

# Handbook on Recycling and Disposal of • Hospital Waste • Municipal Solid Waste • Biomedical Waste • Plastic Waste

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Handbook on Recycling and Disposal of

- Hospital Waste
- Municipal Solid Waste
- Biomedical Waste
- Plastic Waste

(Also Known as Medical, Municipal and Plastic Waste Management Handbook)

Waste can be almost anything, including food, leaves, newspapers, bottles, construction debris, and chemicals from a factory, candy wrappers, disposable diapers, old cars, or radioactive materials. People have always produced waste, but as industry and technology have evolved and the human population has grown, waste management has become increasingly complex. Waste recycling involves the collection of waste materials and the separation and clean-up of those materials. Recycling waste means that fewer new products and consumables need to be produced, saving raw materials and reducing energy consumption.

Waste reduction and recycling are very important elements of the local waste management framework. They help both to conserve natural resources and to reduce demand for valuable landfill space. The waste recycling services has become the one of the fastest growing industry. The growth of the waste recycling services is driven by the technology development for waste recycling.

The waste management market is expected to be worth US\$ 13.62 billion by 2025. Indian municipal solid waste (MSW) management market is expected to grow at a CAGR of 7.14% by 2025. India has planned to achieve a capacity of 2.9 million hospital beds by 2025 which will help bio medical waste management market to grow at a CAGR of 8.41%.

The concern for bio medical waste management has been felt globally with the rise in infectious diseases and indiscriminate disposal of waste. It is to be understood that management of bio medical waste is an integral part of health care. There is a clear need for the current approach of waste disposal in India that is focussed on municipalities and uses high energy/high technology, to move more towards waste processing and waste recycling (that involves public private partnerships, aiming for eventual waste minimization driven at the

community level, and using low energy/low technology resources.

This book basically deals with characterization of Medical Waste, Medical Waste Data Collection Activities, Medical Waste Treatment Effectiveness, Gas Sterilization, Municipal Solid Waste, Bio-Medical Waste, Hospital Waste Incineration, Production, Use, and Disposal of Plastics and Plastic Products, Medical Waste Reuse, Recycling and Reduction, Disposal on Land, municipal and plastic waste management, Plastic Waste, incineration and number of recycling methods.

The book is highly recommended to new entrepreneurs, existing units who wants to get more information of Waste Disposal & Recycling.

## **Contents**

1. Characterization of Medical Waste
1. INTRODUCTION AND OVERVIEW
2. MEDICAL WASTE GENERATION
Methodology
Summary of Preliminary Results
3. MEDICAL WASTE DATA COLLECTION ACTIVITIES
Transporter Notification
Results
Transporter Periodic Reports
On-Site Incinerators
2. Medical Waste Treatment Effectiveness
1. INCINERATION
Factors Affecting Effectiveness
Medical Waste Treatment Effectiveness
Quality Assurance and Quality Control Procedures
Maintenance and Operator Training
2. STEAM STERILIZATION
Factors Affecting Effectiveness
Quality Assurance and Quality Control Procedures
Maintenance and Operator Training
3. GAS STERILIZATION
Factors Affecting Effectiveness
Quality Assurance and Quality Control Procedures
Maintenance and Operator Training
4. CHEMICAL DISINFECTION
Factors Affecting Effectiveness
Quality assurance and Quality Control Procedures
Maintenance and Operator Training
5. THERMAL INACTIVATION
Factors Affecting Effectiveness
Quality Assurance and Quality Control Procedures
6. IRRADIATION
Factors Affecting Effectiveness
Quality Assurance and Quality Control Procedures
Maintenance and Operator Training
7. MICROWAVE TREATMENT

