

FullSweet multiphase H₂S scavenger treated wet gas production park/central gas treatment facility reducing H₂S levels with 36% less treatment volumes

CHALLENGES

- Safety risk from increased H₂S production in wet gas production park and central gas treatment facility measuring as high as 410 ppm combined
- Target to reduce H₂S levels to below 8 ppm (6.8 mg/Nm³) to meet specifications
- Long ~10km pipeline required frequent cleaning to reduce product accumulation on low spots and maintain proper gas flow pressure
- Accumulation of zinc sulfide reaction products
- Operator was concerned with daily scavenger consumption and related chemical costs

SOLUTION

- [FullSweet HSS1003 multiphase H₂S scavenger](#) was used to treat the facilities and reduce H₂S levels at 141 l/day injection rates
- Separator was later installed at 1.5km distance from the injection point to drain reaction products and reduce cleaning frequency

RESULTS

36%

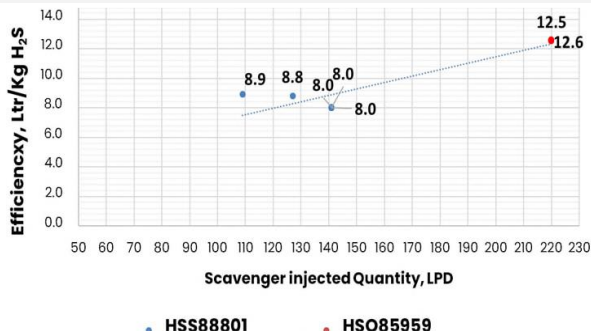
Decrease in chemical injection volume

Reduced

H₂S levels from 410 ppm to 8ppm to meet specifications

Eliminated

Accumulation of zinc sulfide reaction products and H₂S from wet gas environment without scale, solid reaction products, or emulsions



FullSweet HSS1003 cost-effectively reduced H₂S levels in this multiphase pipeline with less treatment volumes