



Section I – South Coast AQMD BACT Determination

Source Type: **Major/LAER**

Application No.: **617290**

Equipment Category: **Heater**

Equipment Subcategory: **Other Process**

Date: **February 2, 2024**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: Callidus	B. MODEL: N/A	
C. DESCRIPTION: Callidus Technologies Heater, with internal flue gas recirculation. Equipped with three ClearSign Core Ultra Low NOx Burners, natural draft (rated at 12.5 MMBtu/hr total).		
D. FUNCTION: SFPP Colton functions as a bulk loading/unloading and pipeline transfer station. When product is switched in the pipeline, a gasoline/diesel blend (transmix) is produced. Within the transmix processing plant, this heater is used for the flash distillation process that separates the transmix blends to recover the individual fractions.		
E. SIZE/DIMENSIONS/CAPACITY: 12.5 MMBtu/hr		
COMBUSTION SOURCES		
F. MAXIMUM HEAT INPUT: 3 burners, total of 12.5 MMBtu/hr		
G. BURNER INFORMATION		
TYPE	INDIVIDUAL HEAT INPUT	NUMBER
Ultra Low NOx	4.167 MMBtu/hr	3
H. PRIMARY FUEL: Natural gas	I. OTHER FUEL: Process gas	
J. OPERATING SCHEDULE: 24 HRS/DAY 7 DAYS/WEEK WKS/YEAR (See Section 1.L.)		
K. EQUIPMENT COST: N/A		
L. EQUIPMENT INFORMATION COMMENTS: The transmix system typically operates about two weeks per month at 24 hours per day of operation with a non-operating week in between.		

2. COMPANY INFORMATION

A. COMPANY: SFPP, L.P. Colton Terminal	B. FAC ID: 800129
C. ADDRESS: 2359 Riverside Ave CITY: Bloomington STATE: CA ZIP: 92316	D. NAICS CODE: 486910
E. CONTACT PERSON: Nina McAfee	F. TITLE: EHS Manager
G. PHONE NO.: (713) 420-5610	H. EMAIL: Nina_McAfee@kindermorgan.com

3. PERMIT INFORMATION

A. AGENCY: South Coast AQMD	B. APPLICATION TYPE: MODIFICATION
C. SCAQMD ENGINEER: Linda Dejbakhsh	
D. PERMIT INFORMATION: PC ISSUANCE DATE: 11/18/20 PO NO.: G71481 PO ISSUANCE DATE: 4/4/2023	
E. START-UP DATE: 3/5/2021	
F. OPERATIONAL TIME: Over 2 years	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES: .						
	VOC	NOx	SOx	CO	PM OR PM₁₀	INORGANIC
BACT Limit		7 PPM		100 PPM		
Averaging Time		15 minutes		15 minutes		
Correction		3% O ₂		3% O ₂		
B. OTHER BACT REQUIREMENTS: -						
C. BASIS OF THE BACT/LAER DETERMINATION: Achieved in Practice/New Technology						
D. EMISSION INFORMATION COMMENTS: This facility is not a major source of HAP and 40 CFR Part 63 Subpart DDDDD does not apply. If the facility is subject to 40 CFR Part 63 Subpart DDDDD then during tune-ups required under this subpart, the 100 ppm CO limit would not apply.						

5. CONTROL TECHNOLOGY

A. MANUFACTURER: ClearSign	B. MODEL: CL-CPB-1-050X		
C. DESCRIPTION: 3 ClearSign Core Ultra Low NOx Burners, Natural Draft			
D. SIZE/DIMENSIONS/CAPACITY: Three 4.167 MMBtu/hr burners for a total of 12.5 MMBtu/hr			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. 617290 PC ISSUANCE DATE: 11/18/20 PO NO.: G71481 PO ISSUANCE DATE: 4/4/2023			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	___%	___%	___%
NOx	___%	___%	___%
SOx	___%	___%	___%
CO	___%	___%	___%
PM	___%	___%	___%
PM ₁₀	___%	___%	___%
INORGANIC	___%	___%	___%
G. CONTROL TECHNOLOGY COMMENTS: -			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: Source Test									
B. DATE(S) OF SOURCE TEST: 4/28/2021									
C. COLLECTION EFFICIENCY METHOD: N/A									
D. COLLECTION EFFICIENCY PARAMETERS: N/A									
E. SOURCE TEST/PERFORMANCE DATA:									
<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Pollutant</th> <th style="width: 33%;">Test Result</th> <th style="width: 33%;">Emission Limit</th> </tr> </thead> <tbody> <tr> <td>NOx, ppmv @ 3% O₂</td> <td style="text-align: center;">6.25</td> <td style="text-align: center;">7</td> </tr> <tr> <td>CO, ppmv @ 3% O₂</td> <td style="text-align: center;">< 2.00</td> <td style="text-align: center;">100</td> </tr> </tbody> </table>	Pollutant	Test Result	Emission Limit	NOx, ppmv @ 3% O ₂	6.25	7	CO, ppmv @ 3% O ₂	< 2.00	100
Pollutant	Test Result	Emission Limit							
NOx, ppmv @ 3% O ₂	6.25	7							
CO, ppmv @ 3% O ₂	< 2.00	100							
F. TEST OPERATING PARAMETERS AND CONDITIONS: N/A									
G. TEST METHODS (SPECIFY AGENCY): South Coast AQMD Method 100.1									
H. MONITORING AND TESTING REQUIREMENTS: The source test shall be conducted at least every three years.									
I. DEMONSTRATION OF COMPLIANCE COMMENTS: -									

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT: 19603	B. CCAT: -	C. APPLICATION TYPE CODE: 50	
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): PR20335	
G. SCAQMD SOURCE SPECIFIC RULES: 1146			
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: -