

FILED<sup>3</sup>

NOV 21 2007

## Gregory G. Haug, P.E.

Missouri Public  
Service Commission

### Professional Experience

- With over 31 years of experience, Greg provides hazardous waste management, engineering design, project management, training and owner's representative services. Greg has both industrial and consulting experience, as well as project management and corporate division level management experience. Following are highlights of this experience.

### Education

- B.S., Civil Engineering,  
University of Missouri-Rolla, 1976
- Environmental Engineering –  
Master's Program  
University of Missouri-Columbia

### Affiliations

- Completed OSHA 40-hour Haz-Mat Training
- Conducted RCRA 24-hour hazardous waste training
- Certified energy specialist, North Carolina Division of Energy
- Coauthor: Energy Conservation and Water and Wastewater Treatment Facilities, North Carolina Division of Energy

### Registrations

- Professional engineer: Missouri, Illinois and Kansas

### Design Experience

- Designed hazardous waste treatment and storage facilities in western Missouri
- Designed hazardous waste treatment, storage and energy reuse facilities in southeast Kansas
- Designed hazardous waste treatment, storage and energy reuse facilities in northeast Missouri
- Designed hazardous waste treatment and storage facilities in Detroit, Michigan
- Designed municipal wastewater treatment plants, ranging in size from 1 mgd to 10 mgd
- Designed industrial wastewater treatment facilities for metal and organic wastewaters
- Designed stormwater control and treatment systems for industrial facilities in Missouri
- Designed process modifications for an industrial home products manufacturer
- Designed process wastewater facilities for a wood manufacturing facility

### Project Management Experience

- Managed construction and start up of municipal wastewater treatment facilities
- Managed construction and start up of hazardous waste treatment facility in northeast Missouri
- Managed construction and start up of hazardous waste treatment facilities in southeast Kansas
- Managed numerous projects adding equipment and facilities to existing industrial plants

Petitioners Exhibit No. 7  
Case No(s). WC-2007-0303  
Date 10-29-07 Rptr per

PETITIONER'S  
EXHIBIT

7

## **Planning Experience**

- Conceptual planning and preliminary design for a gasification facility in east central Illinois
- Conceptual design for a waste to energy facility in northeast Missouri
- Conceptual design for a beneficial reuse project to create artificial soil in northeast Missouri
- Conceptual design and preliminary plans for waste reuse as a fuel at a cement plant

## **Waste Cleanup Experience**

- Managed cleanup of impoundments at an army ammunitions facility in western Missouri
- Managed cleanup of impoundments at Luke Air Force Base, Arizona
- Managed cleanup of lead-contaminated soil at a manufacturing facility in St. Louis
- Managed cleanup of contaminated soil and tanks at a manufacturing facility in East St. Louis, Illinois
- Managed cleanup of petroleum-contaminated soils in central Missouri

## **Regulatory Experience**

- Preparation of Air permits including MACT, PSD, Title V, and Construction
- Preparation of NPDES Water permits including treatment plants and stormwater systems
- Preparation of Hazardous Waste permits including storage, treatment and energy reuse facilities
- Preparation of Solid Waste permits including landfills, processing plants and medical waste treatment
- Preparation of Land Reclamation permits including innovative beneficial use and wetlands areas
- Preparation of federal and state reports including SARA, EIQ, Biennial, TRI and compliance
- Conducted environmental compliance plant audits covering all environmental areas
- Conducted environmental audits including Phase I, II and due diligence.

## **Management Experience**

- Managed a professional engineering staff of thirty in North Carolina
- Managed a professional engineering staff of fifteen in central Missouri
- Managed the environmental department for a cement manufacturer in northeast Missouri
- Managed the environmental division including a staff of seventy-five at a manufacturing facility in northeast Missouri

## **Training Experience**

- Provided RCRA annual refresher training at cement plants in Missouri and Kansas
- Provided Management level training for environmental issues including MACT, RCRA, NPDES, etc.

## **Project Experience**

- Owner's engineer managing construction and start up of hazardous waste treatment facility in northeast Missouri. A complete thermal treatment system including storage facilities, state of the art thermal treatment system, truck and rail unloading facilities and all infrastructure facilities were constructed on schedule and within a budget of \$8,000,000.
- Project Manager for the owner to design, permit and construct a wastewater treatment plant for an industrial meat packing plant. The plant received pork bellies and processed the pork into packaged bacon.
- Managed numerous plant process improvement projects including building construction, roadway and storm sewer projects, electrical and control systems, piping, tank storage and process equipment installations. Projects ranged in cost from \$50,000 to \$1,800,000.
- Owner's representative for construction and start up of a \$5,000,000 municipal wastewater treatment facility in southern Missouri. Construction was fast tracked to meet a start-up deadline. Start-up was timely and successful.