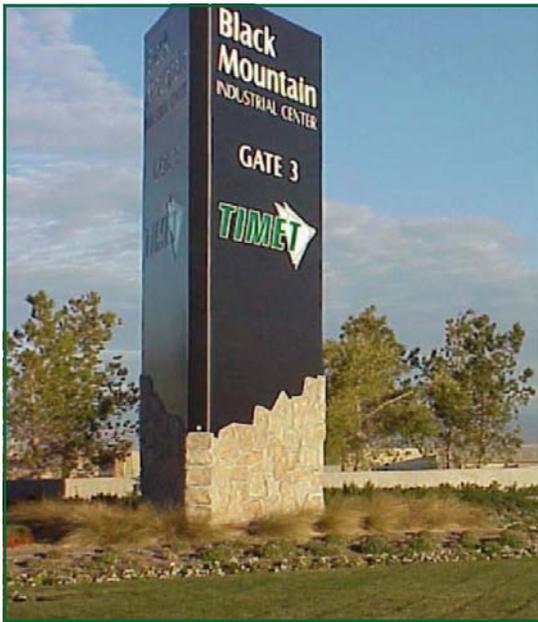
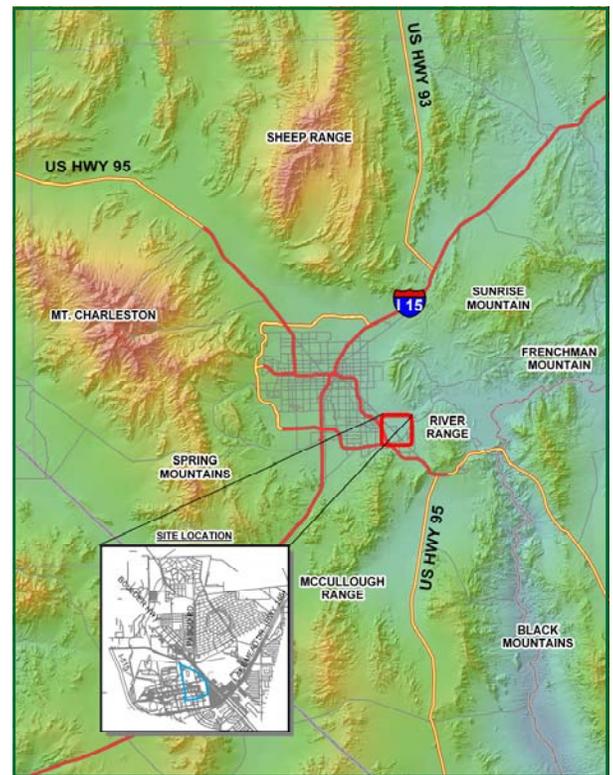




## TITANIUM METALS CORPORATION



Titanium Metals Corporation (TIMET) is one of the world's largest producers of high quality titanium products for aerospace, industrial and consumer applications. Corporate activities span every phase of titanium manufacture and sales, from converting rutile ore into titanium sponge, to producing ingot, slab, and mill products.

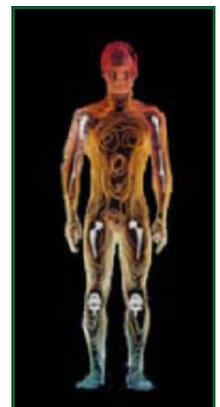


TIMET is head-quartered in Dallas, Texas and has research, manufacturing, and distribution facilities worldwide.



### Titanium Production

TIMET is a recognized leader in titanium quality and technology producing 8,600 metric tons of titanium sponge per year. Titanium's unique combination of strength, weight, and corrosion resistance makes it ideal for critical applications. Because titanium is nearly half the weight of steel, the aerospace industry depends heavily upon titanium as a major component in engines, airframes, and landing gear. Titanium is also specified in hundreds of applications such as high-tech architectural material, deep-sea drilling operations, power generation, chemical processing, pollution control, sporting goods, medical instruments, and medical implants.



