



Section I- South Coast AQMD BACT Determination

Source Type: **Major/LAER**
 Application No.: **509018**
 Equipment Category: **Liquid Transfer and Handling**
 Equipment Subcategory: **Tank Truck Loading/ Unloading Racks, Class A**
 Date: **February 2, 2024**

1. EQUIPMENT INFORMATION

A. MANUFACTURER:		B. MODEL:	
C. DESCRIPTION: The facility functions as bulk loading/unloading and pipeline transfer station. It delivers petroleum products via loading racks and pipeline to customers in the Southern California region.			
D. FUNCTION: Vapor recovery/collection and disposal system, controls vapor displaced due to rack loading as well as tank degassing/refilling.			
E. SIZE/DIMENSIONS/CAPACITY:			
COMBUSTION SOURCES			
F. MAXIMUM HEAT INPUT:			
G. BURNER INFORMATION:			
TYPE		INDIVIDUAL HEAT INPUT	NUMBER
-		-	-
H. PRIMARY FUEL: Natural Gas		I. OTHER FUEL: -	
J. OPERATING SCHEDULE: 24 HRS/DAY 7 DAYS/WEEK 52 WKS/YR			
K. EQUIPMENT COST: N/A			
L. EQUIPMENT INFORMATION COMMENTS:			

2. COMPANY INFORMATION

A. COMPANY: SFPP, L.P.		B. FAC ID: 800129	
C. ADDRESS: 2359 Riverside Ave CITY: Bloomington STATE: CA ZIP: 92316		D. NAICS CODE: 49319	
E. CONTACT PERSON: Bill Toepfer		F. TITLE: Area Manager	
G. PHONE NO.: (909) 873-5152		H. EMAIL: bill_toepfer@KinderMorgan.com	

3. PERMIT INFORMATION

A. AGENCY: South Coast AQMD	B. APPLICATION TYPE: CHANGE OF CONDITIONS
C. SCAQMD ENGINEER: Linda Dejbakhsh	
D. PERMIT INFORMATION: PC ISSUANCE DATE: 4/23/09 P/O NO.: G37437 PO ISSUANCE DATE: 9/29/2015	
E. START-UP DATE: -	
F. OPERATIONAL TIME: 6+ years	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES						
	VOC	NOx	SOx	CO	PM OR PM₁₀	INORGANIC
BACT Limit	0.02 LBS/1000 GALLONS					
Averaging Time						
Correction						
B. OTHER BACT REQUIREMENTS: -						
C. BASIS OF THE BACT/LAER DETERMINATION: Achieved in Practice/New Technology						
D. EMISSION INFORMATION COMMENTS: -						

5. CONTROL TECHNOLOGY

A. MANUFACTURER: John Zink		B. MODEL: -	
C. DESCRIPTION: Thermal oxidizer for loading rack, direct flame			
D. SIZE/DIMENSIONS/CAPACITY: Diameter – 9ft, Height – 50ft, 1250 CFM Waste Gas Capacity, 78 MMBtu/hr			
E. CONTROL EQUIPMENT PERMIT INFORMATION:			
APPLICATION NO.: 509018		PC ISSUANCE DATE: 4/23/09	
PO NO.: G37437		PO ISSUANCE DATE: 9/29/2015	
F. REQUIRED CONTROL EFFICIENCIES:			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	99%	___%	___%
NOx	___%	___%	___%
SOx	___%	___%	___%
CO	___%	___%	___%
PM	___%	___%	___%
PM ₁₀	___%	___%	___%
INORGANIC	___%	___%	___%
G. CONTROL TECHNOLOGY COMMENTS:			
<p>Permit Condition C6.13) The operator shall use this equipment in such a manner that the flow does not exceed 1250 SCFM.</p> <p>Permit Condition C8.6) The operator shall use this equipment in such a manner that the temperature being monitored is not less than 1225 °F; this does not apply during periods of startup or shutdown, which are not to exceed 30 minutes.</p>			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: Source test		
B. DATE(S) OF SOURCE TEST: 6/25/2010		
C. COLLECTION EFFICIENCY METHOD: -		
D. COLLECTION EFFICIENCY PARAMETERS: -		
E. SOURCE TEST/PERFORMANCE DATA:		
<ul style="list-style-type: none"> • Test performed at 1225 degrees Fahrenheit • The sampling was conducted over 1-hour period. 		
	Source Test Results	Permit Conditions
VOC Mass Emission Rate	0.01 lbs/1000 gal	≤ 0.02 lbs/1000 gal
VOC Removal Efficiency	99.85%	≥ 99%
Outlet VOC	48.90 ppm	≤ 500 ppm

F. TEST OPERATING PARAMETERS AND CONDITIONS: <ul style="list-style-type: none"> Flow rate must be monitored so that it does not exceed 1250 CFM; Temperature must be monitored so that it does drop below 1225 degrees Fahrenheit while equipment is operating (except during periods of startup or shutdown).
G. TEST METHODS (SPECIFY AGENCY): South Coast AQMD Method 25.1 and 25.3
H. MONITORING AND TESTING REQUIREMENTS: The source test shall be conducted at least once every 5 years to: <ul style="list-style-type: none"> Determine VOC emission rate in pound per 1000 gallons loaded; Demonstrate a 99% overall control efficiency for the vapor recovery and disposal system; Determine the bulk loading rate in gallons per hour.
I. DEMONSTRATION OF COMPLIANCE COMMENTS: <ul style="list-style-type: none"> Tested for VOC Control Efficiency at 1500 °F, 1225 °F, and 1000 °F

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT: -	B. CCAT: 05	C. APPLICATION TYPE CODE: -	
D. RECLAIM FAC? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S): PR10087	
G. SCAQMD SOURCE SPECIFIC RULES: <ul style="list-style-type: none"> Rule 462: This is a Class A facility required to meet a VOC emissions rate of 0.08 lbs/1000 gallons loaded. Source tests show that the emissions are below 0.08 lbs/1000 gallons, compliance expected. <ul style="list-style-type: none"> Class A Facility is defined as any facility that loads 20,000 gallons of organic liquid or more into any tank truck, trailer, or railroad tank car in any one day. Rule 1149: This afterburner is subject to the 500 ppm VOC limitation during degassing operations, expected to comply. 			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR: -	H2. MICR DATE: -	H3. CANCER BURDEN: -	H4. CB DATE: -
H5. HIA: -	H6. HIA DATE: -	H7. HIC: -	H8. HIC DATE: -