

Abstract

Collection processes and disposal of solid waste was one of the most important elements of solid waste management and have had high costs on city hall .

At this time municipal solid waste of Ardabil province is collecting by traditional methods at the waste disposal sites. Therefore this research have done for the determine of the technical ,sanitary and economical aspects of collection and disposal processes at Ardabil province .This study was at the cross- sectional form and collection of information has done by the library studies ,observation of existence processes of disposal ,collection and disposal of municipal solid wastes ,using questionariee ,

Conversation ,physical and chemical analysis of municipal solid wastes of Ardabil province determining the per capita production of municipal wastes at about 14 months (1386-1387).

At the end of the research collected data for determining the technical, sanitary and economical aspects of collection and disposal processes of municipal solid wastes of Ardabil province have analyzed by notice to acts and standards.The Produced per capita solid wastes was about (0.6-0. 9) kilogram.

The percentage of constituents of solid wastes was at this way: putrible (53/6-76/12) paper and packets (5/29-16/8) , plastic and rubber (6/52-14/8) , metals (1/15-4/26) , glass (0/76-4/38) ,old textiles (0/49- 6/23) , wood (0/94-6/28) and other materials (0/51-7/34) , the density of municipal solid wastes was about 163 to 147 kg/m³ and percentage of moisture of putrible materials was about 53/9 to 79/3 . the pH of leakage of solid wastes was about (4/23-5/11) and BOD₅ (543-12500) COD (1025-21000) chloride (600-4260) nitrate (23-89),hardness (1210-4100)mg/l.

The process of solid waste collection of Ardabil province is done by traditional and semi industrial and the municipal solid wastes pileup at places far from the city. The process of collection and disposal of municipal wastes of Ardabil province have distance by the Environmental rules and standards and need to programming at this back ground..

Key Words:

Collection, disposal , solid wastes of Ardabil province.