

Westinghouse Electric Co., Western Zirconium Plant Site Report Information

Address: 10,000 West 900 South, Ogden, Utah 84404

Lot area: 4,451,542 m², Building area: 30,658 m², Green ratio: 99%

Establishment: 1979, Employees: 442, Total Persons Onsite: 516

Major products: Zirconium Nuclear Fuel Tubing, Coil, Bar, and Sheets

ISO 14001 certified: Certified December 2010



Site Introduction

Westinghouse Electric Company's Western Zirconium Plant is located in northern Utah approximately 15 miles west of Ogden. The plant manufactures a variety of zirconium metal products for use in commercial nuclear fuel applications. More than 3 million pounds of these products are produced annually at the facility. Operations include chemical separation followed by chlorination, metal reduction, ingot production, forging, extrusion, and finish fabrication processing.



Kent Bradford
Manager
Environmental, Health and Safety

Major environmental activities in 2010

ISO 14001 Environmental Management System

Achieved certification December 2010.

Air Emissions

Reduced fugitive ammonia emissions through the installation of an ammonia scrubber. Reduced Title V permit deviations through engineering and procedural upgrades.

Surface Impoundment Improvements

A large project is underway to improve the containment of wastewater held in surface impoundments for evaporation.

Oil Spill Prevention

Installed new vacuum pumps to reduce oil use and the generation of oil waste.

Landfill Use Reduction

Established single-stream recycling program to reduce the amount of waste sent to the landfill.

Development of products and environmental technologies



Environmental communication

News related to company environmental activities and community events are published through the bi-weekly "WZ Review" newsletter, which is circulated to employees. The newsletter also provides employees with suggested sustainability practices that can be used at home and work.



Westinghouse sponsored the 2010 Earth Day at the Ogden Nature Center, which hosts Utah's largest Earth Day event.

Westinghouse employees and more than 2,000 members of the community visit the facility during the event to learn how they can reduce, reuse and recycle to lessen their impact on the Earth.

Western Zirconium Environmental Policy

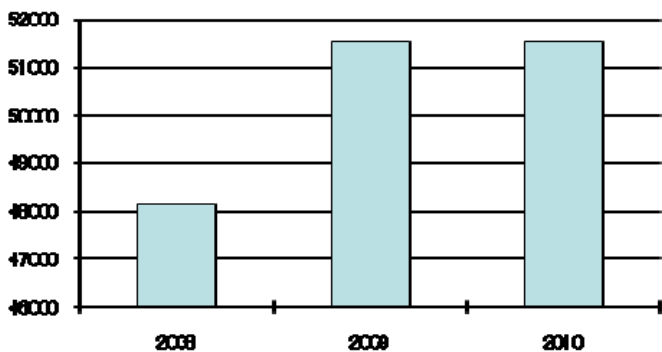
It is our policy to design, produce, market and distribute our products and services and to conduct our operations in an environmentally sound, socially responsible manner. Our guiding vision is to achieve and maintain excellence in environmental management through continual improvement, to minimize resource consumption, and support energy security and environmental sustainability on a global level, so that Westinghouse is recognized as a responsible citizen of the world.

To carry out our vision, we will:

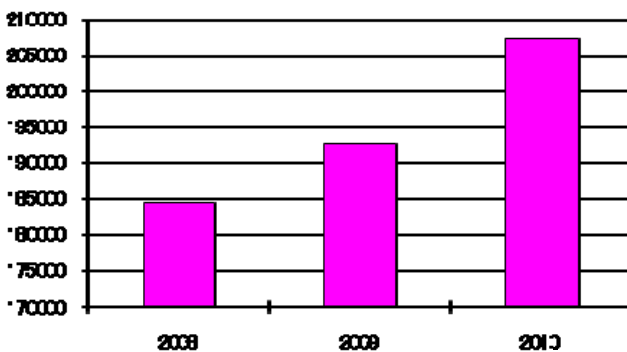
- comply with all applicable environmental legal requirements, industry guidelines we have endorsed and our own standards concerning the environment
- assess the environmental aspects of our business activities, products and services, and establish and maintain meaningful environmental objectives and targets with respect to the reduction of environmental impacts and prevention of pollution
- incorporate sound environmental practices in our business decisions
- engage employees in environmental awareness and improvement activities
- communicate our environmental activities to stakeholders with integrity and transparency

Environmental load data

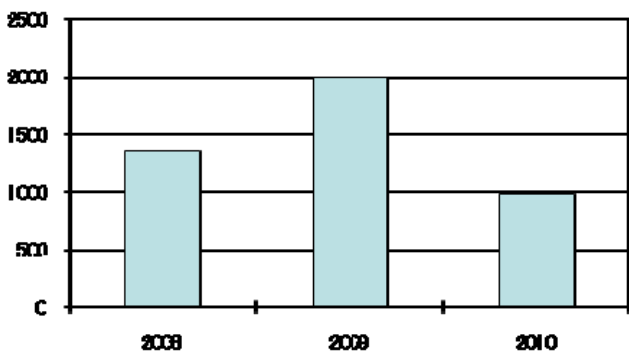
Electricity usage (unit: MKWH)



