

Bureau of Waste Management Solid Waste Branch



Nevada Division of Environmental Protection

September 23, 2009

Overview of Solid Waste Program

We'll talk about...

- Program Goals
- Regulatory Authority
- Program Activities
 - Permitting
 - Compliance & Enforcement
 - Recycling
- Status of Solid Waste in Nevada

Bureau of Waste Management

Our mission:

- to protect human health, public safety and the environment
 - to conserve natural resources by ensuring safe management of solid and hazardous waste
 - to promote waste reduction, reuse, and recycling
- Two branches comprise the BWM:
 - Solid Waste Branch (includes recycling)
 - Hazardous Waste Branch

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?

- Part of the Code of Federal Regulations (CFR)
- 50 Titles (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)

Resource Conservation Recovery Act

- Federal solid and hazardous waste disposal law
- Arranged in Subtitles A through J:
 - A – General Provisions...
 - C – Hazardous Waste Management...
 - D – State or Regional Solid Waste Plans...
 - I – Regulation of Underground Tanks...
- Read history at →
www.epa.gov/waste/laws-regs/rcrahhistory.htm

Solid Waste Requirements in Nevada

- 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

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

ADDITIONALLY:

NDEP has limited responsibilities to review solid waste programs of the health districts

Program Objectives



Solid Waste Permitting

- Permits are required:
 - solid waste disposal facility, incinerators, waste tire 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 (former mining sites)
- 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

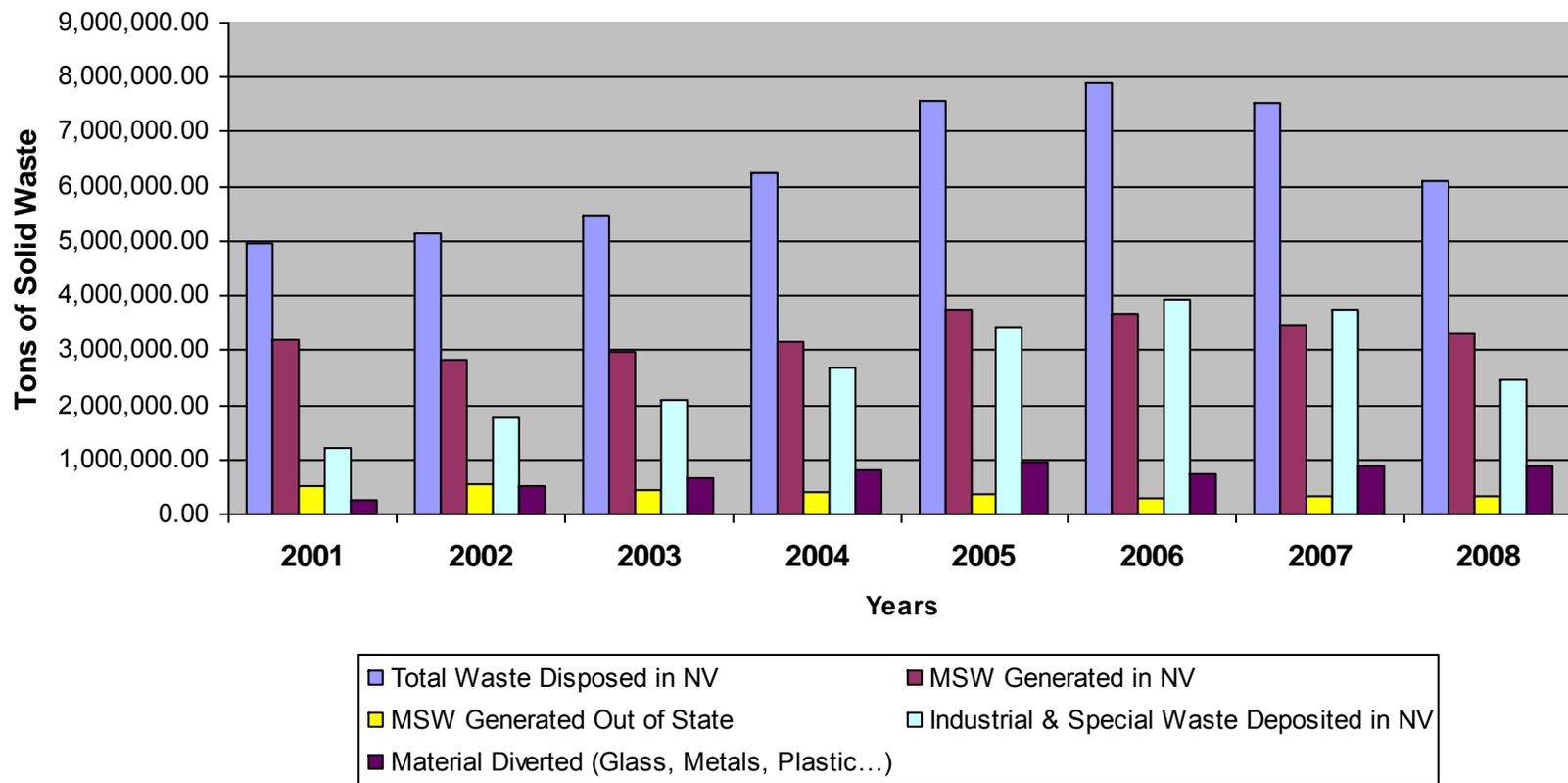
- Review health district programs periodically (Washoe & Clark)
- Review/approve solid waste management plans for each municipal government
 - 17 municipalities statewide
 - coordinate services in their jurisdictions
- Maintain solid waste database – solid waste reports from permitted facilities

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 Disposal in Nevada

Waste Trends in Nevada for 2001-2008



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???

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