

# **The Complete Book on Waste Treatment Technologies (Industrial, Biomedical, Water, Electronic, Municipal, Household/ Kitchen, Farm Animal, Dairy, Poultry, Meat, Fish & Sea Food Industry Waste and Machinery Equipment Details)**

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Waste management is a global problem that continues to increase with rapid industrialization, population growth, and economic development. As the world hurtles towards the urban future, the amount of Municipal Solid Waste (MSW) is growing very fast. Waste includes any solid material or material that is suspended dissolved or transported in water or deposited on land. Wastes are generally classified into solid, liquid, & gaseous and are broadly classified as household waste; municipal waste; commercial and non-hazardous industrial wastes; e- waste, hazardous (toxic) industrial wastes; construction and demolition waste; health care wastes – waste generated in health care facilities (e.g. hospitals, medical research facilities); human and animal wastes; and incinerator wastes.

In the recent years, modern society has become more responsible when it comes to waste management. The fast industrialization, urbanization, modern technology, and rapidly growing population in India have posed a serious challenge to the waste management. In India, per capita generation rate of municipal solid waste ranges from 0.2 to 0.5 kg/day. At present, the daily generation rate in South Asia, East Asia and the Pacific combined is approximately 1.0 million tons per day.

The current scenario reveals that there is a tremendous scope for the development of waste treatment technologies and is expected to offer significant opportunities in the near future. Sustainability of waste management is the key for providing an effective service that can satisfy the need of end users. Solid Waste Management sector in India has become a very lucrative sector for investors. With a growing urgency for efficient waste management in many cities, there will be more and more employment opportunities in the sector. The participation of different sectors, roll of Government and private organization is important for better management of waste.

This book describes the various waste treatment technologies like; Physical treatment techniques, biological treatment techniques, anaerobic lagoon techniques etc. It will be a standard reference book for professionals, entrepreneurs, students, teachers, researchers, administrators, and planners of various disciplines who are directly or indirectly involved in the waste management.

## **Contents**

- 1. INTRODUCTION
- 2. TYPES OF WASTES
  - A. Livestock Farm Wastes
    - Current Methods for Disposal of Livestock Mortalities
      - Burial
      - Burning
      - Incineration
      - Rendering
      - Composting
    - Future of Livestock Mortality Disposal
    - Novel Disposal Methods
    - Carcass Storage and Bio-reduction Methods
    - Reasons for Concern
    - Pollution Potential of Farm Animal Wastes
    - Magnitude of the Problem
    - Properties of Animal Wastes
      - Physical Properties
      - Chemical and Biological Properties
    - Fertilizer Value
    - Handling of Farm Animal Wastes
    - Storage of Farm Animal Wastes
    - Treatment of Farm Animal Wastes
      - Physical Treatment
      - Chemical Treatment
      - Biological Treatment
      - Composting
      - Anaerobic Digestion
      - Lagoon Treatment
      - Aerobic Treatment
    - Economics of Farm Animal Waste Treatment
  - B. Biomedical Wastes
    - Classification of Biomedical Waste
    - Handling, Storage, and Transportation of Healthcare Waste
    - On-site Collection, Transport, and Storage of Waste
      - Collection
      - Storage
      - On-site Transport
      - Off-site Transportation of Waste
      - Special Packaging Requirements for Off-site Transport
    - Handling, Storage, and Transportation of Healthcare Waste
      - Routing
    - Biomedical Waste Treatment
      - Incineration Technology
      - Non-Incineration Technology
        - Autoclaving
        - Microwave Irradiation
      - Chemical Methods
    - Selection of Suitable Treatment Technology
    - Common Treatment Facility
    - Mobile Treatment/Disposal System
  - C. Industrial Wastes
    - Description of Important Industrial Solid Waste

Coal Ash  
Integrated Iron and Steel Plant Slag  
Phosphogypsum  
Red Mud  
Lime Mud  
Waste Sludge and Residues  
Potential Reuse of Solid Wastes  
Prevention-A Waste Minimization Approach  
Inventory Management and Improved Operations  
Modification of Equipment  
Production Process Changes  
Recycling and Reuse  
Waste Management at Source  
Collection and Transport of Industrial Wastes  
Storage and Transportation  
Disposal of Industrial Solid Waste  
Health Consequences of Poor Industrial Waste Disposal  
Waste Segregation  
Combined Treatment Facilities  
Landfill  
Waste Reduction Techniques  
Benefits of Cleaner Production  
Industrial Hazardous Wastes  
Industrial Nonhazardous Wastes  
Radioactive Wastes  
D. Abattoir Wastes  
Sources of Waste in Red Meat Abattoirs  
Best Management Practices  
Existing Methods for Disposal of Meat Production Waste  
Burial  
Composting  
Incineration  
Rendering  
Rendering Industry  
Recent Events Affecting the Rendering Industry  
Dead Stock Collection, Transportation and Receiving  
Dead Stock Collectors and Receivers  
Anaerobic Digestion of Protein Rich Substrate  
Co-digestion Plant Design and Operation  
E. Household/Kitchen Wastes  
Disposal of Household Hazardous Waste  
Disposal Problems  
Disposal Problems in the Trash  
Disposal Problems on the Ground  
Disposal Problems in Storm Sewers  
Worm Composting  
F. Municipal Wastes  
Anaerobic Digestion Process  
Various AD Systems  
Important Operating Parameters in AD Process  
Waste Composition/Volatile Solids (VS)  
pH Level  
Temperature