Factors Impacting Effectiveness

Quality Assurance and Quality Control Procedures

Maintenance and Operator Training

## 8. GRINDING AND SHREDDING

Factors Affecting Effectiveness

Quality Assurance and Quality Control Procedures

Maintenance and Operator Training

## 9. COMPACTION

Factors Affecting Effectiveness

Quality Assurance and Quality Control Procedures

Maintenance and Operator Training

## 3. Medical Waste Handling Methods

### 1. INTRODUCTION

### 2. CURRENT PRACTICES

Handling and packaging practices

For Off-Site Incineration

Medical Waste Handling Materials

For Landfill Disposal

For On-site Treatment or Disposal

For Sewer and Ocean Disposal

### 3. STANDARDS IMPLEMENTED BY THE RULE

Segregation

Packaging

Labeling

Marking

Storage

Transport

### 4. EVOLVING HANDLING AND MANAGEMENT TECHNIQUES 19

Handling

Compaction

## 5. METHODS TO EVALUATE MEDICAL WASTE HANDLING

### 4. Medical Waste Reuse, Recycling and Reduction

#### 1. RECYCLING AND REUSE

#### 2. SOURCE REDUCTION

#### 3. GENERATION RATES

#### 4. AGENCY ACTION

#### 5. Infectious Waste Characterization

##### 1. DEFINITION OF INFECTIOUS WASTE

##### 2. TYPES OF INFECTIOUS WASTE

###### 1. Isolation Wastes

###### 2. Cultures and Stocks of Infectious Agents and Associated Biologicals

###### 3. Human Blood and Blood Products

###### 4. Pathological Wastes

###### 5. Contaminated Sharps

###### 6. Contaminated Animal Carcasses, Body Parts, and Bedding

### 3. MISCELLANEOUS CONTAMINATED WASTES - (OPTIONAL CATEGORY)

#### 6. Infectious Waste Management

##### 1. INTRODUCTION

##### 2. SELECTION OF WASTE MANAGEMENT OPTIONS

##### 3. INFECTIOUS WASTE MANAGEMENT PLAN

###### 1. Designation of Infectious Waste

###### 2. Segregation of Infectious Waste

###### 3. Packaging of Infectious Waste

4. Storage of Infectious Waste
5. Transport of Infectious Waste (on- and off-site)
6. Treatment of Infectious Waste
7. Disposal of Treated Wastes
8. Contingency Planning
9. Staff Training
7. Treatment of Infectious Waste
1. INTRODUCTION
  1. Monitoring
  2. Steam Sterilization
  3. Incineration
  4. Thermal inactivation
  5. Gas/Vapour Sterilization
  6. Chemical Disinfection
  7. Sterilization by Irradiation
  8. Other Treatment Methods
8. Medical Waste
  1. CYTOTOXIC CHEMICALS
  2. HAZARDOUS CHEMICALS
3. PATHOGENS
4. TOXIC METALS
5. RADIOACTIVE MATERIALS
9. Hospital Incineration Systems
  1. INTRODUCTION
  2. FUNDAMENTAL CONCEPTS RELATED TO HOSPITAL WASTE INCINERATION
    1. Chemical Reactions
    2. Stoichiometric Combustion Air
    3. Thermochemical Relations
    4. Volumetric Gas Flows
    5. The Combustion Process
  3. HOSPITAL WASTE CHARACTERISTICS
  4. TYPES OF HOSPITAL WASTE INCINERATOR SYSTEMS
    1. Introduction
    2. Multiple-chamber incinerators
      1. Principle of Combustion and Air Distribution
    2. Mode of Operation
    3. Waste Feed Charging Systems
    4. Ash Removal Systems
    5. Use of Multiple-Chamber Incinerators for Incinerating Hospital Wastes
  3. Controlled-Air Incinerators
    1. Principle of Controlled Air Incineration
    2. Batch/Controlled-Air incinerators
    3. Intermittent-Duty, Controlled Air Incinerators
    4. Continuous-Duty, Controlled Air incinerators
  4. Rotary Kilns
    1. Principle of Operation
    2. Mode of Operation
    3. Charging System
    4. Ash Removal
    5. Auxiliary Equipment
  1. Waste Heat Boilers
  2. Auxiliary Waste Liquid Incineration
10. Bio-Medical Waste

