

	SMITH CONSTRUCTION, INC. Safety Management System	Doc No:	SCI-010	
		Initial Issue Date	06/30/2025	
		Revision Date:	10/06/2025	
42" Lift Station Skim		Revision No.	1	
		Next Review Date:	06/30/2026	
Preparation: Safety Mgr	Authority: President	Issuing Dept: Safety	Page:	
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Purpose

The purpose of this program is to define the requirements for safely and efficiently performing the 42" Lift Station Skim.

Scope

This policy details the Risks, PPE, Equipment, Key Responsibilities, and instruction for 42" Lift Station Skim. 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

- **Exposure to Product/Vapor**
- **Slips/Trips/Falls**
- **Hose Blow Out**
- **Reversing while backing up to the super sucker**
- **Multiple Location**
- **Damage to Equipment/Property**
- **Product containment loss outside of tub**

PPE

- **Basic PPE**
- **Face Shield**

Equipment

- **Vactor**
- **Vacuum Truck**
- **Manway Picker**

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 AND EQUIPMENT SET-UP

1. Complete the pre-trip log for Vacuum truck
2. Complete the JSA
3. Obtain permit to pull products from vessel/tank
4. Position the Vactor (Super Sucker) as close to the lift station as possible. Use a ground guide for final position to ensure that any objects are free, and the Super Sucker has enough clearance to safely operate.
5. Position a vacuum truck, using a ground guide, at the back of the super sucker and attach the connecting vacuum hose to the super sucker to pull water out of the debris box, this is done to continue the cleaning process with the Vactor and only having to offload water with the vacuum truck.
6. Connect the non-perforated suction hose to the main suction pipe located at the front of the Super Sucker.
7. Using the manway picker, open the manway, and lower the suction hose into the collection box.
 - o Do not stand directly over the lid when opening the lid.

SKIM PROCESS

9. Engage the Blower and idle up to -13 to -15" of vacuum and begin skimming out the lift station.
 - o Ensure to check the lift as far back as possible.
10. Once the oil has been sufficiently clean, obtain a sample of the product, detach the vacuum truck and offload the water per *SCI-S001-Desalter Offload Procedure*.

CLEAN UP AND COMPLETION

11. Secure all hose has been collected for disposal. Clean all equipment.
12. Contact supervisor for project completion approval.
13. Using a ground guide, back the Vactor up, and execute and 3-point turnaround.