Carbon to Nitrogen Ratio (C/N)  
Total Solids Content (TS) / Organic Loading Rate (OLR)  
Retention (or Residence) Time  
Mixing  
Compost  
Biogas Composition  
Development and Present Status of AD Technology  
Historical Background  
Types of AD Systems  
Single Stage Process  
Single Stage Low Solids (SSLS) Process  
Single Stage High Solids (SSHS) Process  
Multi-stage Process  
Multi-stage Low Solids Process  
Multi-stage High Solids Process  
Batch Reactors  
G. Dairy Industries Wastes:  
Sources of Wastes  
Waste Characteristics  
Treatment of Dairy Wastes  
Checking of Dairy Effluent  
Preventive Attitudes  
Waste Management Issues for Dairy Processors  
Cheese Making  
Whey Condensing  
Shell and Tube Condensers  
Mechanical Vapor Recompression (MVR)  
Ultra Filtration  
Reverse Osmosis  
Waste Water Treatment Options  
Aerated Lagoons  
Activated Sludge  
Sequencing Batch Reactors  
Biological Tower  
Spray Irrigation  
Ridge and Furrow Systems  
Absorption Ponds  
Hauling and Land Application  
WPDES Permit Issuance  
Surface Water Effluent Limits  
Land Application of Waste Water  
Phosphorus Limitations  
Chloride Limitations  
Aerated Lagoon Treatment Systems  
Winter Spreading of Waste  
H. Fish and Seafood Processing Unit's Wastes  
Liquid Effluent  
Solid Waste  
Other Waste Components  
Waste Management  
Typical Waste Treatment Scenario  
Data on Receiving Environment  
Biologically Activated Rock Phosphate Fertilizer

Fish Processing Waste Disposal Practices and Options  
 Waste Water Characteristics  
 I. Poultry Farm Waste  
 Options and Considerations for Poultry Waste Management  
 Animal Refeeding  
 Bioenergy Production  
 Dead Birds Disposal:  
 Composting  
 Incineration  
 J. Electronic Wastes  
 E-waste in India  
 Impacts of E-wastes  
 Impacts of Informal Recycling  
 Status of E-waste Management in India  
 E-waste Management Strategies  
 Electronic Waste Items List  
 Electronic Wastes: A Rising Global Phenomenon  
 Electronic Wastes: The Environmental and Human Rights Dimensions  
 Regulatory Responses to the Electronic Waste Phenomenon  
 K. Other Wastes  
 Construction Waste Management  
 Eliminating Waste  
 Minimizing Waste  
 Reusing Materials  
 Federal Regulations  
 Management  
 Project Level-enhancing Project Value and Performance  
 Organization Level-stewardship of Corporate Values and Priorities  
 Disposition Level-management of Diversion and Disposal  
 Construction and Demolition Wastes  
 Best Management Practices  
 Process  
 Collection and Hauling  
 Containerization and Transport  
 Prevalence of Common Materials  
 1. Waste Management Planning  
 2. Facility Design  
 3. Construction Contract Requirements  
 4. Jobsite Waste Reduction  
 Emerging Issues  
 Plastic Waste and Its Disposal  
 Radioactive Waste and Their Environmentally Sound Management  
 Manual Loading of Waste  
 Loading of Waste Through Front End Loader and Trucks  
 Garbage Loaded in Open Trucks Causing Nuisance  
 Measures to be Taken to Improve the System  
 Steps to be Taken to Meet the Above Objectives  
 Transportation of Construction Waste and Debris  
 Waste Disposal Management  
 Waste Types that Should not to be Incinerated  
 Pharmaceutical Disposal  
 Management of Municipal Solid Waste in India  
 Waste Management: Global Perspective