## 1. INTRODUCTION

1. Linkage of Bio-medical Waste Management with Municipal Waste Management

## 2. ASSESSMENT OF CURRENT SITUATION

### 1. Waste Generation

- (i) Health Care Establishments
- (ii) Whole Town/City

### 2. Current Practices

### 3. Allocation of Responsibilities

## 3. BASIC ISSUES

1. Management Issues of Bio-medical Waste Management
2. Current Issues in Management of Health Care Waste

## 4. LEGAL ASPECTS AND ENVIRONMENTAL CONCERN

### 1. Bio-medical Waste (Management and Handling) Rules, 1998

Scope and application of the Rules

Environmental Concern

## 5. WASTE IDENTIFICATION AND WASTE CONTROL PROGRAM FOR THE HEALTH CARE ESTABLISHMENTS

1. Identification of Various Components of the Waste Generated
2. An Exercise in Waste Control Programme

## 6. WASTE STORAGE

1. Recommended Labelling and Colour Coding
2. Segregated Storage in Separate Containers (at the Point of Generation)
3. Certification

## 4. COMMON/INTERMEDIATE STORAGE AREA

### 5. Parking Lot for Collection Vehicles

## 7. HANDLING AND TRANSPORTATION

1. Collection of Waste Inside the Hospital/Health Care Establishment
2. Transportation of Segregated Waste Inside the Premises
3. Collection and Transportation of Waste for Small Units
4. Transportation of Waste Outside

## 8. WASTE TREATMENT AND DISPOSAL : THE RULES AND THE AVAILABLE OPTIONS

Transportation of Waste Outside

1. Incineration
2. Autoclave Treatment
3. Hydroclave Treatment
4. Microwave Treatment
5. Chemical Disinfection
6. Sanitary and Secured Landfilling
7. General Waste

## 9. COMMON TREATMENT/DISPOSAL FACILITY

1. Establishment of the Facility
2. Tie Up of Health Care Set Ups
3. Private Sector Participation

## 10. OPERATION AND MAINTENANCE

## 11. OCCUPATIONAL HAZARDS AND SAFETY MEASURES

1. Occupational Hazards
2. Safety Measures for the Medical and Para-medical Staff
3. Safety Measures for Cleaning and Transportation Staff

## 12. FINANCIAL ASPECTS

## 13. TRAINING AND MOTIVATION

1. Training Modules for Different Levels of Staff
  - (i) Medical and laboratory personnel:
  - (ii) Para-medical personnel:

- (iii) Sweepers, cleaning staff, guards etc.:
- (iv) Administrative and management staff:
- 2. Incentives and Motivation
- 3. Awareness Generation
- 14. PLANNING ELEMENTS
  - 1. Planning Inside the Health Care Establishment Premises
  - 2. Planning Outside the Health Care Establishment
  - 3. Relation to Overall Town Planning
  - 4. Examples
- 15. MANAGEMENT ASPECTS
  - 1. Organisational Set Up 104
  - 2. Administration and Managerial Aspects 105
- 16. ANIMAL WASTE 105
  - 11. Air Pollution Control
- 1. INTRODUCTION 108
  - 2. POLLUTANT FORMATION AND GENERATION 108
  - 3. CONTROL STRATEGIES 109
    - 1. Controlling Feed Material
    - 2. Combustion Control 111
    - 3. Add-On Air Pollution Control Systems
      - 1. Wet Scrubbers
      - 2. Fabric Filters
      - 3. Dry Scrubbers
- 12. Waste Minimization Options
  - Description of Techniques
  - Better Operating Practices
  - Chemotherapy and Antineoplastic Wastes
  - Formaldehyde Wastes
  - Instal Reverse Osmosis (RO) Water Supply Equipment
  - Determine Minimum Effective Cleaning Procedures
  - Reuse/Recycle Waste Solutions
  - Proper Waste Management
  - Photographic Chemical Waste
  - Store Materials Properly
  - Recycle Spoiled Photographic Film and Paper
  - Test Expired Material for Usefulness
  - Extend Processing Bath Life
  - Use Squeegees
  - Use Countercurrent Washing
  - Recover Silver and Recycle Spent Chemicals
- Radionuclides
- Solvents
- Material Substitution
- Improved Laboratory Techniques
- Recycle Solvents
- Mercury
- Electronic Sensing Devices
- Proper Spill Clean Up
- Recycle/Reuse
- Waste Anesthetic Gases
- Toxics, Corrosives, and Miscellaneous Chemicals
- Ethylene Oxide
- Use of Recyclable Drums

