
Joe Radniecki, PE

Project Manager

**EDUCATION**

Bachelor of Science in Mechanical Engineering, University of Minnesota, 1990

CERTIFICATION

- Process Safety Management Hazard Analysis (HAZOP)

PROFESSIONAL COURSES

- ASME B31.1 Power Piping Design
- ASME B31.3 Chemical Piping Design

EXPERIENCE

Prior to starting at SPA in 2015, Joe Radniecki had been a mechanical engineer and project manager at a large industrial manufacturing facility (1990-2008) and industrial consulting firm.

Mr. Radniecki has extensive experience in project management and design for the full size range of projects and has skills extending to other engineering positions such as lockout coordination; safety analysis; P&ID & control system development; equipment selection and specification; system, checkout, startup and troubleshooting; budgeting, cost control & value engineering; as well as contractor management.

REPRESENTATIVE EXPERIENCE**AIR HANDLING****Kiln Pre-Heat Burner Replacements, United States Steel Corp:**

Responsible for the design and detailed mechanical and structural drawings and specifications for natural gas fired burner and air systems to replace the existing components and improve emissions, efficiency and throughput. Mr. Radniecki served as project manager and lead mechanical engineer.

Dust Collection System Installations, United States Steel Corp:

Complete mechanical and structural design and specifications for several dust collection systems to improve fugitive emissions and plant environmental conditions. Mr. Radniecki served as project manager and lead mechanical engineer.

MATERIAL HANDLING**Woodroom Infeed & Debarking System, Sappi Fine Paper:**

Mr. Radniecki served as project manager responsible for replacement of woodroom infeed wood handling, deicing conveyor, and bark removal systems as part of a large mill conversion project. Responsibilities included installation of a large electric pedestal mounted wood handling crane and (3) rotary debarkers as well as significant modifications to infeed conveying and deicing systems.

Chipper and Screening System Upgrade, Sappi Fine Paper:

Team was responsible for the installation and startup of a new 5000 tpd chipping and screening line in the company's wood processing facility. Mr. Radniecki served as lead mechanical engineer as well as outage and startup coordinator.

Lime Kiln & Reausticizing Plant Installation, Potlatch Corp:

Team was responsible for the specification, installation, startup, and optimization of a new lime kiln and liquor reconstituting plant as part of a large paper mill expansion project. Mr. Radniecki served as team leader and project manager.

Oriented Strand Board Plant Expansion, Potlatch Corp:

Team was responsible for the installation and startup of a new oriented strand board plant expansion to improve throughput and efficiency and make the plant viable long term in the industry. Mr. Radniecki served as a team member.

Pulverized Lime Stone (PLS) Plant, Graymont:

Lead mechanical engineer and project manager responsible for the design of a new PLS system. Responsibilities included P&ID development, integration of the new systems and buildings into existing plant infrastructure, specifications and bidding of equipment, as well as overall coordination of structural, electrical, and programming design.

PUMP & PIPING SYSTEMS**Recausticizing Plant Capacity Increase, Sappi Fine Paper:**

Mr. Radniecki served as project manager responsible for implementing upgrades necessary to increase the plant's liquor filtering and slaking capacity as part of a large mill conversion. Project included installation of new green and white liquor filtering equipment as well as additional causticizing equipment.

Paper Machine Top Wire Former Installation, Potlatch Corp:

Team was responsible for the equipment specification and system installation, startup, and optimization of a new top wire former and associated screening, stock prep, and water conditioning systems improving the machine's quality, production, and long term liability. Mr. Radniecki served as lead mechanical and project manager.

Great Ships Initiative Land-Based Research, Development & Evaluation Facility; NEWM Institute:

Initial mechanical design as well as ongoing operations and maintenance at the facility that evaluates performance of systems intended to prevent the spread of invasive species via ships' ballast water systems. Mr. Radniecki has been responsible for installation of numerous site piping, pump and storage systems developed to enhance the site's testing capabilities as well as integration of proposed treatment systems into facility's mechanical systems.

Bleach Plant Conversion, Potlatch Corp:

Project required extensive piping and system redesign that eliminated one of the five stages in the mill's softwood bleach plant - resulting in increased efficiency and decreased maintenance costs. Mr. Radniecki served as lead mechanical engineer and project manager.

Waste Gas Incinerator, Potlatch Corp:

Team was responsible for the specification and installation and startup of a large waste gas incineration system, reducing the plant's sulfur emissions and significantly lowering odors in the surrounding community. Mr. Radniecki served as team leader and project manager.

BUILDING MECHANICAL & HVAC**Office & Field Test Lab Building, NEWM Institute:**

Responsible for design and installation of an office and laboratory test facility including HVAC and other mechanical systems. System design in the testing area included provisions to control temperature, humidity, oxygen and ambient light sources to duplicate conditions found in the natural environment of the organisms being cultured in the lab.

Office Building HVAC System Design, C&C Holdings:

Heating, cooling and ventilation system design for a new (2) story 9,000 sq ft office building in Superior, Wisconsin. Mr. Radniecki was responsible for completing system heating, cooling, and ventilation load calculations; equipment specification; ductwork and piping system design, start up and commissioning.

Office Renovation HVAC System Design, Duluth Seaway Port Authority:

HVAC system design for an 8,000 square foot office renovation in Duluth, Minnesota. Mr. Radniecki was responsible for completing system heating, cooling, and ventilation air load calculations; ductwork and piping system design and specifications.

GENERAL

Paper Machine Roof Collapse, Potlatch Corporation:

Team was responsible for accessing and replacing damaged components caused by a catastrophic roof collapse. Project was completed without injury and 13 days earlier than budgeted by plant. Mr. Radniecki served as lead mechanical engineer.

OSHA Process Safety Management (PSM) Program Implementation, Potlatch Corporation:

Team was responsible for design and implementation of new plant equipment and policies to meet OSHA's newly initiated PSM program including mill wide training and document control. Mr. Radniecki served as team member and was responsible for development and implementation of the program.

Graymont Overhead Bridge Crane Installation:

Prepared mechanical detailed drawings and specifications for a new overhead bridge crane system to replace the existing trolley beam to give the plant more reliability and flexibility with rebuilding critical equipment. Mr. Radniecki served as project manager and lead mechanical engineer, and coordinated all structural upgrades to the building.