

## Schneider Energy Gebauer 1-23 Flow Line Unintended Release

Inspectors Notes: Through end of day 4-24-2024

Thursday 4-18-2024 I received notice there had been an unintended release of produced liquid on the Schneider Energy Gebauer 1-23 / 1A-23. I spoke with the roustabout supervisor and a containment berm downhill of the affected area was implemented.

I arrived at the location on Friday 4-19-2024 to find a surface coverage area comparable to a 10 bbl release. A temporary staging area for the affected soil was built at the tank battery consisting of a small berm over lain with plastic and a surrounding area coverage of gravel to keep the plastic in place. The affected soil near the riser to the north of the battery was then removed in approximately 8" thick layers and that was deposited in the temporary containment.

Once the affected soil had been removed enough that excavation could commence and not promote further contamination, the apparent point of origin was excavated. A vac truck was summoned to pull as much of the remaining liquid in the flow line as possible out. Estimated 1 to 1.5 bbls of liquid was recovered from the line at the riser location.

Continued excavation of the apparent point of origin revealed a buried 3" light wall tee, 3" x close nipple and 3" LP hammer union. The point of failure is the hammer union. No destructive examination has been done at this point, however it is unquestionable based on excavation findings that this was the point of origin. Suspected causes may include thermal cycles and intermittent livestock intervention, as there was no guard surrounding the riser and it is clear that this area is used to pasture livestock.

The project was shut down by inclement weather following the findings above, until 4-23-2024.

The line south of the point of failure was excavated and soil samples were taken with a PID throughout the process. Please see pictures and excel spread sheets for applicable information. After excavating the line approximately 60' south there were two PID tests roughly 10' apart that revealed no hydrocarbon contamination, at which point the excavation to the south was stopped. The point of origin was obviously saturated and no PID sampling was done at that point. The first sample below the pipe was done at approximately 15' to the south which revealed a result of 1200 ppm. At this point vertical sampling began (see results in excel spread sheet) the over all depth impact appears to be approximately 16' / 17'.

Following excavation / sampling results the remainder of the affected surface area cleanup was recommenced.

This information is complete through 4-24-2024.

Inspector:

Steve Robison

API / NACE-AAMP / CPWI

Gebauer 1-23

Unintended release April 2024

Photos W Captions through end of day 4-24-2024



Produced liquid appears to be originating from riser.

Taken from the south most point of the surface  
contamination looking North toward pumping unit



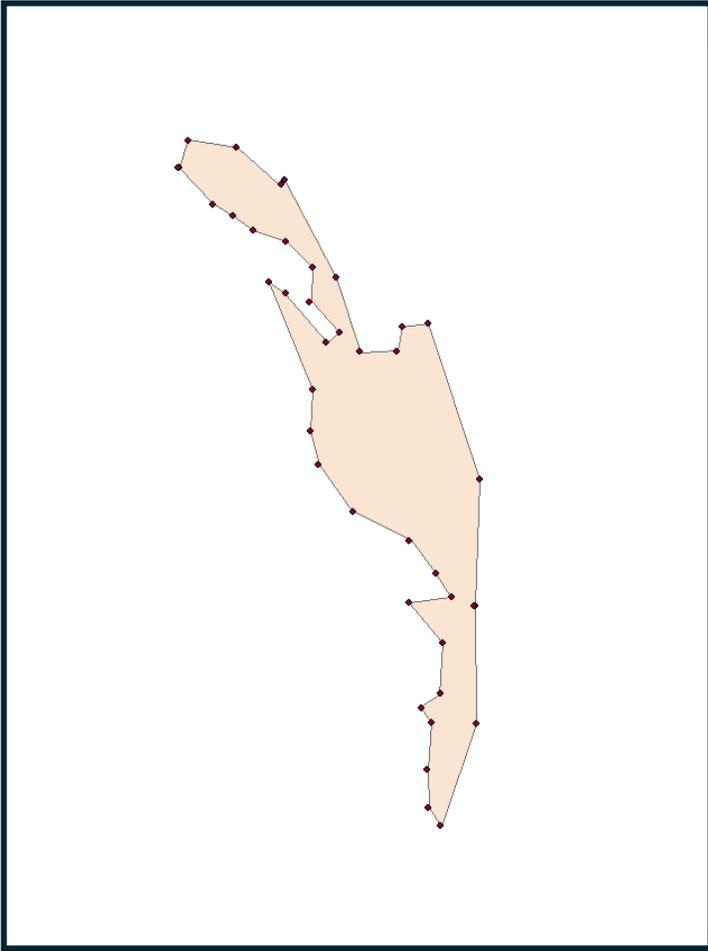
Base of the riser. Shows contraction indicating there is no longer a discharge.