- Proper Material Handling
- Material Substitution
- 13. Vermiculturing
- 1. INTRODUCTION
- 2. INTRODUCTION TO VERMICOMPOSTING
- Reduction of particle size
- Vermicomposting
- Different stages and methods
- 3. THE INORA PROCESS
- The biological means
- Selection of biological methods
- Bisanitization or accelerated aerobiosis
- The biogas plants
- The earthworm
- 4. ASSESSMENT
- Environmental assessment
- Water
- Gases
- Pollutants
- Aesthetics
- Financial assessment
- 5. QUALITY AND STABILITY FACTORS IN COMPOSTING
- Introduction
- Appropriate standards
- Raw versus composted waste
- Identification
- 5. CONCLUSION
- 14. Municipal waste water treatment and energy recovery
- 1. INTRODUCTION
- 2. THE GANGA ACTION PLAN
- 3. INDO-DUTCH ENVIRONMENTAL PROJECT
- INTEGRATED APPROACH
- UASB SYSTEM -A CLEAN TECHNOLOGY
- Advantages of UASB over traditional aerobic processes
- Technical aspects
- Energy recovery from municipal sewage
- Technology options for municipal waste water treatment
- Case-studies
- 5 mld UASB treatment plant at Kanpur
- Energy savings and biogas generation
- Conclusions
- Recommendations
- 14 mld UASB treatment plant at Mirzapur
- Energy recovery
- Financial aspects
- 15. Principles of Municipal Solid Waste Management
- 1. INTRODUCTION
- Solid Waste Generation
- Environmental Impact of Solid Waste Disposal on Land
- Objective of Solid Waste Management
- 2. PRINCIPLES OF MUNICIPAL SOLID WASTE MANAGEMENT
- Waste Reduction
- Effective Management of Solid Waste

Functional Elements of Municipal Solid Waste Management

### 3. HIERARCHY OF WASTE MANAGEMENT OPTIONS

#### 4. WASTE MINIMISATION

#### 5. RESOURCE RECOVERY THROUGH MATERIAL RECYCLING

Sorting at Source

Centralised Sorting

Sorting Prior to Waste Processing or Landfilling

#### 6. RESOURCE RECOVERY THROUGH WASTE PROCESSING

Biological Processes

Thermal Processes

Other Processes

#### 7. WASTE TRANSFORMATION (WITHOUT RESOURCE RECOVERY) PRIOR TO DISPOSAL

Mechanical Transformation

Thermal Transformation

Other Methods

#### 8. DISPOSAL ON LAND

#### 9. COMPONENTS OF MUNICIPAL SOLID WASTE MANAGEMENT SYSTEM

#### 10. LINKAGES BETWEEN MUNICIPAL SOLID WASTE MANAGEMENT SYSTEM AND OTHER TYPES OF WASTES GENERATED IN AN URBAN CENTRE

#### 11. MATERIALS FLOW CHART FOR MUNICIPAL SOLID WASTE MANAGEMENT SYSTEM (1000 t.p.d. WASTE GENERATION)

#### 16. Composition and Quantity of Solid Waste

##### 1. INTRODUCTION

Terminology and Classification

Variations in Composition and Characteristics

##### 2. DEFINITIONS AND CLASSIFICATION OF SOLID WASTES

Definitions

(i) Domestic/Residential Waste:

(ii) Municipal Waste:

(iii) Commercial Waste:

(iv) Institutional Waste:

(v) Garbage:

(vi) Rubbish:

(vii) Ashes:

(viii) Bulky Wastes:

(ix) Street Sweeping:

(x) Dead Animals:

(xi) Construction and Demolition Wastes:

(xii) Industrial Wastes:

(xiii) Hazardous Wastes:

(xiv) Sewage Wastes:

Classification

##### 3. COMPOSITION, CHARACTERISTICS AND QUANTITIES

Need for Analysis

Field Investigations

Number of Samples to be Collected

Collection of Samples of Solid Waste

Composition and Characteristics

Characteristics of Municipal Solid Waste in Indian Urban Centres

Per Capita Quantity of Municipal Solid Waste in Indian Urban Centres

Estimation of Future Per Capita Waste Quantity

Relation between Gross National Product (GNP) and Municipal Solid Waste Generation

