

Waste Production and Disposal in the Kyrgyz Republic



**Waste Statistics Seminar,
11-13 April 2012,
Geneva**

Regulatory Framework

STATISTICS

Law of Kyrgyzstan “On Government Statistics”

Classifiers:

- State classifier of Kyrgyzstan “Economic Activities” (SCEA);
- Indication system of units of administrative-territorial division of Kyrgyzstan and population centers (ISATD);
- All-Republican classification of types of ownership (ACTO)

WASTES

Law of Kyrgyzstan “On Production and Consumption Wastes”
Instructions and provisions on waste accounting and treatment.

Hazardous waste classifier

Waste Types

Agricultural wastes	- DATA NOT AVAILABLE
Medical wastes	- DATA NOT AVAILABLE
Domestic wastes	- DATA AVAILABLE
Household wastes	- DATA AVAILABLE
Industrial wastes	- DATA AVAILABLE
Mining wastes (toxic wastes)	- DATA AVAILABLE

Accounting System

Statistical accounting – form No.1-wastes “Report on Generation and Management of Production and Consumption Wastes”

- **ARE SUBMITTED BY** economic entities, regardless of type of ownership, that manage production and consumption wastes.

Statistical accounting – form No.2-wastes “Report on Disposal of Production and Consumption Wastes”,

- **ARE SUBMITTED BY** enterprises which activity is related to disposal of production and consumption wastes (landfills, sludge and tailing ponds, landfills for dirt piles, poor ore dirt piles, ash-disposal areas, etc.).

Wastes by Activity Types

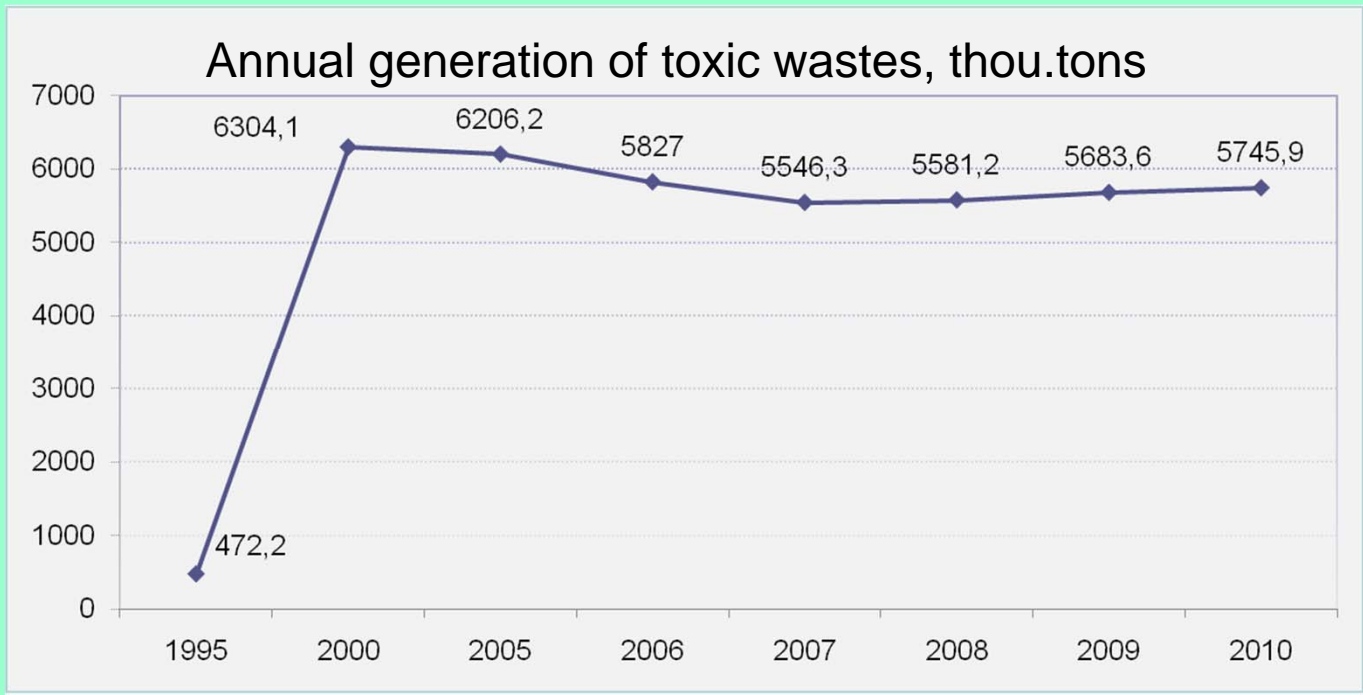
Waste Generation by Sources		
	Unit	2010
Agriculture, forestry and fishery (ISIC 01-03)	1,000 t/year	17.9
Mining and working of quarries (ISIC 05 -09)	1,000 t/year	5,606.8
Processing industry (ISIC 10-33)	1,000 t/year	156.1
Supply of electricity, gas, steam and conditioned air (ISIC 35)	1,000 t/year	...
Building (ISIC 41-43)	1,000 t/year	3.6
Other economic activity types, except for ISIC 38	1,000 t/year	22.4
Total volume of municipal wastes	1,000 t/year	1,114.6
including household wastes	1,000 t/year	468.8
Total wastes	1,000 t/year	6,921.4
among them toxic hazardous wastes	1,000 t/year	5,745.9

