

Approved: Carl Dean Holmes 1-17-95  
Date

MINUTES OF THE HOUSE COMMITTEE ON ENERGY AND NATURAL RESOURCES.

The meeting was called to order by Chairperson Carl Holmes on January 12, 1995 in Room 526-S of the Capitol.

All members were present except: Representative Doug Lawrence - Excused  
Representative Cindy Empson - Excused  
Representative Joann Flower - Excused  
Representative Phill Kline - Excused

Committee staff present:

Conferees appearing before the committee: Howard Johnston - Rolling Meadows Recycling and Disposal Facility

Others attending:

The Committee took a tour of the Rolling Meadows Recycling and Disposal Facility . Mr. Howard Johnston, General Manager of the facility directed the Committee through their landfill operations, and provided members with a brochure and fact sheets on the business. (See Attachment #1.)

The next meeting is scheduled for January 17, 1995.

**TOP TEN LANDFILLS  
SOLID WASTE DISPOSED IN 1993  
(FROM TIPPING FEE)  
AS OF: January 12, 1995**

<u>LANDFILLS</u>	<u>FEES CY 93</u>	<u>TONNAGE CY 93</u>	<u>** FEES CY 94</u>	<u>TONNAGE CY 94</u>
Johnson County (private)	\$1,016,841.00	677,894	\$1,364,130.60	909,420
Brooks Site (city)	\$884,013.63	589,342	\$832,189.30	554,793
Forest View (city)	\$525,199.62	350,133	\$397,526.05	265,017
Wheatland (private)	\$163,230.87	108,821	\$331,105.67	220,737
Rolling Meadows (private)	\$254,003.65	169,336	\$324,760.36	216,507
N.R. Hamm (private)	\$224,812.28	149,875	\$316,508.51	211,006
Olathe (city)	\$114,089.00	76,059	\$175,178.95	116,786
Salina (city)	\$123,809.04	82,539	\$139,383.76	92,923
Reno County	\$118,683.80	79,123	\$144,443.11	96,295
APAC-Kansas Inc. (private)	\$105,606.00	70,404	\$127,185.00	84,790
<b>TOP TEN TOTAL</b>	<b>\$3,530,288.89</b>	<b>2,353,526</b>	<b>\$4,152,411.31</b>	<b>2,768,274</b>

**\*\* The fourth quarter of CY 1994 is estimated using fourth quarter CY 1993 actuals.**

Rolling Meadows  
Recycling & Disposal Facility  
7351 NW Hwy 75  
Topeka, Kansas 66618  
913/246-0305

Howard Johnston  
General Manager



A Waste Management Company

*1/12/95  
Energy & Nat. Resource  
Attachment #1*



# Rolling Meadows Recycling & Disposal Facility

## Shawnee County, Kansas

### FACT SHEET

#### Introduction

The Rolling Meadows Recycling and Disposal Facility is a 343-acre landfill which is designed to accept municipal solid waste and special waste primarily generated in and around Shawnee County. The site, located on Highway 75 in Topeka, is owned and operated by Waste Management of Kansas, Inc. Since the site was acquired by Waste Management of North America in 1986, it has kept pace with new federal and state regulations by continually upgrading its environmental safeguards. The Rolling Meadows Recycling and Disposal Facility is operated in a manner which protects public health and the environment.

This fact sheet has been designed to help you become better acquainted with the operations of the Rolling Meadows Recycling and Disposal Facility. The following are commonly asked questions about the site.

#### *Q. How much waste is accepted daily?*

A. The facility accepts approximately 3,000 cubic yards per day. That is equivalent to approximately 110 truckloads of waste.

#### *Q. Where does the waste originate?*

A. The waste disposed at the Rolling Meadows facility is generated at homes and businesses in and around Shawnee County.

#### *Q. What types of waste are accepted at the Rolling Meadows Recycling and Disposal Facility?*

A. Solid wastes from homes and commercial establishments are accepted at the landfill. Some examples of the wastes disposed at the Rolling Meadows facility include discarded food, broken furniture, and paper products such as napkins and tissues. Additionally, special wastes, including sludge from municipal waste water treatment

plants are brought to the landfill. No liquid or hazardous wastes are accepted.

#### *Q. Can recyclables be brought to the facility?*

A. Yes. The Rolling Meadows Recycling and Disposal Facility has several containers on site which are specifically available for the deposit of recyclable materials such as aluminum, plastics, newspaper and glass. Residents wishing to recycle can drop off material during regular operating hours.

#### *Q. What environmental protection systems are in place at the landfill?*

A. The network of environmental protection systems at the Rolling Meadows RDF starts with a composite liner consisting of three feet of compacted shale and a 60 mil HDPE geosynthetic liner. This liner system exceeds all State and Federal regulations.

The environmental protection system also includes a leachate collection system consisting of a network of perforated pipe and a layer of stone placed atop the liner to allow for proper drainage/collection of rainwater and other liquids in the landfill. Once collected, the liquid is then pumped from the disposal area to a local waste water facility for proper treatment.

