

1. Waste situation in Poland

Legal situation concerning MSW management in Poland is ambiguous. Despite the fact that the responsibility for MSW management lies within the communes they are not legal owners of MSW collected on their area and they have serious problems with monitoring what is happening with waste collected by the collecting companies (quite common problem is illegal dumping). The Ministry of Environment is working on the Legal Act which would change this situation.

Useful links:

- Polish Chamber of Waste Management (PIGO) <http://www.pigo.org.pl/index.php?p=111>
- National Chamber of Waste Management (KIGO) <http://www.kigo.pl/nova/>
- Ministry of the Environment <http://www.mos.gov.pl/?j=en>

2. Waste to Energy:

a. Existing WtE plant

There is only one small (capacity 40 000 t/year) WtE plant treating MSW located in Warsaw (it is envisaged to make an extension of the plant). Plant is owned and operated by the municipality of Warsaw. The facility has as well located on site recycling and composting.

Warsaw WtE plant data for the year 2008:

MSW treated	Mg/a	39729
NCV	kJ/kg	10057
Availability	h/a	7372
Turbine Generator	MW _e	2,4
Electricity production	MWh _e	10545,3
Heat production	MWh _{th}	67502,8
Dust (yearly average)	mg/m ³	0,56
SO ₂	mg/m ³	4,22
NO ₂	mg/m ³	114,56
CO	mg/m ³	0,29
Dioxins and furans	Ng TEQ/m ³	0,052

Link to the facility website: <http://www.zusok.com.pl/index.php>

b. Planned WtE plants

All projects of WtE plants are seeking to receive funding from EU Cohesion fund program 2007 – 2013 Infrastructure and Environment. WtE projects were placed on the list (called indicative list) of projects which will improve waste management situation in Poland. The indicative list of projects was officially approved by the council of Ministers. The timing for the projects is: till 30th June 2010 deadline for the applications (all procedures have to be fulfilled i.e. public consultations, environmental decision from the local administration) in order to receive funding from the EU.

Average envisaged financing level for WtE plant project from UE Cohesion fund is estimated to be at the level of around 61%.

Planned WtE plants:

	city	capacity [tonnes]	cost [millions]	EU funding [millions] (% of total cost)	Possible start up	Comments
1	Kraków	220.000	703 PLN = 176€	385,55 PLN = 96€ (55%)	after 2010	Second best, close to receive environmental decision
2	Katowice 1	250.000	1081,16 PLN = 270€	592,93 PLN = 148€ (55%)	in the years 2010-2015	
3	Katowice 2	250.000			in the years 2010-2015	
4	Szczecin	150.000	300 PLN = 75€	255 PLN = 64€ (85%)	after 2010	Second best, close to receive environmental decision
5	Gdańsk	250.000 (from MBT)	539,03 PLN = 135€	299,46 PLN = 75€ (56%)	after 2010	
6	Warszawa	265.200 (extension of existing installation)	533,42 PLN = 133€	265,2 PLN = 66€ (50%)	after 2010	Best developed, with environmental decision
7	Łódź	250.000	660 PLN = 165€	363 PLN = 91€ (55%)	after 2011-2014	
8	Poznań	240.000 (210.000 MSW & 30.000 sewage sludge)	640 PLN = 160€	352 PLN = 88€ (55%)	after 2010	Second best, close to receive environmental decision
9	Białystok	100.000	413,89 PLN = 103€	333,04 PLN = 83€ (80%)	after 2010	Second best, close to receive environmental decision
10	Bydgoszcz & Toruń	180.000	400 PLN = 100€	340 millions PLN = 85€ 85%	In the years 2010-2012	Best developed, with environmental decision
11	Olsztyn	120.000	517,64 PLN = 129€	305,41 millions PLN = 76,4€ 59%	In the years 2010-2012	Second best, close to receive environmental decision
12	Koszalin	120.000	280 PLN = 70€	211 millions PLN = 52;8€ 75%	In the years 2010-2013	
	TOTAL:	2.435.200	6068,14 PLN = 1517€	3705,59 PLN = 925,2€		