Rate of Increase based on Experience in Other Cities



Seasonal Variations

Physical Characteristics

Density

Bulk Density Measurement

1. Material and apparatus:

2. Moisture Content

3. Size of Waste Constituents

4. Calorific Value

Chemical Characteristics

Classification

(i) Lipids:

(ii) Carbohydrates:

(iii) Proteins:

(iv) Natural Fibres:

(v) Synthetic Organic Materials (Plastic):

(vi) Non-combustibles:

4. CONCLUSION

17. Slaughter House Waste and Dead Animals

1. INTRODUCTION

2. MAGNITUDE OF THE PROBLEM

3. CLASSIFICATION

4. OPERATIONS DURING SLAUGHTERING OF ANIMALS

Present Scenario

Slaughtering

Bleeding

Dressing

Evisceration

5. MEASURES PROPOSED TO IMPROVE THE SLAUGHTER HOUSE WASTE MANAGEMENT

Liquid Waste/Effluent

Collection of Blood

Improved Method of Dressing

Evisceration

Safe Disposal of Waste Products

Odours Control

Modernisation of Slaughter House

Curbing Activities of Illegal Slaughtering of Animals

Provision of Dry Rendering Plants

6. CONCLUSION

18. Industrial Solid Waste

1. INTRODUCTION

2. THE PROBLEMS

3. INDUSTRIAL SOLID WASTE

4. DESCRIPTION OF IMPORTANT INDUSTRIAL SOLID WASTE

Coal Ash

Integrated Iron & Steel Plant Slag

Phosphogypsum

Red Mud

Lime Mud

Waste Sludge and Residues

Potential Reuse of Solid Wastes

5. WASTE MANAGEMENT APPROACH

Prevention-A Waste Minimisation Approach

Inventory Management and Improved Operations

Waste Management at Source

6. AREA OF APPLICATION OF SOME IMPORTANT INDUSTRIAL WASTES

7. CURRENT PRACTICE OF INDUSTRIAL SOLID WASTE MANAGEMENT

Collection and Transport of Wastes

Storage & Transportation

Disposal of Industrial Solid Waste

8. HEALTH CONSEQUENCES OF POOR INDUSTRIAL WASTE DISPOSAL

9. COLLECTION, STORAGE TREATMENT & DISPOSAL OF WASTES

Waste Segregation

Collection, Storage and Transport

Combined Treatment Facilities

Disposal Methods

Landfills?

(i) Definitions

Why landfills?

Design:

10. CASE STUDIES

Construction:

Closure & Post Closure:

Incineration

Manifest System

Post Treatment

Back-transport

Monitoring

Record Keeping

11. LEGISLATION FOR MANAGEMENT OF HAZARDOUS WASTE AND CATEGORISATION OF HAZARDOUS WASTE

11. HANDLING OF HAZARDOUS CHEMICALS

12. INDUSTRIAL LOCATION

13. MANAGEMENT OF INDUSTRIAL SOLID WASTES CO-ORDINATION (SPCBs & LOCAL BODIES)

19. Emerging Processing Technologies

1. INTRODUCTION

2. VERMICOMPOSTING

3. BIOGAS FROM MUNICIPAL SOLID WASTES

4. CONVERSION OF SOLID WASTES TO PROTEIN

5. ALCOHOL FERMENTATION 259

6. PYROLYSIS

Plasma Arc Technology/Plasma Pyrolysis Vitrification (PPV)