Standing at the north most point looking south toward the tank battery



Berm installed as counter measure to prevent further expansion of surface contamination.



Polygon of surface area showing  
production fluid.  
Length 547.32'  
Area 3796.13 Sq Ft



Failure point



Failure Point



Sample points during excavation to determine extent of leaching.



PID sample point at approximately 52'



PID sample point at approximately 43' / 52'



PID sample point at approximately 59' from failure point



Removal of surface contamination. Lath and flag indicate area perimeter.



Clean topsoil staged to the west (right). Contaminated soil being loaded from the pile to the east (left).

GPS Coordinates Perimeter Produced Liquids Release

Schenider Energy Gebauer 1-23

	<i>Lat Long shown in Decimal Degrees</i>		
Sample Location Name	Latitude	Longitude	PDOP
Produced Liquids Release 1	40.032548	-103.269869	2.12
Produced Liquids Release 2	40.032625	-103.269831	2.17
Produced Liquids Release 3	40.032716	-103.269831	2.4
Produced Liquids Release 4	40.032813	-103.269823	2.09
Produced Liquids Release 5	40.032932	-103.269869	1.66
Produced Liquids Release 6	40.032931	-103.269895	2.06
Produced Liquids Release 7	40.032911	-103.269902	2.06
Produced Liquids Release 8	40.032911	-103.269938	1.6
Produced Liquids Release 9	40.032968	-103.269961	1.64
Produced Liquids Release 10	40.033046	-103.270011	1.64
Produced Liquids Release 11	40.033042	-103.270014	1.61
Produced Liquids Release 12	40.033071	-103.270058	1.62
Produced Liquids Release 13	40.033078	-103.270104	1.62
Produced Liquids Release 14	40.033056	-103.270114	2.01
Produced Liquids Release 15	40.033028	-103.270082	2
Produced Liquids Release 16	40.03302	-103.270063	1.99
Produced Liquids Release 17	40.032998	-103.27001	1.98
Produced Liquids Release 18	40.032978	-103.269985	1.97
Produced Liquids Release 19	40.032952	-103.269988	1.94
Produced Liquids Release 20	40.032928	-103.269958	1.96
Produced Liquids Release 21	40.032921	-103.269972	1.95
Produced Liquids Release 22	40.032959	-103.270012	2.3
Produced Liquids Release 23	40.032969	-103.270029	1.91
Produced Liquids Release 24	40.032885	-103.269987	2.29
Produced Liquids Release 25	40.032852	-103.269991	1.92
Produced Liquids Release 26	40.032828	-103.269985	1.91
Produced Liquids Release 27	40.03279	-103.269948	2.26
Produced Liquids Release 28	40.032766	-103.269894	2.25
Produced Liquids Release 29	40.032741	-103.26987	1.89
Produced Liquids Release 30	40.032724	-103.269853	2.24
Produced Liquids Release 31	40.03272	-103.269895	2.23
Produced Liquids Release 32	40.032688	-103.269864	2.21
Produced Liquids Release 33	40.03265	-103.269868	2.21
Produced Liquids Release 34	40.032639	-103.269887	1.69
Produced Liquids Release 35	40.032627	-103.269876	2.2
Produced Liquids Release 36	40.03259	-103.269883	2.19
Produced Liquids Release 37	40.032561	-103.269883	2.18

