



# ST. ALOYSIUS' COLLEGE

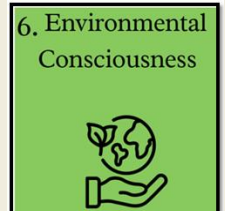
AUTONOMOUS  
JABALPUR- 482001  
MADHYA PRADESH, INDIA

## CRITERION-7

### INSTITUTIONAL VALUES AND BEST PRACTICES

Key Indicator – 7.1

Institutional Values and Social Responsibilities



Metric No.: 7.1.3

Environmental Consciousness and Sustainability

Document Name  
Liquid Waste Management



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(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Environmental Consciousness and Sustainability

### 7.1.3 Facilities in the Institution for the management of the following types of degradable and non-degradable waste

#### Liquid Waste Management

Waste water from the water coolers are channelized to various soak pits

#### Water Cooler #1





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## Water Cooler #2



## Water Cooler #3





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## Water Cooler #4

### Waste water from ACs'



Water from the ACs' are directed to the plants (Science Block)





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**Water from ACs' of Computer Science department and Design Innovation center is collected in the tank and directed to garden**





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St. Aloysius College, Pentti Naka Sadar, Sadar Main  
Rd. Cantt, Jabalpur, Madhya Pradesh 482001, India  
Latitude 23.153852550  
Longitude 79.952895730  
GMT 04:00 PM 08 June 2024



St. Aloysius College Pentti Naka Sadar, Sadar Main  
Rd. Cantt, Jabalpur, Madhya Pradesh 482001, India  
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## Treatment of waste water from Lab

The department treats water in two stages. The water coming out from the outlet is collected in a water tank where it is treated for sedimentation. The water is then decanted leaving the sediment at the bottom (sediment is periodically cleaned). In the second stage the pH of water is determined, if the pH is low, it is neutralised and let out.



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## Recycling of Liquid waste

### Practice

In the Central Research Laboratory, a mixture of solvents used in an HPLC process is collected as waste after being used for Chromatographic separation. This waste is then recycled through a method called fractional distillation, which separates the solvents based on their boiling points. The separated solvents can then be reused for further experiments or other laboratory purposes, helping to minimize waste and maximize resource efficiency.