7. REFUSE DERIVED FUEL

8. HYDROPULPING

9. SLURRY CARB PROCESS

10. TREATMENT FOR RECOVERY OF USEFUL PRODUCTS

11. SUMMARY

20. Wastewater and Its Collection

1. ECOSYSTEM APPROACH TO POLLUTION CONTROL

Food Chains and Webs

Accumulation of Substances in Food Chains and Webs

Accumulation of Pollutants in Waterbodies

Species Diversity and Ecosystem Stability

Nature of Pollutants

Effects of Pollutants

Control of Pollutants

2. WASTE WATER CHARACTERISTICS

Municipal Wastewater

Industrial Wastewater

Fluctuations In Flow and Composition

3. TYPES OF WASTES AND APPLICABLE RULES

4. PLANNING FOR WASTEWATER COLLECTION

Introduction

Data Requirements and Surveys

On-Site and Off-Site Disposal Systems

Sewer Discharge Standards

Proportion of Industrial and Domestic Wastes

Potential Health Benefits

New Approaches in Sewerage System Design

21. Principles of Reactor Design

1. REACTION ORDER

2. FLOW PATTERNS OF REACTORS

Batch Reactors

Ideal Plug Flow

Ideal Completely Mixed Flow

3. ESTIMATION OF DISPERSION NUMBER, D/UL

Use of Tracer Tests

Use of Empirical Equations

Cells in Series Parallel Arrangements

4. EFFECT OF SHOCK LOADS

5. ESTIMATION OF WASTEWATER TEMPERATURE IN LARGE REACTORS

6. FACTORS AFFECTING CHOICE OF REACTORS

Nature of the Waste

Process Optimization

Other Factors

22. Principles of Biological Treatment

1. MICROBIAL GROWTH RATES

2. TREATMENT KINETICS

3. HANDLING OF SOLIDS

4. SLUDGE AGE AND HYDRAULIC RETENTION TIME

5. FOOD/MICROORGANISMS RATIO

6. BUILD UP OF SOLIDS IN SYSTEM

7. SUBSTRATE REMOVAL EFFICIENCY

8. TEMPERATURE EFFECTS

9. ESTIMATION OF FINAL EFFLUENT BOD

10. OXYGEN REQUIREMENTS

For Facultative and Flow-through Units

For Flow-through Systems with Recycling

11. NUTRIENT REQUIREMENTS

12. PHOSPHORUS REMOVAL

13. NITROGEN REMOVAL

14. CHOICE OF SLUDGE AGE

23. Mechanically Aerated Lagoons

1. TYPES OF AERATED LAGOONS

Facultative Aerated Lagoons

Aerobic Flow-through Lagoons

Aerobic Lagoons with Recycling of Solids

2. DESIGN OF FACULTATIVE AERATED LAGOONS

Substrate Removal Rate

Lagoon Mixing Conditions and Efficiency

- Lagoon Depth
- Solids in Suspension and Power Level
- Oxygenation and Power Level
- Anaerobic Activity In Facultative Lagoons
- Performance
- Sludge Accumulation
- 3. DESIGN OF AEROBIC FLOW-THROUGH TYPE LAGOONS
- Substrate Removal and Solids Concentration
- Detention Time
- Solids Concentration
- Final Effluent BOD
- Oxygen Requirements
- Aeration Power and Power Level
- 4. DESIGN OF DUAL-POWERED AERATED LAGOONS
- Design Basis
- Retention Time
- Performance Power Requirement
- Sludge Accumulation
- 5. DESIGN OF AEROBIC LAGOONS WITH RECYCLING OF SOLIDS (EXTENDED AERATION LAGOONS)
- 6. CHOICE OF COMBINATIONS AND LAYOUTS OF UASBs, AERATED LAGOONS AND ALGAL PONDS
- 7. OPTIMIZATION TRIALS
- 8. CONSTRUCTION FEATURES
- 24. Power Generation Based on Distillery Spentwash
- INTRODUCTION
- THE BIOPAQ TECHNOLOGY
- Pre-acidification/buffer tank
- Sludge disposal
- Biogas handling
- CASE-STUDY
- NEW DEVELOPMENT
- Power generation scheme
- CONCLUSION
- 25. Production, Use, and Disposal of Plastics and Plastic Products
- 1. SUMMARY OF KEY FINDINGS
- 2. TECHNOLOGICAL OVERVIEW
- Manufacturing Resins
- Incorporating Additives
- 3. PRODUCTION AND CONSUMPTION STATISTICS
- Historical Overview
- Domestic Production of Plastics
- Import/Export and Domestic Consumption
- Economic Profile of the Plastics Industry
- Sector Characteristics
- Market Conditions and Prices for Commodity Resins
- Characteristics of Major Resin Types
- Characteristics of Major Additive Types
- 4. MAJOR END USE MARKETS FOR PLASTICS
- Packaging
- Building and Construction
- Consumer and Institutional Products
- Electrical and Electronics
- Furniture and Furnishings

