

SNDT Women's University

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AQAR 2020-21

Criterion VII

Supporting documents

For

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words)

Solid waste management

Liquid waste management

Biomedical waste management

E-waste management

Waste recycling system

Hazardous chemicals and radioactive waste management

are available at

<https://sndt.ac.in/pdf/naac/criteria-7/7-1-3-the-facilities-in-the-institution-for-the-management-of-degradable-and-non-degradable-waste.pdf>

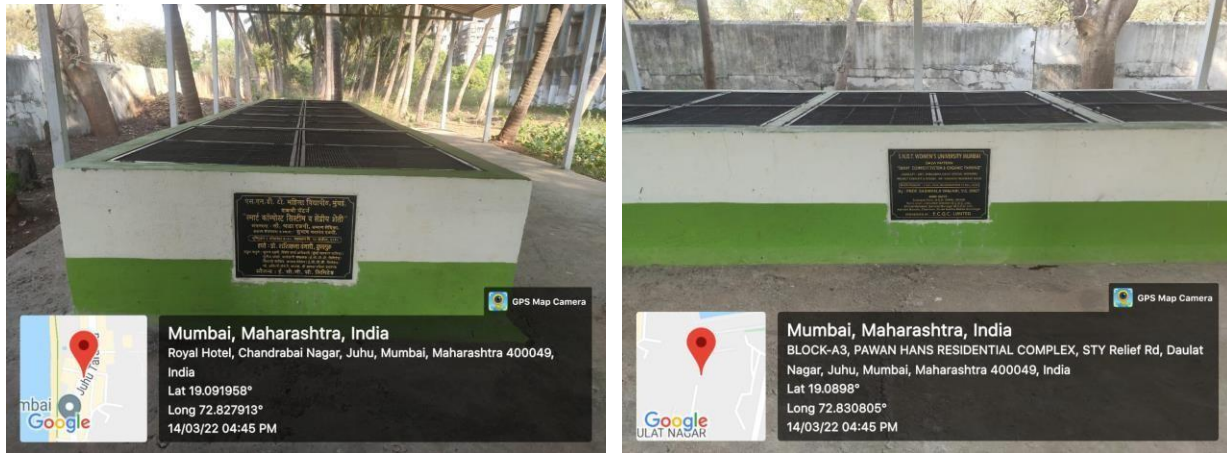
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7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and nondegradable waste (within 200 words)

1. Solid Waste Management



Smart Compost System at SNDTWU, Juhu Campus

Biodegradable solid generated at SNDTWU Juhu campus consists of dry leaves from plants, food wastage etc. These items are collected at and converted into manure with the help of Vermicomposting. This system exists in Juhu Campus, which was inaugurated in November 2020. This system is helping in the management of biodegradable waste at Juhu Campus.



SHREE AASTHA MAHILA BACHAT GAT

Room No. 8, Shipka Ravji Chawl, Iraniwadi Road No.4, Kandivali (West), Mumbai - 400 067.
Mobile : 77158 30990 - Email : aastha.as07@gmail.com

Date : 15/05/2022

TO WHOME SO EVER IT MAY CONCERN

This is to certify that we are rendering free service in the field of “ Dry waste management and Wet waste management “ for Shreemati Nathibai Damodar Thackersey Womens University Mumbai in all their campuses from last 5 years.

We hereby certify that the S. N. D. T Women’s University has compliance with the necessary requirement of the Waste Management through our “ Shree Aastha mahila bachat gat.”

श्री. आस्था महिला बचत गट
Astha
अव्यक्ता

3. Biomedical waste management



Date: 23.12.2020

MEMBERSHIP CERTIFICATE

C. U. SHAH COLLEGE OF PHARMACY

Location : S.N.D.T. WOMEN'S UNIVERSITY, SIR VIALDAS VIDYAVIHAR,
SANTACRUZ (W), MUMBAI 400049.

Is Registered with SMS Envoclean Private Limited for the disposal
Of Bio-Medical Waste as per Bio Medical Waste (M&H) Rules and
Guidelines-MPCB.

Registration No. : 40009190
Service W.E.F : 01.11.2016
Valid UP TO : 31.03.2021
Total No. Beds : 0
Total No. OPD. : 0
Total no. Of DC : 0
Total no. Of BB : 0
Total No. Lab : 0

SMS ENVOCLEAN PVT LTD



AUTHORIZED SIGNATORY



Ghatkopar - Mankhurd Link Road, Near Deonar Dumping Ground, Opp. Sathé Nagar,
Govandi (West), Mumbai - 400 043.
Cell.: 8879003572 Toll Free No.: 18002666575
Customer Care : E-mail : infosmsenvoclean@smsl.co.in / www.smsmumbai.com
Corporate Office : 20, IT Park, Parsodi, Nagpur - 440 022. (India) Maharashtra
Reg. Office : 267, Ganesh Fadanvis Bhavan, Near Triangular Park, Dharampeth,
Nagpur - 440 010 (India) CIN No. U52100MH2005PTC156774

**SMS ENVOCLEAN
PRIVATE LIMITED**

**Yearly contract agreement of C. U. Shah College of Pharmacy with SMS Envoclean,
Biowaste disposal agency of BMC.**

C. U. Shah College of Pharmacy is having an animal house facility for conducting pre-clinical studies on small animals for efficacy and toxicity testing. The animal house facility is registered with the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), which is established by Department of Animal Husbandry and Dairying (DAHD), Ministry of Fisheries, Animal Husbandry and Dairying (MoFAH &D), Govt of India. with registration number 39/PO/Re/S/99/CPCSEA. The animal house was established in 11-03-1999.

