

# Technical Data Sheet

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## 225 Force Main Stripper

In wastewater, there have always been problems with build up in force mains. This build up can be anything from grease to bacterial slime growth and can cause major problems for the system. Air release valves clog and pressure build up will result in decrease of wastewater flow.

Build up in force mains will also increase anaerobic bacteria growth. Anaerobic bacteria live behind the slime layer in force mains and feed on the sulfates in wastewater. This results in the release of the corrosive and harmful gas hydrogen sulfide ( $H_2S$ ).

225 FMS is a super concentrated solution designed to be added directly into the lift station and pumped into the force main during normal operation. 225 FMS strips the walls of the force main immediately leaving behind perfectly cleaned pipes.



### Specifications

- Specific gravity: 12 PPG
- Boiling point: > 266°F
- Freezing point: 49°F



### Application

Feed all at one time. 225 FMS is corrosive. Wear face shield, gloves, and PPE when in use.



### Availability

225 FMS is available in 5 gallon pails, 55 gallon drums, and 330 gallon drums.



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225 FMS

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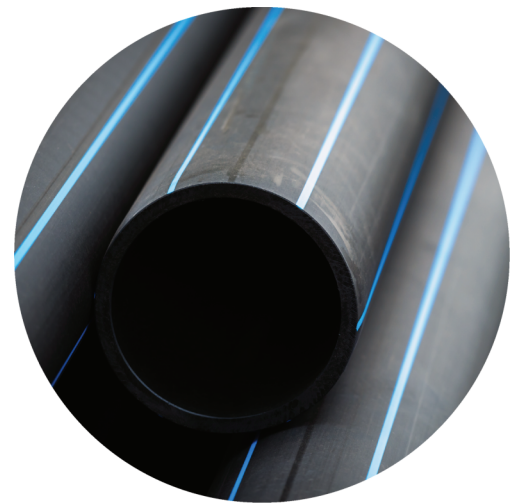
## 225 FMS - Case Study

A civil engineer in Nevada was in charge of a pump station project requiring him to manage the cleaning, or 'stripping', of a sewer force main. In this specific wastewater flow application, the civil engineer was tasked with cleaning a force main with the following known data points:

- 4" HDPE force main
- approximately 5900' long
- force main surface area = 6,175 sq. ft.

The customer was experiencing increasing pump head conditions and diminished wastewater flow rates over time. Also expressed was a concern about the possibility of hydrogen sulfide formation due to long wastewater retention times in the force main from the collection system to the treatment facility.

To continue reading the case study including CITCO Water's solution and results, scan the QR Code below.



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