

Bureau of Waste Management Solid Waste Branch

September 22, 2010



Nevada Division of Environmental Protection

Overview of Solid Waste Program

We'll talk about...

- Program Goals
- Regulatory Authority
- Program Activities
- Status of Solid Waste in Nevada

Better known as...

The who, what, why, where and how for solid waste management in Nevada

Bureau of Waste Management

Two branches comprise the BWM:

- Solid Waste Branch
- Hazardous Waste Branch

Each branch performs similar activities:

- Permitting
- Compliance and Enforcement
- Planning
- Recycling is limited to Solid Waste Program

Our Mission:

- To protect human health, public safety and the environment (WATER)
- To conserve natural resources by ensuring safe management of solid and hazardous waste
- To promote waste reduction, reuse and recycling

Tool #1 -

Resource Conservation Recovery Act

- Arranged in Subtitles A through J:

A – General Provisions...

C – Hazardous Waste Management...

D – State or Regional Solid Waste Plans...

- Federal solid and hazardous waste disposal law

Read history at →

www.epa.gov/waste/laws-egs/rcrahistory.htm

Tool #2 -

- NRS 444.590 designates State Department of Conservation and Natural Resources as state agency for such purposes as are required by the RCRA of 1976, 42 U.S.C. §§ 6941 et seq.
- Nevada Revised Statutes –
NRS 444.440 to NRS 444.645
- Nevada Administrative Code –
NAC 444.570 to NAC 444.7499
- Available at www.ndep.nv.gov

Regulatory Authority in Nevada - How does it work?

State Environmental Commission

Who is the SEC?

- Eleven member quasi-judicial and quasi-legislative board that operates under the authority of Nevada Revised Statute which acts on regulatory proposals by NDEP
- Established by State Legislature in 1971 (NRS 233B.050)
- Read SEC history at www.sec.nv.gov/history/sec_history.htm

Why mention the SEC?

- The SEC is required by NRS 444.560 to adopt regulations concerning solid waste management systems

What regulations did the SEC adopt?

- 40 CFR Part 258 (RCRA, Subtitle D) by reference (NAC 444.636)

Why Adopt 40 CFR Part 258?

- Title 40 – Environmental Regulations
- See www.epa.gov/lawsregs/search/40cfr.html

Key Element -

- Regulations identify how to implement the Resource Conservation Recovery Act (RCRA)
- Prescribes landfilling requirements (i.e. location, design, operation, groundwater monitoring, financial assurance, closure, etc...)

Note the Jurisdictions in Nevada

Three Solid Waste Management Authorities:

- Washoe County District Health Department
- Southern Nevada Health District
- Nevada Division of Environmental Protection (BWM)

ACTION:

Each jurisdiction administers solid waste management regulations and can be no less stringent than State requirements

Solid Waste Management Program



Solid Waste Permitting

- Permits are required:
 - Solid waste disposal facility, waste tire facility or compost facility
 - Permit cost
 - \$0 application fee (Tire fees pay for program)
- Transfer stations and other processing sites are subject to a simpler “approval process” before they can be established
- Go to www.ndep.nv.gov/bwm/swpermit.htm

Facilities can be large and complex...



Rawhide Landfill in Mineral County (old mine site)

> 20 tons per day = Class I Landfill

or smaller facilities



< 20 tons per day = Class II Landfill

Solid Waste Compliance and Enforcement

- Inspect solid waste management facilities
 - Landfills
 - Transfer Stations
 - Public Waste Storage Bins
 - Compost Facilities
- Issue Class III permit waivers
- Issue Tire Hauler registrations
- Respond to solid waste complaints

Inspection goal...quarterly visits



Class I Landfills (>20 tons/day)...

to Transfer Stations (<72 hours removal)



Recycling Program

- Public information and education about solid waste and recycling

Recycling Hotline 1-800-597-5865

- Technical assistance on waste reduction and recycling
- Review/approve municipal recycling programs
- Report to legislature on the status of recycling programs every two years

Recycling Program

- More info at: www.nevadarecycles.gov



Other Solid Waste Responsibilities

- Periodic review health district programs (Washoe & Clark)
- Review/approve solid waste management plans for each municipal government
 - 17 municipalities statewide
 - review services in their jurisdictions
- Maintain solid waste database – solid waste reports from permitted facilities