The CPCSEA has appointed the Institutional Animal Ethics Committee (IAEC) at C. U. Shah College of Pharmacy to approve and supervise the sanction of animal experiment protocols and regulates all pre-clinical experiments conducted at C. U. Shah College of Pharmacy.

Bio-waste is created as a result of animal experimentation and BMC has issued separate guidelines for disposal of bio-waste. As per the BMC guidelines, the institute is in contract with SMS Envoclean for disposal of bio-waste which is generated at the animal house. The contract is renewed every year.

5. Waste recycling system



Waste recycling system by smart compost at SNDTWU, Juhu Campus

SNDTWU uses vermicomposting for management of biodegradable solid waste which is recycled into manures. Vermicomposting is a bio-conversion process which is widely being used for solid waste management. In this bio-conversion process, earthworms feed on the organic waste to produce more earthworms, vermicompost and vermiwash as products.

Vermicomposting technology is globally becoming a popular solid waste management technique. SNDTWU, in collaboration with ECGC Ltd., has constructed a vermicompost facility at Juhu campus. This facility has helped in waste recycling as well as solid waste management.

6. Hazardous chemicals and radioactive waste management:

Hazardous properties, as the name suggests, are those properties which can cause harm to person or the surroundings. These properties generally come to the forefront if the chemical substance possessing such a property is not handled with due care and caution or is exposed to any substance to which it is reactive. Chemical substances, often chemical waste, are categorized as 'hazardous' owing to their chemical reactivity, toxicity, explosiveness, corrosiveness, radioactivity or other characteristics, that constitute a risk to human health or the environment.

Central pollution control board, Ministry of Environment, Forest and Climate change, Government of India had laid down guidelines for Hazardous and waste management. UGC has also issued the guidelines for management of hazardous chemicals and radioactive waste management, which are followed at S.N.D.T. Women's University.

There are few departments in the university, which are dealing with hazardous chemicals and radioactive substances. Departments dealing with these hazardous chemicals follow the above-mentioned guidelines for disposal of hazardous chemicals.

Guidelines:

1. UG students performing practical with hazardous substances are given instructions and advance regarding safe handling and disposal guidelines.
2. Solvents used for various experiments, are recycled and reused wherever possible.
3. Research students are asked to read and follow MSDS for all the chemicals they will be using for their project and dispose them as per the guidelines.

For. e. g. Sodium is a highly reactive metal and reacts vigorously with the oxygen, carbon dioxide and moisture present in the air such that it may even cause a fire. To prevent this explosive reaction, Sodium is kept immersed in kerosene because Sodium doesn't react with kerosene.

Scraps of sodium by holding the sodium in tweezers and putting the scrap pieces in 95% ethanol taking care that the solvent will not boil.

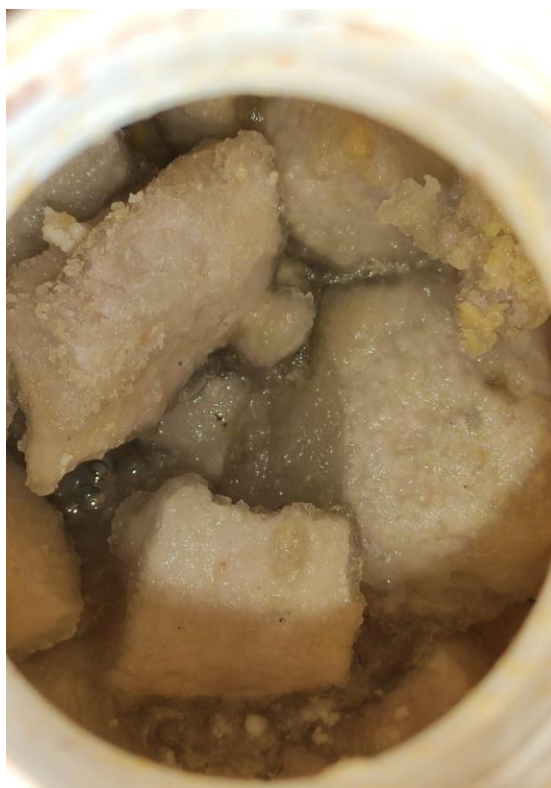


Photo of stored sodium immersed in kerosene