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Environmental Studies
Director's Office
Office of Solid Waste Research Papers, 1987-2000

## Box 1:

#### **ADMINISTRATIVE FILES**

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Correspondence, 1988
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Subject Files
      Background, 1986-87
      Committee on Solid Waste Management Research, 1989
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      Illinois Department of Commerce and Community Affairs-SWR1 Report, 1996
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# Box 2.

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#### **GRANT FILES**

Office of Solid Waste Research (OSWR) Grant Proposals–Round 1, 1987-89

OSWR-01-001—"Identification of Factors Contributing to Conflict and Cooperation in Siting of Solid Waste Facilities in Rural Illinois Communities," 1987

OSWR-01-004—"Insurance, Monitoring and Risk Management of Solid Waste Disposal Sites," 1987-89

OSWR-01-005—"Treatment of Municipal Landfill Leachate with the Upflow Anaerobic Sludge Blanket Reactor," 1987

OSWR-01-006—"Products of Incineration of Complex Organic Materials in the Presence of Inorganic Additives," 1987-88

OSWR-01-007—"Development of a Laboratory Scale Waste Combustor and Pollution Control System," 1987-90

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OSWR-02-005—"Development of a Two-Phase Receptor Model for Emissions from Municipal Waste Incineration," 1988-92

OSWR-02-006—"Determination of the Composition of Landfill Gas," 1988-89 OSWR-02-007—"Design Methods for Reclamation of Aquifers Contaminated by Solid Waste Leachate," 1988-92

OSWR-02-008—"Analysis of the Genotoxic Properties of Bottom and Fly Ash Resulting from Municipal Solid Waste Incineration," 1988-90

OSWR-02-009-"Trace-Metal Mobility in Aquifer Systems," 1988-91

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## Box 3:

OSWR-02-014—"Legislating Community Decision Making," 1989-91

OSWR Grant Proposals-Round 3, 1989-90

OSWR-03-001—"Minimizing Formation of Organochlorine Compounds during Combustion of Polymers," 1989-90

OSWR-03-004—"Effects of Oxidation and Reduction on the Hydraulic Conductivity of Clay Liners," 1989-92

OSWR-03-005—"Characteristics of Colloids in Landfill Leachate," 1990-92 OSWR-03-008—"The Influence of Community Recycling Infrastructure on Parameters Attitudes Mativation and Bahaviar Pagarding Wests Diagonal

Perceptions, Attitudes, Motivation and Behavior Regarding Waste Disposal Activities," 1989

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OSWR-04-002—"Studies Related to the Optimization of Fluid-Based Incinerators," 1991-93

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OSWR-04-004—"An Investigation of Light, Acoustical, and Magnetic Signatures of Recyclable Container Materials," 1990-91

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OSWR-05-002—"Analysis of the Genotoxic Properties of Municipal Solid Waste Incinerator Ash of Organic and Heavy Metal Extracts," 1989-94

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OSWR-05-006—"Enhanced Biodegradation of Cellulose in Municipal Solid Waste," 1990-94

OSWR-05-009—"Source Reduction through Consumer Behavior," 1990-95

## Box 4:

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OSWR-06-005-"Structural Integrity of Soil/Geosynthetic Liner Systems for Solid Waste Landfills," 1991-93

OSWR-06-006—"Fates of Chlorine during Co-Combustion of Chlorinated Plastics," 1994

OSWR-06-011—"Application of Artificial Intelligence to Classification and Sorting of Recyclable Containers," 1991-94

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OSWR-06-013-"Illinois State University Trial 910," 1990-93

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OSWR-07-002—"Monitoring of the Genetic Toxicity of the Gaseous Agents and Leachates from a Landfill Site and the Ambient Air Quality Around an Incinerator," 1991-95

OSWR-07-003-"Studies on Flames Burning PVC," 1991-94

OSWR-07-006—"Improved Methods of Mapping Subsurface Geology for Landfill Site Selection and Evaluation," 1991-98

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OSWR-07-008—"Composting and Its Affect (sic) on Pesticide Fate," 1991-94 OSWR Grant Proposals—Round 8, 1992

#### Box 5:

OSWR-08-003—"Development and Application of a Comprehensive Approach for Estimating Solid Waste Generation in Illinois," 1991-94

OSWR-08-006—"The Participation of Racial and Ethnic Minorities in the Solid Waste Management Planning Process," 1992-97

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OSWR-09-003-"Studies on Flames Burning PVC," 1993

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OSWR-10-001—"Thermoplastic Composites of Recycled High Density Polyethylene Reinforced by Short Glass Fibers," 1992-95

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OSWR-10-007—"Solid State Shear Extrusion: A New Approach to Plastic Recycling," 1993

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OSWR-10-008-"Recycling Waste Plastics into High Value Carbon Materials," 1992-95

OSWR-10-010—"Food Waste Processing Pilot Facility at the University of Illinois." 1992-97

OSWR-10-013—"Structural Integrity of Geosynthetic Liner and Cover Systems

for Solid Waste Landfills," 1993

OSWR-10-014—"Optimization of Lawn Bags for Yard Waste Composting," 1993-95

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OSWR-11-002—"ISU Trial 915: Recycling Food Waste and Waste Paper as a Cattle Feed and as a Soil Amendment," 1993-97

OSWR-11-003—"Extension of Development and Application of a Comprehensive Approach for Estimating Solid Waste Generation in Illinois," 1993-95

OSWR-11-006—"The Content and Structure of Conflicts in Siting Solid Waste Management Facilities in Illinois," 1993-96

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OSWR-12-002—"Dechlorination of PVC: Conversion of Organochlorine Compounds in Solid Waste to Reusable Products," 1994-95

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OSWR-12-013—"Evolution of Anaerobic Digestion of the Non-Recyclable Fraction of Municipal Solid Waste as an Alternative to Landfilling," 1994-97 OSWR Grant Proposals—Round 13, 1994

## Box 7:

OSWR-13-003—"Applications Development for Post-Consumer Polyolefins Recovered by Novel Solid State Extrusion Process," 1994-97

OSWR-13-006-"Understanding the Public Response to Source Resource Strategies in Household and Employment Contexts," 1994-97

## OSWR Grant Proposals-Round 14, 1995

OSWR-14-008—"Continuation of ISU Trial 915: Recycling Food Waste and Waste Paper as Cattle Feed and as a Soil Amendment," 1997

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OSWR-15-002—"Excavation and Evaluation of the Engineering Properties of ISGS Soil Liner," 1996-2000

OSWR-15-003—"Getting Solid Waste Management on the Grassroots Agenda," 1995-98

OSWR-15-005—"Study of Composite Materials Made of Recycled High Density Polyethylene and Scrap Automobile Tire," 1995-98

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OSWR-17-003—"Production of Monomers from Waste Polymers through Catalysis," 1997-99

OSWR-17-005—"Development of Carbon-Based Adsorbent from Waste Tire-Paint Sludge Blends for Fuel-Vapor Control in Automobiles," 1997-99 OSWR-17-007—"Solid-State Shear Extrusion: The Route to Value-Added Recycled Plastics from High Volume Waste Streams," 1997