Toxic Wastes

Statistical accounting – form No.2-toxic wastes

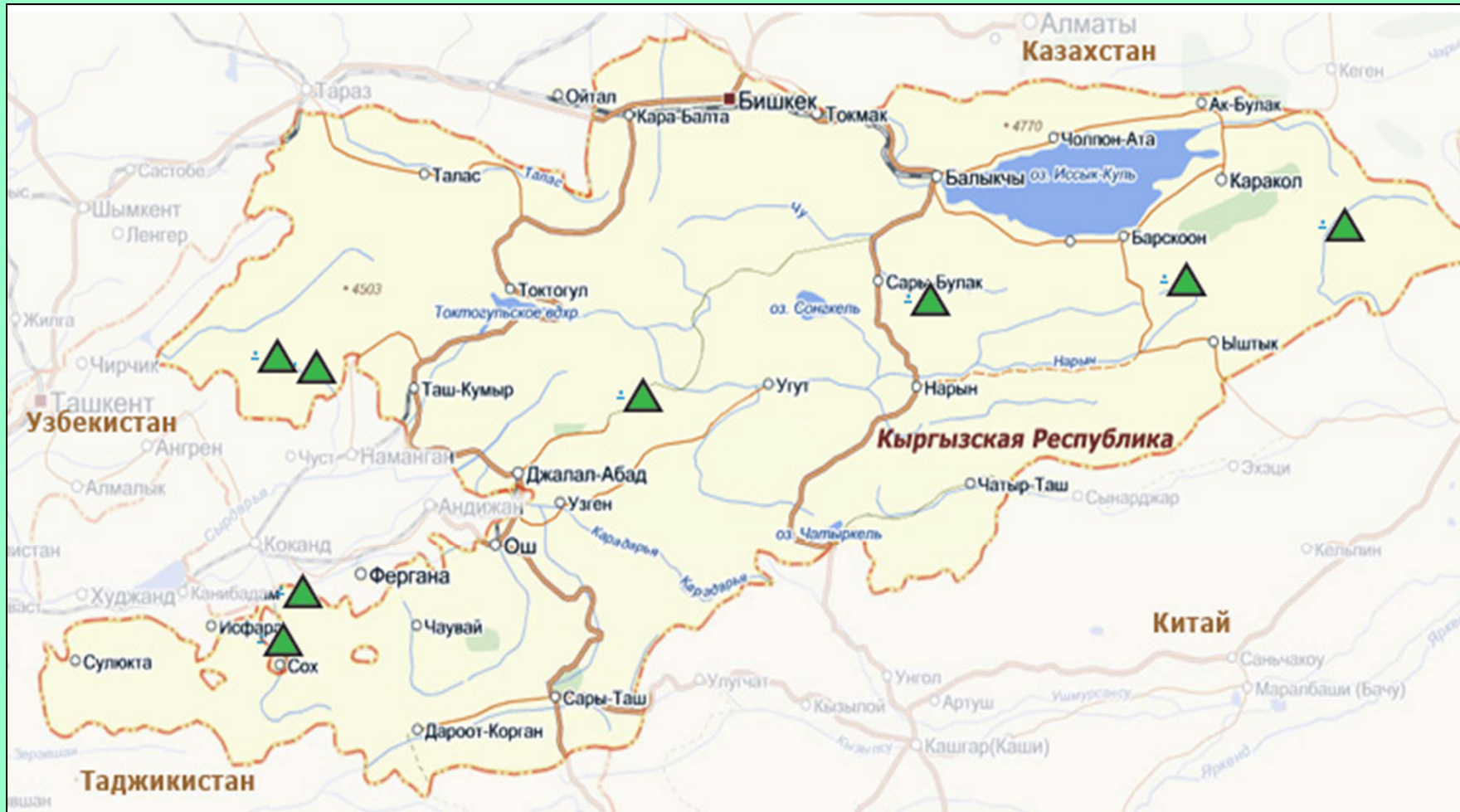
“Report on Generation and Management of Toxic Production and Consumption Wastes”, annual.

