),**
  2. **limit of human resources in the competent governmental level**
  3. **weaknesses in local administration,**
  4. **absence of recycling systems, and**
  5. **not properly run landfill sites.**

**CURRENT SITUATION**

- 1. MSW management is under the Municipalities Law**
- 2. Recycling exists at a rate of appr. 20%**
- 3. There are 7 semi-controlled landfills, none of which complies fully with the Landfill of Waste Directive 99/31/EC**
- 4. There are about one hundred uncontrolled disposal sites in rural areas**
- 5. Recycling of waste package under certain has been started since September**

## **MEASURES TAKEN ON THE STRATEGIC LEVEL**

- **The Strategic Plan for the Management of Solid and Hazardous Waste has been approved by the Council of Ministers**
- **It provides all the tools and ways for an integrated management of all the waste streams**

**The Plan considers among others:**

- **Analysis of the Cyprus and EU legislation waste mgt**
- **Classification of solid waste according to the European waste list**
- **Definition of targets**
- **Existing situation**
- **Technologies, methods and procedures**
- **Sources of waste**
- **Description of special waste**
- **Analysis of targets concerning reuse, recycling and recovery**

## **MEASURES TAKEN ON THE STRATEGIC LEVEL**

### **Municipal solid waste:**

- **Main proposal of the Strategic Plan is the creation of 4 Regional Centres for MSW management**

**MEASURES TAKEN ON THE STRATEGIC LEVEL**

- **In each Regional Centre, the following actions will be accordingly made:**
- **Landfill site, Sorting plan, Biogas collection & Energy recovery, Biodegradable waste treatment, Transfer station, Demolition waste disposal, etc**

**MEASURES TAKEN ON THE STRATEGIC LEVEL**

- **Hazardous waste:**
- **A treatment unit is proposed, covering the needs for storage, sorting, classification, neutralization, controlled disposal of sludge, exporting, etc**
- **The design study is under execution**

**MEASURES TAKEN ON THE LEGISLATIVE LEVEL**

**There are already in place:**

- **Solid and Hazardous Waste Law**
- **The Law on Packaging and Packaging Waste**
- **End-of-Life Vehicles, IPPC, Asbestos, Municipal waste incineration, Shipment of waste, etc**
- **Regulations: Used oils, Use of sludge, Batteries and accumulators, PCB's/PCT's, Landfill Sites, Producers Responsibility, Inspector's duties, etc, etc**

**MEASURES TAKEN ON THE LEGISLATIVE LEVEL**

**There are already in place:**

- **Ministerial Orders for:**
  1. **Waste List**
  2. **Waste Registry**
  3. **Identification of Dangerous Waste**
  4. **Application for Waste Management License**

## **Ongoing measures for Paphos District**

- 1. The organisation of the Regional Centre for waste management is under way**
- 2. The landfill is already in operation**
- 3. A transfer station is under construction**
- 4. Tender procedures are in progress for a sorting plan, and treatment of the biodegradable fraction, expected to operate by 2010.**

## **Ongoing measures for Larnaca/Ammohostos District**

- 1. The construction of the landfill, two transfer stations, a sorting plan, and treatment of the biodegradable fraction (composting) is expected to start this summer (2007) and operate by 2009.**

## **Ongoing measures for Lefkosia District**

- **Upgrade the major existing landfill of Kotsiatis serving almost 275.000 population**
- **Main target is to have a state of the art organised Regional Centre, comprising of a landfill, a sorting plan, and treatment of the biodegradable fraction**
- **The project is expected to operate by 2010**

## **Ongoing measures for Limassol District**

- **Upgrade the major existing landfill of Vati serving almost 250.000 population**
- **Main target is to have a state of the art organised Regional Centre, comprising of a landfill, a sorting plan, and treatment of the biodegradable fraction**
- **The works are expected to operate by 2010**

## **Ongoing measures in general**

- **Updating the Strategic Plan**
- **Procedures already initiated to close down uncontrolled landfills and restore them (~100)**

**Main challenge remain**

- **LAWS AND REGULATIONS IS ONE PART OF THE STORY**
- **BUT, THE MOST IMPORTANT THING IS THE ENFORCEMENT AND IMPLEMENTATION!!**

## Ongoing measures (indicative)

- **Further studies on waste are under implementation:**
  1. **Asbestos waste management**
  2. **Construction and demolition waste in all districts**
  3. **Plastic bags**

## **NECESSARY INSTITUTIONAL CHANGES EXPECTED TO BE DONE**

- **ESTABLISHMENT OF AN ENVIRONMENT AGENCY AND INSPECTORATE**
- **ESTABLISHMENT OF AN ENVIRONMENTAL TECHNOLOGY AND RESEARCH INSTUTUTE**



**The Cyprus Strategies & Experience on Solid and Hazardous Waste Mgt**

---

**Thank you !**