

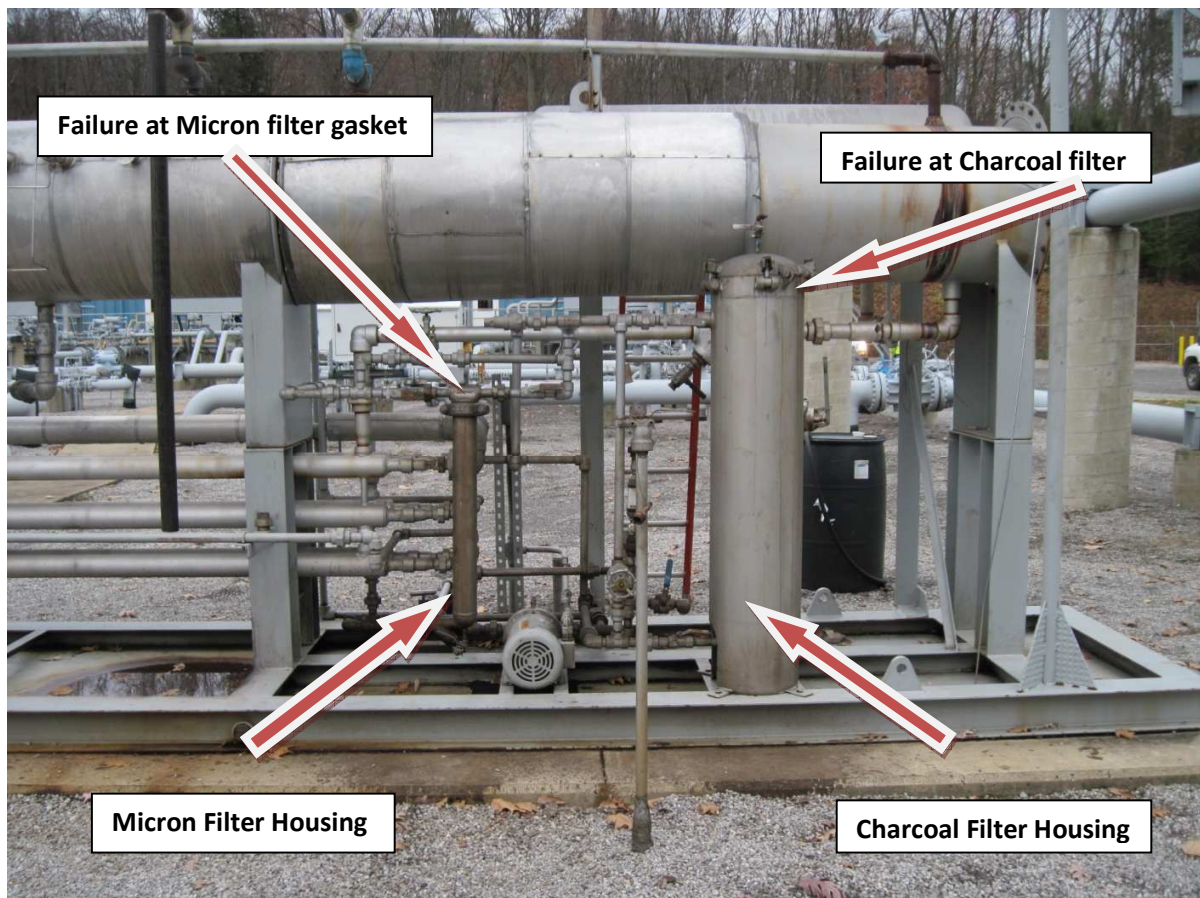
NEAR MISS REPORT

HOT GLYCOL SPRAYED ON DEHY UNIT

The near miss at station was at the micron filter on the reboiler skid between the contact tower dump valve and the charcoal filter. After a higher than normal withdrawal from storage, sediment was stirred up in the contact tower and returned to the reboiler. When this happened the Micron filter failed and allowed the sediment into the charcoal filter plugging it as well.

When the operator arrived he found that the micron filter canister gasket had failed spraying hot glycol (200+ degrees) all over the skid. If someone had been there at the time they could have been burned by the spraying glycol. There is no differential gauge on either side of the filters to compare pressure. Only the micron filter was changed because that was clearly the location of the problem. When the new filter was placed back into service dispatch began to run a test. Pulling dirty gas out of storage caused the gasket to fail on the charcoal filter because they were heavily plugged as well.

These filter failures could have been avoided. The solution is to install gauges on both sides of the filters to detect when the filters need changed. The filters are changed on schedule however the additional withdrawal from storage created an unanticipated amount of debris to clog the filters. Had there been a gauge with a tattle tale needle these failures may have been avoided. They could have shown that the filters were plugging before hand and if not at least shown that there was a high differential across both filters at one time.





Failed unraveled Micron filter.



Plugged Charcoal filter.