Waste Generation  
 Development Trends for Waste and Wastewater  
 Global Overview of Waste Management  
 Landfill CH<sub>4</sub>: Regional Trends  
 Wastewater and Human Sewage CH<sub>4</sub> and N<sub>2</sub>O: Regional Trends  
 CO<sub>2</sub> From Waste Incineration  
 Waste Management and GHG-Mitigation Technologies  
 CH<sub>4</sub> Management at Landfills  
 Incineration and Other Thermal Processes for Waste-to-energy  
 Biological Treatment Including Composting, Anaerobic Digestion, and Mechanical  
 Waste Reduction, Re-use and Recycling  
 Wastewater and Sludge Treatment  
 Waste Management and Mitigation Costs and Potentials  
 Fluorinated Gases: End-of-life Issues, Data and Trends in the Waste Sector  
 Air Quality Issues: NMVOCs and Combustion Emissions  
 Reducing Landfill CH<sub>4</sub> Emissions  
 Incineration and Other Thermal Processes for Waste-to-energy  
 Waste Minimization, Re-use and Recycling  
 Policies and Measures on Fluorinated Gases  
 Municipal Solid Waste Management  
 Wastewater Management  
 Disposal of Fallen Animals in the Field/Forest  
 Rendering Industry  
 Recent Events Affecting the Rendering Industry  
 Deadstock Collection, Transportation and Receiving  
 3. HUMAN PATHOGENS IN ANIMAL AGRICULTURE  
 PRODUCTION SYSTEMS  
 Viruses  
 Chlamydia  
 Coxiella Burnetii  
 Bacteria  
 Aeromonas Hydrophila  
 Arcobacter  
 Bacillus Anthracis  
 Brucella  
 Campylobacter  
 Clostridium Perfringens  
 Escherichia Coli  
 Erysipelothrix Rhusiopathiae  
 Francisella Tularensis  
 Leptospira Species  
 Listeria Monocytogenes  
 Salmonella  
 Yersinia  
 Mycotic Agents  
 Parasites (Protozoans and Helminths)  
 Ascaris  
 Balantidium Coli  
 Cryptosporidium Parvum  
 Giardia  
 Toxoplasma  
 Other Organism  
 Microsporidia

Faecal Indicator Organisms

#### 4. PATHOGEN REDUCTIONS DURING WASTE TREATMENT

Manure Solids Waste

Dry Techniques: Composting

Manure Slurry Treatment Techniques

Physical Treatment Techniques

Biological Treatment Techniques

Anaerobic Lagoon Treatment

Multiple Lagoon Systems

Aerated Lagoons and Oxidation Ponds

Anaerobic Digestion

Mesophilic Anaerobic Digestion

Thermophilic Anaerobic Digestion

Aerobic Digestion

Mesophilic Aerobic Digestion

Thermophilic Aerobic Digestion

Activated Sludge

Biofiltration

Constructed Wetlands

Overland Flow

Disinfection and Chemical Treatments

Chlorine

Ozone

Chlorine Dioxide

Ultraviolet Light (UV) Irradiation

Lime Stabilization

Pasteurization

Animal Waste Disposal or Recycling Options

Land Application

Spray Fields

#### 5. AEROSOLIZATION OF PATHOGENS

Microbial Detection Analysis Techniques

On-farm Verification of Microbial Reduction by Corrective Measures

Real-time Measurement Techniques

Public Health Hazards due to Wastes

Hazardous Substances Associated with Waste Management

Impact of Waste Management Practices on Health

Individual Pollutants

Health Effects in Communities

Control of Hazards

Safe Work Practices

PPE Hazard Assessment and Training

Systems to Track Hazard Correction

Emergency Preparation

Emergency Preparedness

Current Scenario and Future Challenges of Municipal Solid Waste Management in India

Conclusions

Recommendations

#### 6. PHOTOGRAPHS OF PLANT & MACHINERY

WITH SUPPLIER'S CONTACT DETAILS

Biomining Machines

Waste Recycling Plant

Animal Waste Recycling Plant  
Biomedical Waste Machines  
Dairy Waste Recovery Machine  
Agro Waste Biomass Briquetting Plant  
Food Waste Composting Machine

## 7. APPENDICES

Appendix–I  
Appendix–II  
Appendix–III  
Appendix–IV  
Appendix–V  
Appendix–VI  
Appendix–VII  
Appendix–VIII  
Appendix–IX  
Appendix–X  
Appendix–XI  
Appendix–XII  
Appendix–XIII  
Annexure–XIV  
Annexure–XV  
Annexure–XVI  
Annexure–XVII  
Annexure–XVIII  
Annexure–XIX  
Annexure–XX  
Annexure–XXI  
Annexure–XXII  
Annexure–XXIII  
Annexure–XXIV  
Annexure–XXV  
Appendix–XXVI  
Appendix–XXVII  
Appendix–XXVIII  
Appendix–XXIX  
Annexure–XXX  
Appendix–XXXI  
Appendix–XXXII  
Appendix–XXXIII

## 8. GLOSSARY

## 9. REFERENCES

# About NIIR

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