ARE SUBMITTED BY enterprises and companies which generate, store (dispose), use, process (manage) toxic production wastes



	2000	2005	2006	2007	2008	2009	2010
Number of places for toxic waste disposal	38	44	48	47	47	47	50
Their total floor area, ha	176.5	381.1	380.8	381.1	381.1	381.1	406.5

Location of Tailing Ponds with Toxic Wastes in Kyrgyzstan



Source: Cadastre of Mining Wastes of Kyrgyzstan

Toxic Wastes per Hazard Classes in 2010, thou.tons

	Wastes of all hazard classes	including				
		Class 1	Class 2	Class 3	Class 4	Class 5
Toxic wastes are stored in arranged storage and disposal sites as of the end of accounting year	83,081.7	3,324.3	12.5	0.7	79,744.2	-
Toxic wastes generated per annum	5,745.9	1.7	4.2	0.1	5,739.8	0.1
Toxic wastes consumed in enterprises	0.2	0.2	-	-	0.0	-

Domestic Wastes

Statistical accounting – form No.1-redevelopment

“Report on Urban Redevelopment and Sanitation”

ARE SUBMITTED BY plants of public utilities, companies that redevelop towns and settlements as well as enterprises (special car fleets, special car pools, road and operation authorities, etc.) that have emergency vehicles and dispose domestic wastes or perform motorized cleaning in urban and rural areas

Domestic Wastes

	Volume of wastes disposed, thou.tons	Volume of wastes disposed in per capita terms, kg
2005	553.5	107.2
2006	617.8	118.4
2007	663.4	125.9
2008	1,008.6	189.6
2009	2,656.8	493.5
2010	1,114.6	204.6

2010	Total, thou.tons	Distribution by types, %
Domestic wastes disposed per annum	1,114.6	100
including:		
street litter (including unauthorized landfill litter and park wastes)	204.7	18.4
wastes from enterprises, plants and facilities	399.8	35.9
household wastes	468.8	42.1
market wastes	28.7	2.6
other wastes	12.6	1.1

Radioactive Wastes

As per Technical Regulation “On Radiation Safety” (Law of Kyrgyzstan No. 224 dated November 29, 2011), government accounting of radioactive wastes in the republic is performed by special authorized state agencies of Kyrgyzstan on emergencies using the common form to obtain current information on radioactive wastes, conditions for their storage and/or disposal and exclusion of uncontrolled accumulation of radioactive wastes in environment.

Location of Radioactive Tailing Ponds and Piles in Kyrgyzstan



Source: Cadastre of Mining Wastes of Kyrgyzstan

THANK YOU FOR YOUR ATTENTION!