## Project Timeline

### **1983**

Groundwater Well Installation

### **1989**

EPA Screening

### **1991**

Environmental Impact Study

### **1993**

Environmental Conditions Assessment

### **1997**

Site Investigation

### **1999**

Additional Site Investigation and Interim Remedial Actions

### **2003**

Project Planning and scoping

### **2004**

Preliminary Conceptual Site Model

Interim Removal Actions for waste solids

### **2005**

Water Conservation Facility becomes Active

Hydrogeologic Characterization

Transfer of the Pabco Ponds to Basic Remediation Company

### **2006**

Development of representative background concentration for metals and radionuclides

Standardization of quality control and operating procedures

No Further Action Determination for Lake Mead Crossing

### **2007**

Conceptual Site Model

Community Involvement Plan

No Further Action Determination for footprint of Sort and Blend Building

Groundwater Monitoring Sampling and Analysis Plan

### **2008**

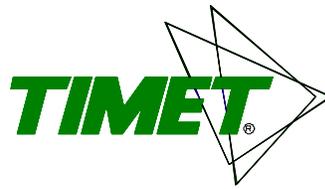
Vertical Delineation Sampling and Analysis Plan

Installation of Four Continuous Multi-Channel Tubing Monitoring Wells

Remedial Alternative Study for First Water-Bearing Zone

Draft Record of Decision for 1st WBZ

## TITANIUM METALS CORPORATION



## Environmental Conservation and Restoration

TIMET continually strives to improve its environmental performance. The Henderson facility has made significant changes to its operations, including:

- Reducing total air emissions by 81% since 2002
- Reduced dependence on hazardous material by 75% since 2002
- Installation of a Water Conservation Facility in 2005 that treats the Plant effluent and produces water that meets EPA's Safe Drinking Water standards. At the same time, plant-wide water consumption was reduced by 18 million gallons
- Minimized reliance on evaporation ponds in 2005 which allowed for remediation of the Pabco pond site east of Boulder highway

## Environmental Investigation

Groundwater monitoring data indicate some impact to groundwater at the north end of the Plant Site. An extensive drilling program was undertaken to investigate potential source areas and evaluate subsurface conditions. Installation of monitoring wells screened between 20 to 150 feet below ground surface revealed impacted groundwater throughout the first water-bearing zone. Groundwater impacts are believed to originate from non-TIMET sources located to the west of the facility as well as from historic practices. On-site impacts to groundwater were found to be limited to the first water-bearing zone (no deeper than 150 feet below ground surface).

## Commitment to Safety

TIMET is committed to protecting the health and safety of employees as well as fellow community members. We believe prevention and training are the keys to environmental protection and safety. We diligently monitor our operations and maintain our emergency response capabilities. Our emergency responders undergo frequent training, and we regularly review our emergency response program to make sure our equipment and plans are up-to-date.



## Remedial Alternative Study for First Water-Bearing Zone



Nine alternatives were evaluated to reduce the potential impact of chemicals in the first water-bearing zone. These alternatives were evaluated based upon criteria approved by the EPA. Details on each alternative and the screening process can be found in the "Remedial Alternative Analysis for the First Water-Bearing Zone" report. The study determined that the most appropriate remedy would be to prevent impacted groundwater from leaving the property boundaries by installation of a slurry wall.

Impacted groundwater located within the property boundaries will be extracted from the subsurface using a network of wells to pump the groundwater to the surface. Extracted groundwater will then be conveyed via pipelines connected to the on-site Water Conservation Facility. Chemicals in the groundwater will be removed to below EPA's Safe Drinking Water Standards and either discharged to the Las Vegas Wash or recycled in the plant. NDEP has determined that this remedy protects human health and the environment.



## Upcoming Activities

- Remedial design of groundwater containment and extraction system
- Continue evaluation of depth of chemical movement into subsurface soils
- Forensic evaluation of groundwater chemistry to differentiate sourcing of groundwater plumes (TIMET versus non-TIMET)
- Develop source-specific corrective action plans
- Continue regular monitoring of groundwater conditions
- Collaborate with industrial neighbors of the BMI Industrial Complex regarding issues of regional interest

NDEP oversees all aspects of the environmental work at the facility. Additional information can be obtained from Brian Rakvica (702-486-2870 ext. 247) at the NDEP. The company welcomes community input in this project and recognizes the need to respond to community concerns. Previous reports related to the environmental work at the facility can be found at <http://www.timet.com/html/Environmental/index.asp>. If you have any questions, please feel free to contact Craig Wilkinson, TIMET Western Regional Manager at 702-566-4453.