

	SMITH CONSTRUCTION, INC. Safety Management System	Doc No:	SCI-S021
		Initial Issue Date	10/30/2025
		Revision Date:	Initial Version
CRUDE FLARE DRAW		Revision No.	Draft
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Purpose

The purpose of this procedure is to define the requirements for safely and efficiently performing Crude Flare Draw.

Scope

This policy details the Risks, PPE, Equipment, Key Responsibilities, instruction for Procut Draw from the Crude Flare Draw. When performing vacuum truck operations inside Valero Ardmore Refinery, activities must be performed in accordance with SHG E-31 "Vacuum Truck Operation Safety & Health Guidelines".

Risks

- H2S Exposure
- Vac Truck Valve Operation
- Unknown Product
- Exposure Skin/Product/Vapor
- Slips/Trips/Falls
- Damage to Equipment
- Containment Loss

PPE

- Basic PPE
- Fresh Air
- Chemical Protective Suit
- Chemical Gloves
- Rubber Boots
- Radio

Equipment

- Vacuum Truck

Key Responsibilities

Supervisors

- Shall ensure that this policy is followed and properly executed by trained personnel.

Employees

- Shall follow all aspects of this procedure.

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Process

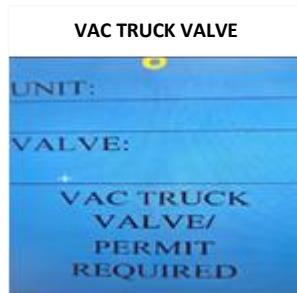
PRE-WORK & SET-UP

***ATTENTION: THIS JOB IS A HIGH-RISK ACTIVITY. ONE SHOULD TAKE EXTRA CAUTION WHEN PERFORMING THIS ACTIVITY. THERE IS A CHANE FOR DEADLY GAS EXPOSURE. PLEASE STAY VIGILIENT IN FOLLOWING SAFETY PROTOCOLS.**

1. Conduct Equipment Pre-Trip
2. Complete JSA
3. Obtain Permit
4. Set Vacuum truck up for loading of product. Using a ground guide, back your vacuum truck into position, approximately 10' from the collection location. Ensure wheels are chalked, vent is placed in proper position and marked with cone, ensure area is clear of other personnel down wind, connect grounding cable and ensure that ground light is on, connect hose to vacuum truck, apply cam lock, place end of hose in collection containment tub where the operator is located.

CRUDE FLARE DRAW PROCESS

5. Engage the Suction Pump and allow vacuum to build to 5psi.
6. Operation Open the Vac Truck Valve on the Vessel. **(THIS WILL BE INDICATED BY A BLUE TAG AS SHOWN BELOW)**



7. Begin suction using the open end of the vacuum hose, vacuuming the tub until the vacuum truck is 80% full, make certain to get a sample of the stream.
8. Close the Vac Truck Valve

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9. Remove suction hose from containment (while suction pump is still engaged to ensure vapors and product do not escape).
10. Record the number of products on-loaded and get a sample.
11. Notify Operations via Radio that Crude Flare is complete and the Drain Valve needs to be closed.

12. Once the vacuum truck equipment has been loaded, and hoses have been secured to offload at TK84 and offload per SCI-S002-TK84 Offload Procedure.

Clean-Up and Completion

13. Clean-Up. Wash Equipment, pick up any trash around the worksite
14. Notify the Supervisor that Crude Flare Draw has been completed.