

PRODUCTS AT WORK

HORIZONTAL WET SCRUBBER SYSTEM

Unique Overhead Push Air System Saves \$ While Capturing Volatile Acid Mists

Background

Talley Metals Tech., Inc. needed to expand its steel coil production capacity. Two Duall systems were already in use ventilating existing finishing lines. After years of quality performance from these systems, Duall was again contacted and asked to provide the ventilation for the expansion project.

Results

The process required two new 65,000 CFM fume exhaust systems. The first system utilized a Duall F103-247 scrubber to treat the Nitric/Hydrofluoric acid tank emissions. The second system used a Duall ME-107 mist eliminator, to capture Sulfuric Acid mists from the acid spray, and bar tank lines. Duall recommended incorporation of the existing ventilation system into the expansion project in order to reduce total capital costs.

Duall also reduced costs by designing a unique OVERHEAD PUSH AIR system. The push air system, which travels overhead by crane, directs fumes from the lifted coil back down to the capture hoods, decreasing the total amount of exhaust air and saving money by reducing both equipment and operating costs.

Duall's system design and years of experience helped Talley Metals to reduce the number of required systems from 3 to 2 which saved them over \$100,000.

Present Status

The systems have operated as specified since October 1995.



Application: Nitric/Hydrofluoric and Sulfuric Acid Tank Emissions

End User: Talley Metals Tech., Inc.

Reference: 4465-95

**F103 Wet Scrubber and
ME-107 Dry Mist Eliminator
Gray Solid PUC Construction**



Duall Division

1550 Industrial Drive, Owosso, MI 48867-9799

TEL (989) 725-8184 • FAX (989) 725-8188

E-mail: dualldiv@met-pro.com • Web Site: www.met-pro.com/duall.html