Transportation

Adhesives, Inks, and Coatings

## 5. DISPOSITION OF PLASTICS INTO THE SOLID WASTE STREAM

Plastics in Municipal Solid Waste

Plastics in Building and Construction Wastes

Plastics in Automobile Salvage Residue

Plastics in Litter

5 Plastics in Marine Debris.

26. Impacts of Post-consumer Plastics Waste on the Management of Municipal Solid waste

## SUMMARY OF KEY FINDINGS

Landfilling

Management Issues

Incineration

Management Issues

Environmental Releases

Litter

## LANDFILLING

Management Issues

Landfill Capacity

Landfill Integrity

Other Management Issues

Environmental Releases

Leaching of Plastic Polymers

Leaching of Plastics Additives

## INCINERATION

Introduction

Number, Capacity, and Types of Incinerators

Combustion Properties of Plastics

Plastics Combustion and Pollution Control

Incinerator Management Issues

Excessive Flame Temperature

Products of Incomplete Combustion (PICs)

Formation of Slag

Formation of Corrosive Gases

3 Environment Release

Emissions from MSW Incinerators

Plastics Contribution to Incinerator Ash

## LITTER

Background

Analysis of Relative impacts of Plastic and other Litter

27. The Potential for Divertable Plastic Waste

## 1. SCENARIO DEVELOPMENT

1 Scenario 1

2 Scenario 2

3 Scenario 3

4 Scenario 4

5 Scenario 5

## 2. ESTIMATED QUANTITIES OF DPW

1. Scenario 1

2.Scenario 2

3. Scenario 3

4. Scenario 4

5. Scenario 5

### 3. SUMMARY

#### 28. Objectives and Action Items

##### OBJECTIVES FOR IMPROVING MUNICIPAL SOLID WASTE MANAGEMENT

###### Source Reduction

###### ACTION ITEMS:

###### ACTION ITEMS:

###### OBJECTIVE 1: EVALUATE POTENTIAL FOR MINIMIZING PACKAGING

###### ACTION ITEMS:

###### OBJECTIVE 2: EDUCATION AND OUTREACH ON SOURCE REDUCTION

###### ACTION ITEMS:

###### RECYCLING

###### ACTION ITEMS:

###### Improving Recyclability of the Waste Stream

###### Collection/Separation

###### Processing

###### Marketing

###### Public Education

###### Landfilling and Incineration

###### OBJECTIVE 1: FURTHER EVALUATE ADDITIVES

###### ACTION ITEM:

###### OBJECTIVE 2: MONITOR PVC USE

###### ACTION ITEMS:

###### OBJECTIVE 3: IMPROVE DISPOSAL OPTIONS

###### ACTION ITEMS:

##### OBJECTIVES FOR HANDLING PROBLEMS OUTSIDE THE MSW MANAGEMENT SYSTEM

###### Wastewater Treatment Systems/Combined Sewer overflows/Stormwater Drainage Systems

###### Wastewater Treatment Systems

###### ACTION ITEM:

###### Combined Sewer Overflows

###### ACTION ITEMS:

###### Storm water Discharges

###### ACTION ITEMS:

###### Other Sources of Marine Debris

###### Vessels

###### OBJECTIVE 1: IMPLEMENT ANNEX V OF MARPOL

###### ACTION ITEMS:

###### OBJECTIVE 2: REDUCE IMPACT OF FISHING GEAR

###### ACTION ITEM:

###### Plastic Manufacturers, Processors, and Transporters

###### ACTION ITEMS:

###### Garbage Barges

###### ACTION ITEM:

###### Land- and Sea-Originated Litter

###### OBJECTIVE 1: SUPPORT LITTER RETRIEVAL AND CHARACTERIZATION

###### ACTION ITEMS:

###### OBJECTIVE 2: SUPPORT LITTER PREVENTION

###### ACTION ITEMS:

###### Degradable Plastics

###### ACTION ITEMS:

#### 29. Recent Legislative and Regulatory Actions

##### LOCAL AND STATE ACTIONS

##### FEDERAL ACTIONS

##### IMPLICATIONS FOR PLASTICS RECYCLING

# About NIIR

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