

Template for Evidence(s) UI GreenMetric Questionnaire

University : Gebze Technical University
Country : Turkiye
Web Address : www.gtu.edu.tr

[3] Waste (WS)

[3.5] Toxic Waste Treatment

<p>1</p> 	<p>2</p> 
<p>Battery Recycling Bin</p>	
<p>3</p> 	<p>4</p> 
<p>Medical waste collection boxes</p>	<p>Toxic chemical waste room</p>



Toxic waste intermediate landfill



Collection of all solvent waste from laboratories



Collection of all solvent waste from laboratories



Collection of all solvent waste from laboratories



Waste handling process

Photographs of handling toxic waste at GTU (Gebze Technical University, Türkiye)

Description:

The Zero-Waste department of Gebze Technical University is responsible for the management of toxic waste produced on the campus. In addition, a person from each department is responsible for labeling, storage, and safety of these wastes until they are sent to the toxic waste collection site. Intercalary, 6.83 tons of toxic waste are generated on campus. 1.743 tons of this toxic waste are treated. This means that approximately 25.52% of the toxic waste generated on campus is treated. Moreover, Chimirec Avrasya Company and Nuh Cement Plant are responsible for the treatment of toxic waste generated on campus.

- 1- The 1st and 2nd images are the Battery Recycling Bin. Collected battery waste is regularly sent to the municipality for battery recycling.
- 2- The 3rd image is of Biohazard Waste Containers. These wastes are treated in Chimeric Avrasya Company.
- 3- The 4th image is of toxic chemical waste room. These wastes are treated in Chimeric Avrasya Company.
- 4- Storage field. The University also has a waste storage field away from the campus center and the departments' buildings. All the toxic waste from laboratories is collected in closed containers, which the company collects for treatment.
- 5- 6th, 7th and 8th images belong to Toxic waste intermediate landfill. Toxic Waste treatment in GTU is in collaboration with Chimeric Avrasya Company. All the solvent waste from laboratories is collected in closed containers, which the company collects for treatment. The University also has a waste storage field away from the campus center and the departments' buildings.
- 6- The 9th image is Waste handling process. Waste handling process flow chart of Chimeric Avrasya Company. The company takes the toxic waste and treats a part of these toxic waste in the company and the rest of the waste is transferred to the Nuh Cement Plant.

Additional evidence link:

<https://www.chimirec.com.tr/en/p1/how-do-we-work-60/>

https://www.gebze.bel.tr/hizmetdetay/atik-pil-ve-akumulatorler_16.html