Rainfall which is diverted away from the landfill must also be managed. At the Rolling Meadows facility, storm water runoff is collected and contained in a retention pond. The retention pond allows soil particles to settle out of the water before it is discharged to a nearby waterway.

Groundwater is one of the most important concerns at a landfill and requires special monitoring. Groundwater monitoring wells have been installed throughout the site to ensure that landfill operations are not impacting groundwater. Each of the wells is sampled on a quarterly basis, with the results sent to the Kansas Department of Health and Environment.

# FACT SHEET - Rolling Meadows Recycling & Disposal Facility

**Q. What additional steps are taken to ensure that the landfill is a good neighbor?**

A. Proper daily operations are critical to environmentally sound waste disposal. Therefore, all the employees at the Rolling Meadows Recycling and Disposal Facility are trained to handle incoming waste in the most environmentally responsible manner.

Access to the site is limited to one entrance and one exit. The facility records and tracks all shipments to the landfill with gate receipts and a network of video cameras. Each load of incoming waste is visually inspected to ensure that only permitted materials are accepted for disposal. Once unloaded, the waste is immediately compacted to conserve airspace. At the end of each working day, six inches of soil is spread over the compacted waste to minimize odors.

The Kansas Department of Health and Environment has approved the use of a tarp as an alternate to the soil cover. The tarp is rolled out to cover the waste at the end of each day. The next morning the tarp is rolled up before the start of filling activities.

Steps are also taken to control dust and litter at the landfill. Periodic watering of access roads prevents dust from rising when trucks travel in and out of the landfill. Litter is minimized by limiting the size of the active disposal area, applying daily cover and using portable fencing on windy days to catch lightweight materials.

**Q. Who permits and inspects the facility?**

A. The facility is fully permitted by the Kansas Department of Health and Environment. In addition to complete

internal landfill audits (performed every year), the site is regularly inspected by the Kansas Department of Health and Environment and the Shawnee County Health Agency.

**Q. When is the landfill open for business?**

A. The Rolling Meadows Recycling and Disposal Facility is open Monday through Friday from 7 a.m. to 5 p.m. and 7 a.m. to 3 p.m. on Saturday.

**Q. Who can I contact for more information?**

A. For more information on the Rolling Meadows Recycling and Disposal Facility, please contact:

General Manager  
Rolling Meadows Recycling & Disposal Facility  
7351 N.W. Highway 75  
Topeka, Kansas 66618  
913/288-0305

Community Relations  
Waste Management, Inc.  
Midwest Group  
P. O. Box 7070  
Two Westbrook Corporate Center, Suite 1000  
Westchester, IL 60154  
708/409-0700

# WMX TECHNOLOGIES, INC.

## Fact Sheet

Overview: WMX Technologies, Inc. is the nation's largest provider of environmental management services including waste reduction, recycling, collection, resource recovery, processing, air pollution control systems, water treatment technologies, environmental engineering and consulting and disposal of solid and hazardous wastes.

**Employees**      72,650

**Number of States Served**      49

### International Countries With Operating Locations

Argentina, Australia, Austria, Brunei, Canada, Denmark, Finland, France, Germany, Hong Kong, Indonesia, Italy, Malaysia, Mexico, the Netherlands, New Zealand, Singapore, Spain, Sweden, Taiwan, United Kingdom

### Financial

1993 revenues	= \$9.1 billion
1993 net income	= \$452,776,000
1993 Earnings per share	= \$.93
1993 Market Value	= \$12.8 billion
1993 Assets	= \$16.5 billion

### Waste Management, Inc. - Solid Waste Operations

The Company operates in 380 of the country's top 500 markets

Employees	32,061
Solid Waste Landfills	132 (9-30-93)
Residential Customers	11.3 million
Commercial/Industrial	1 million
Municipal Contracts	1,900

Hauling Companies	+340 (1992 data)
Transfer Stations	117 (includes 30 Trans./MRFs)
Recycling Processing Facilities	113 (includes 83 MRFs and 30 Trans/MRFs from above)

Recycling

Curbside Programs	761 contracts
Curbside Households	5.9 million
Commercial Customers	+112,000
Amount of Materials Recovered by Recycle America in 1992	2 million tons
Container Recycling Alliance Joint Venture materials marketed in 1992	10 million lbs of tin/steel 12.3 million lbs of aluminum 23,000 tons of glass
Paper Recycling Alliance paper marketed in 1992	1.8 million tons

WMI Services (Port-O-Let and Modulaire Service Centers)

112,378 Port-O-Lets

19,197 Modulaire units

Waste Tire Shredding Facilities 15 (1992 data)

Gas Recovery 31 facilities

WMX is currently the leader in landfill gas recovery in the U.S. with 101.7 million watts of electrical generation capacity in operation and 65.9 million cubic feet of medium BTU gas sales per day. Several methane recovery programs capture gas produced by degrading waste for electrical energy as part of a joint venture with Caterpillar Financial Services. Others sell the recovered gas to industry. Annually, these plants recover energy sufficient to power more than 100,000 homes, the equivalent to 1.8 million barrels of oil. Some 30 gas recovery programs are planned.