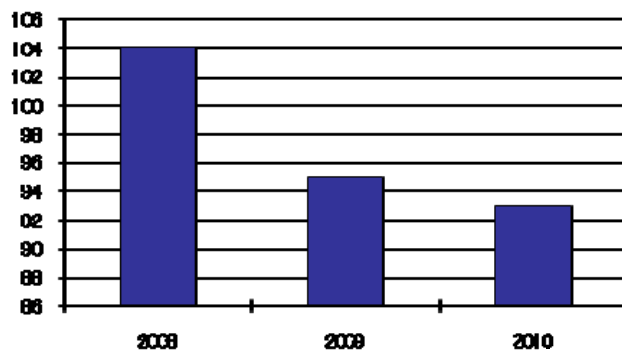
Natural Gas Usage (unit: MM BTU.)



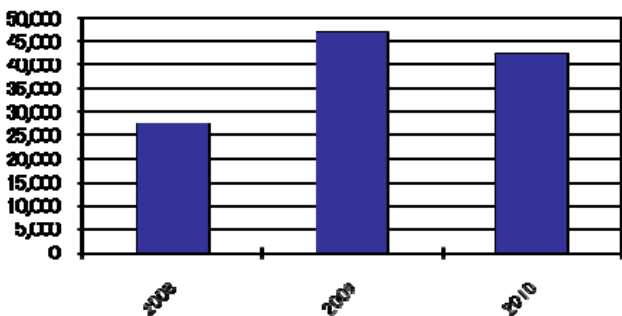
Total waste to Landfill (unit: tons)



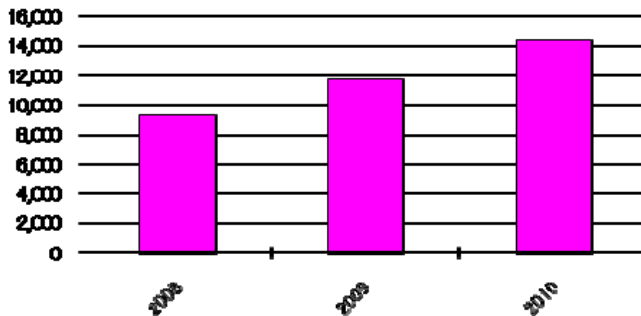
Water Usage (unit: million gallons)



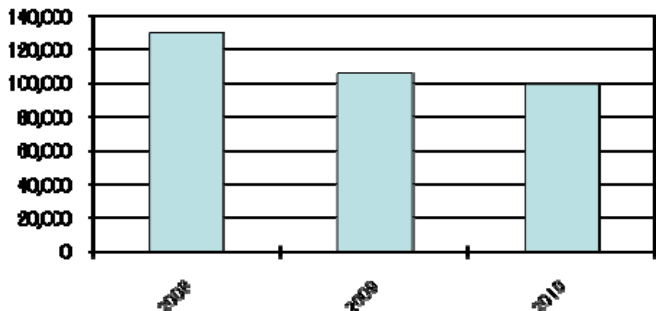
Hazardous Waste (unit: pounds)



Radioactive Waste (unit: cuft)



Oil Waste (unit: gallons)



Compliance management

Facility Industrial Wastewater Treatment Discharge. Discharge is to on-site evaporation impoundments.

	Regulation value	Self-control value	Actual measurement	Measurement frequency
Hydrogen ion concentration (pH)	NA	NA	NA	NA
TSS	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	NA
Chromium	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA
Nickel	NA	NA	NA	NA
Fluoride	NA.	NA	NA	NA
Ammonia	NA	NA	NA	NA

Other measurement results (Sewage Water Law: Major results)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
Hydrogen ion concentration (pH)	NA	NA	NA	NA
BOD (mg/l)	NA	NA	NA	NA
Total Residual Chlorine (mg/l)	NA	NA	NA	NA
SS (mg/l)	NA	NA	NA	NA

Environmental accidents, administrative advices and complaints

	State
Environmental accident	A total of 7 Title V Air Permit Deviations have occurred during Fiscal 10.
Environmental problem around the factory and in the local area	Surface wastewater impoundments leakage has impacted surface and ground water. Multiple solid waste management units are identified at the facility for corrective action.
Administrative advice or direction	Correction action required under the Resource Conservation and Recovery Act and surface impoundment leakage Notice of Violation.
Complaint from neighboring residents	None