

## Superior Gas Sweetening Performance Provided by MC MX 8-1183 Batch Tower Run Time Extended 28% and Flooded Tower Rates Cut 40%

### BACKGROUND

A large chemical company was supplying chemical product to treat sour gas. The chemical company had become complacent supplying the chemical and managing the treatment program. The chemical usage rates were higher than the operator felt could be achieved. Multi-Chem was asked to review the system and determine if cost savings could come from optimization of the chemical program.

### ISSUES

Multi-Chem's sales and technical teams were asked to look at several different scavenging systems from flooded tower to batch towers and recommend a more cost effective gas sweetening program. The average gas flow fluctuated between 70-130 e3m3 at 800-1100 ppm H2S in the inlet gas.

### ANALYSIS

The local Multi-Chem sales rep and technical specialist conducted an on-site technical survey. MC MX 8-1183 was recommended, along with service agreements to ensure constant optimization of the sweetening systems. The MX 8-1183 was priced competitively, producing a more cost effective proposed treatment rate. Multi-Chem conducted a field trial on a batch tower to prove the effectiveness of MX 8-1183.

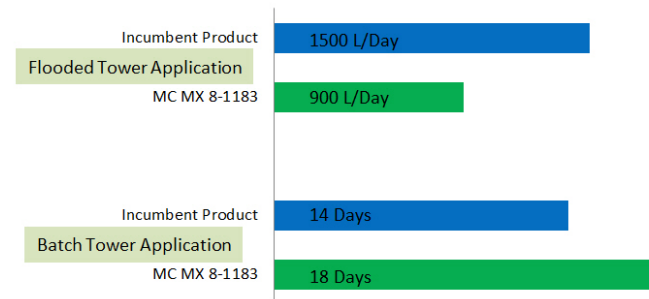
### RESOLUTION

MX 8-1183 run time was 4 days longer than the incumbent product, for a total of 18 days. The test was repeated 3 times in the same tower with the same results each time. Based on the performance of MX 8-1183, the foreman allowed Multi-Chem to test MX 8-1183 in the flooded tower. MX 8-1183 usage was optimized from the incumbent's base rate of 1500 L/day down to 900 L/day based on gas and H2S inlet readings, with the rates adjusted to meet the inlet gas specs.

### DELIVERED VALUE

During the time Multi-Chem has been supplying MX 8-1183, Multi-Chem has provided superior local service, meeting weekly with operations to discuss gas and H2S readings and adjusting MX 8-1183 injection rates accordingly. Multi-Chem's committed service to this operator has been met with a sincere "Thank you for doing your job". The operator has realized significant cost savings and benefited from the expertise Multi-Chem's local team has provided to ensure proper operations of the sweetening systems in their fields.

### MX 8-1183 Provides Superior Performance over Competitive Product



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