Medical Waste Treatment Facilities 6

The State-of-the-Art Medical Waste Treatment Facilities include one autoclave and five incinerators which meet all state and federal air emission regulations.

Environmental Monitoring Laboratory (1992 data)

EML opened in October 1988 and is the most sophisticated facility of its type in the nation dedicated to the analysis of groundwater. The \$30-million laboratory provides analysis of groundwater sampled regularly from each of the company's 7,500 monitoring wells located at disposal facilities throughout the country.

Equipment

More than 15,650 collection vehicles throughout North America. This includes recycling trucks, rearloading trucks, front-loading trucks, roll-off vehicles and side-loading vehicles.

## Chemical Waste Management - Hazardous Waste Operations

Chemical Waste Management, Inc., a 79 percent-owned subsidiary, is the nation's largest provider of comprehensive hazardous waste services.

Employees	4,441
Customers	22,040
Hazardous Waste Landfills	7 (1992 data)
Hazardous Waste Incinerators, Recovery, Treatment Facilities	17 (1992 data)
Service Centers	12 (1992 data)
Transportation Terminals	33 (1992 data)

A subsidiary of Chemical Waste Management, Chem-Nuclear Systems, is the only private provider of low-level nuclear waste disposal east of the Mississippi River. Based in Columbia, S.C., the company operates:

Chem-Nuclear Low-Level Radioactive Waste Disposal (1992 data)	1
Chem-Nuclear Low-Level Radioactive Waste Service Centers	2 (1992 data)

## CWM Technologies

CWM is a leader in developing new technologies for the recycling, treatment, neutralization, and disposal of hazardous wastes. Among them are:

X\*TRAX - Thermal separation of contaminants from solids and sludges. Capable of separating mixed wastes.

Transportable incineration - Transportable units deployed primarily for cleaning up abandoned hazardous waste sites.

PO\*WW\*ER - (Process Oxidation Wastewater Evaporation Reduction). Wastewater treatment system, applicable for both organic and inorganic contaminants.

Chem-Matrix - Transportable and fixed-facility hazardous waste stabilization systems.



## **RUST International Inc.**

RUST International Inc., 56 percent-owned by CWM and 40 percent-owned by WTI, is a leading environmental engineering, construction, infrastructure and consulting company. RUST is the nation's largest remediation contractor, the fifth largest environmental consulting and infrastructure firm and the fifth leading design/construct firm. In addition, the Company provides industrial customers with scaffolding services, industrial cleaning and maintenance as well as specialty nuclear services and marine services. RUST employs 15,927 people. The RUST Companies include:

**RUST Engineering** is a full-service design engineering and construction company. RUST provides environmental design and permitting, construction management, operations management and in-plant services.

**RUST Environmental & Infrastructure**, a science-based environmental services and engineering firm, provides a range of engineering, architectural and scientific services to governmental, municipal, industrial and other clients throughout the United States and overseas.

**RUST Remedial Services** group specializes in cleaning industrial, governmental and Superfund sites contaminated with hazardous substances. Since its formation in 1981, the remedial group has completed more than 10,000 environmental restoration projects, including some of the most seriously contaminated Superfund sites in the country.

**RUST Construction Services** is a full-service specialty contractor providing construction, repair and dismantlement services for industrial and commercial facilities.

**RUST Industrial Services** is the largest full-service scaffolding company in North America, providing rental and sale of scaffolding equipment, engineering and design support, supervision, safety training, as well as construction and dismantlement services. RUST Industrial also provides industrial cleaning services, industrial plant services and an array of services for utilities.

## Waste Management International plc

Waste Management International plc is the largest provider of comprehensive waste management services outside of North America, with operations in 19 countries. Through a network of locally-managed subsidiaries, the Company provides integrated solid and hazardous waste management services including recycling, collection, hauling, incineration, trash-to-energy, disposal and street cleaning services. The Company provides environmental services in Argentina, Australia, Austria, Brunei, Denmark, Finland, France, Germany, Hong Kong, Indonesia, Italy, Malaysia, the Netherlands, New Zealand, Singapore, Spain, Sweden, Taiwan, and the United Kingdom. Waste Management International plc is 56% owned by WMX Technologies, 12% owned by Wheelabrator Technologies, and 12% owned by Rust International.

Employees	16,407
Municipal Recycling Programs	450 (1992 data)
Municipal Solid Waste Collection Contracts Households	1,637 6.3 million
Commercial/Industrial Customers	174,739
Solid and Hazardous Waste Landfills	56 (1992 data)
Transfer Stations	48 (1992 data)
Recycling Plants	14 (1992 data)
Trash-to-Energy Plants, Solid Waste Incinerators	9 (1992 data)
Hazardous Waste Treatment Plants	14 (1992 data)

January 1994