



CASE STUDY: CHEMICAL SELECTION & MANAGEMENT PROGRAM

AMGAS Drives Efficiency in H₂S Scrubbing Through Smarter Chemical Management

AMGAS has redefined H₂S scrubber performance through site-specific chemical selection combined with proactive lifecycle chemical management. Rather than relying on a one-size-fits-all approach, AMGAS evaluates process conditions and available field data to recommend the most suitable scrubbing chemistry for each customer site, ensuring optimal H₂S uptake, extended chemical life, and consistent system performance. Equally important is how the chemical is managed in the field, with structured monitoring programs, chemical checks, and consumption estimates providing visibility into actual performance and remaining capacity. This enables changeouts to be performed based on condition rather than fixed schedules.

The Right Chemical Managed the Right Way for Better Results

3X
Longer Between
Chemical
Changeouts



Changeouts every 6 months



Full chemical utilization



Lower disposal & operating costs



Improved reliability & safety

At a Saskatchewan site previously operating on a standard 8-week changeout cycle with a conventional scrubbing chemical, AMGAS recommended a switch to Absorbital 320Max. This chemical reacts rapidly with H₂S, performs effectively across a range of temperatures, and does not form precipitates with H₂S. Following implementation, several locations extended run times from 8 weeks to 6 months, resulting in significant cost savings and improved operational efficiency.

By combining proactive monitoring with real-time data sharing, the program not only reduces unnecessary maintenance, operating costs, and chemical handling events, but also improves safety and system reliability. It further helps prevent issues such as plugged scrubbers and solids buildup, which can occur when chemical is overspent or left in service beyond its effective life, ensuring consistently optimized performance across all sites.