Status of Solid Waste Facilities

- Solid waste facilities operating in Nevada

Landfills – 109

Compost Plants – 6

Transfer Stations – 13

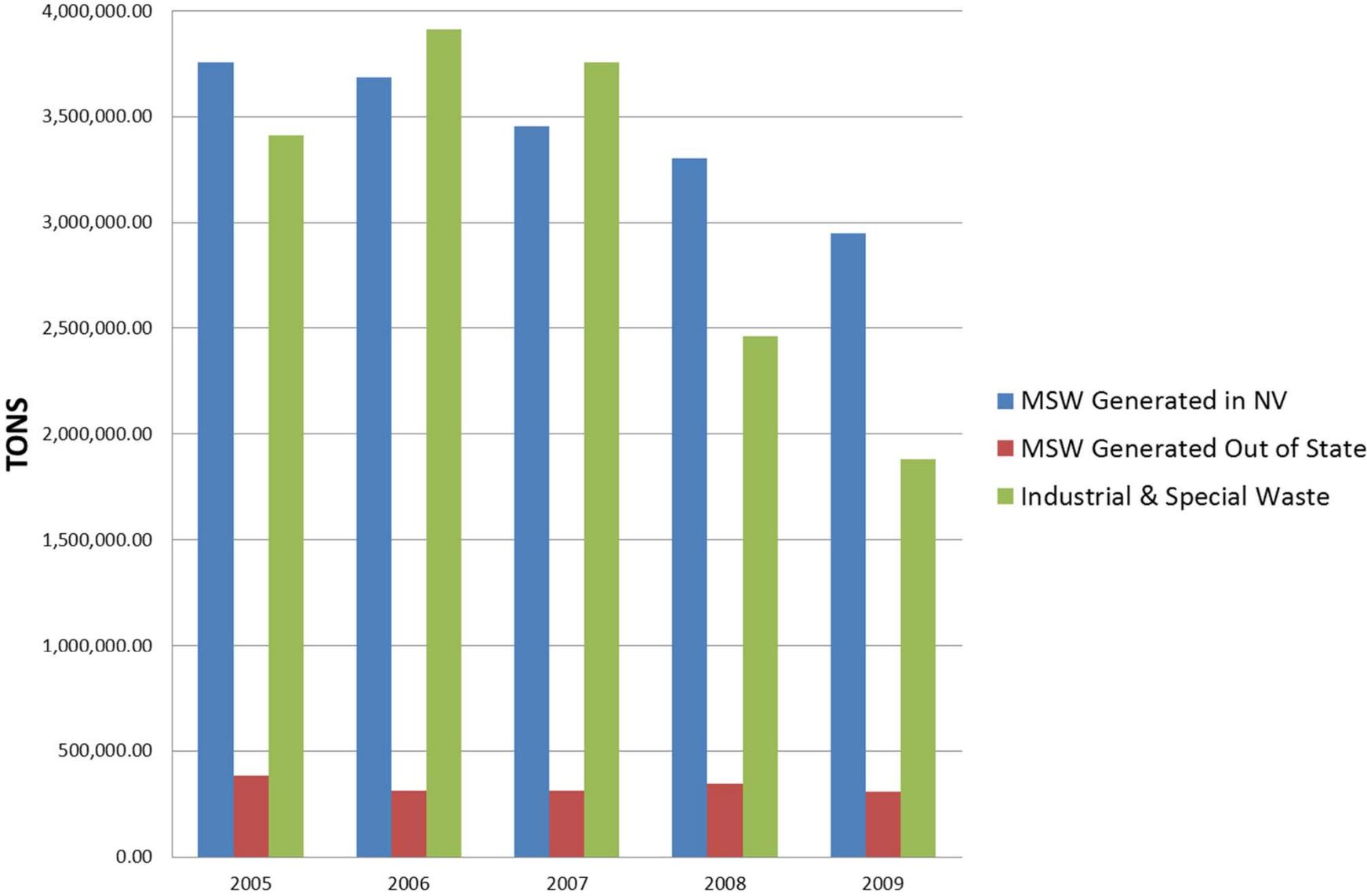
Public Waste Bins – 41

Salvage Yard - 1

Recycling Facility – 6

Waste Tire Facilities – 2

Solid Waste Deposited in Nevada 2005 - 2009



Nevada Waste Trends

- Solid waste disposal:
 - peaked at ~ 8 million tons in 2006
 - decreased to ~ 6 million tons in 2008
- Factors affecting decrease in solid waste:
 - less population growth
 - diversion increase or effective
 - waste reduction, reuse and recycling

Questions???

Bureau of Waste Management

901 South Stewart Street, Suite 4001

Carson City, Nevada 89701-5249

Phone (775) 687-9462

Fax (775) 687-5856

www.ndep.nv.gov/bwm/bwm01.htm

Solid Waste Program Contact Info

Program Management -

Art Gravenstein at (775) 687-9467 or egravenstein@ndep.nv.gov

Planning -

Valerie Kauffman at (775) 687-9469 or vkauffman@ndep.nv.gov

Permitting –

Jon Taylor at (775) 687-9477 or jtaylor@ndep.nv.gov

Compliance & Enforcement –

Bill Micklish at (775) 687-9472 or bmicklish@ndep.nv.gov

Recycling -

Chester Sergent at (775) 687- 9466 or csergent@ndep.nv.gov