SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT *ENGNEERING AND COMPLIANCE* **APPLICATION PROCESSING AND CALCULATIONS**	**PAGES**	**PAGE**
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	APPL. NO.	**DATE**
	471226-32	1/20/2011
	PROCESSED BY	**CHECKED BY**
	JOHNNY PAN	

PERMIT-TO-OPERATE (s)
(POs)
(CHANGE OF CONDITION)

COMPANY NAME AND ADDRESS

Edgington Oil Company
2400 E. Artesia Blvd.
Long Beach, CA 90805

Contact : Bob Cimbalo
Telephone: (562) 423-1465
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EQUIPMENT LOCATION

2400 E. Artesia Blvd.
Long Beach, CA 90805

Facility: 800264

SECTION D: EQUIPMENT DESCRIPTION

Equipment	I.D. No.	Connected To	RECLAIM Source/ Type Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: TREATING/STRIPPING					
System 3: WASTE WATER TREATMENT SYSTEM					S13.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO.6303, WASTE WATER, WITH STEAM COIL, 6300 BBL; DIAMETER: 33 FT 6 IN; HEIGHT: 40 FT WITH A/N: 471226 FLOATING ROOF, WELDED SHELL PRIMARY SEAL, ***CATEGORY A, MECHANICAL SHOE*** ~~SECONDARY SEAL, CATEGORY B, WIPER SEAL~~	D68				C1.11, C6.2, ~~H23.1,~~ K67.4

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Equipment	I.D. No.	Connected To	RECLAIM Source/ Type Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: TREATING/STRIPPING					
System 3: WASTE WATER TREATMENT SYSTEM					S13.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO.6304, WASTE WATER, SLOP OIL, WITH STEAM COIL, 6300 BBL; DIAMETER: 33 FT 6 IN; HEIGHT: 40 FT WITH A/N: 471227 FLOATING ROOF, WELDED SHELL PRIMARY SEAL, ***CATEGORY A, MECHANICAL SHOE*** ~~SECONDARY SEAL, CATEGORY B, WIPER SEAL~~	D69				C1.11, C6.2, ~~H23.1~~, K67.4
Process 5: STORAGE TANKS					
System 3: INTERNAL FLOATING ROOF STORAGE TANKS					S13.4
STORAGE TANK, INTERNAL FLOATING ROOF, NO.12007, 12000 BBL; DIAMETER: 42 FT 6 IN; HEIGHT: 45 FT ~~48 FT~~ WITH A/N: 471228 FLOATING ROOF, WELDED SHELL PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, CATEGORY B, WIPER SEAL	D158				C1.12, C6.3, K67.4

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Equipment	I.D. No.	Connected To	RECLAIM Source/ Type Monitoring Unit	Emissions* And Requirements	Conditions
Process 5: STORAGE TANKS					
System 3: INTERNAL FLOATING ROOF STORAGE TANKS					S13.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO.12010, 12000 BBL; DIAMETER: 42 FT 6 IN; HEIGHT: 45 FT ~~48 FT~~ WITH A/N: 471229 FLOATING ROOF, WELDED SHELL PRIMARY SEAL, CATEGORY B, WIPER SECONDARY SEAL, CATEGORY B, WIPER SEAL	D161				C1.12, C6.3, K67.4
STORAGE TANK, INTERNAL FLOATING ROOF, STEAM HEATED, NO.30003, CRUDE OIL, 30000 BBL; DIAMETER: 70 FT; HEIGHT: 45 FT WITH A/N: 471230 FLOATING ROOF, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE ~~SECONDARY SEAL, CATEGORY B, WIPER~~ SEAL	D164				C1.13, C6.3, K67.4

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Equipment	I.D. No.	Connected To	RECLAIM Source/ Type Monitoring Unit	Emissions* And Requirements	Conditions
Process 5: STORAGE TANKS					
System 3: INTERNAL FLOATING ROOF STORAGE TANKS					S13.3
STORAGE TANK, INTERNAL FLOATING ROOF, STEAM HEATED, NO.30004, CRUDE OIL, 30000 BBL; DIAMETER: 70 FT; HEIGHT: 45 FT WITH A/N: 471231 FLOATING ROOF, WELDED SHELL PRIMARY SEAL, ***CATEGORY A, METALLIC SHOE*** ~~SECONDARY SEAL, CATEGORY B, WIPER SEAL~~	D165				C1.13, C6.3, K67.4
STORAGE TANK, INTERNAL FLOATING ROOF, STEAM HEATED, NO.30006, CRUDE OIL, 30000 BBL; DIAMETER: 70 FT; HEIGHT: 45 FT WITH A/N: 471232 FLOATING ROOF, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE ~~SECONDARY SEAL, CATEGORY B, WIPER SEAL~~	D166				C1.13, C6.3, K67.4

BACKGROUND

The Edgington Oil Company (Edgington) currently operates an asphalt/oil refinery located in the City of Long Beach. The District classifies the refinery as a RECLAIM and Title V facility. In addition, it is also subject to RECLAIM SOx and NOx requirements.

On 27 June 2007, Edgington submitted seven applications for Permit-to-Operate (s)/Change of Condition (POs) and to correct the physical descriptions on its tanks. The following table gives the tanks in which Edgington submitted applications and the requested changes:

Storage Tank No. (Device No.)	Application No.	Requested Changes
6303 (D68)	471226	1. Edgington has upgraded its primary seal from a wiper seal to a mechanical shoe. The upgrade was done with the exemption under Rule 219 (m). 2. The current description indicates that the storage tank has a secondary seal, but upon inspection, Edgington discovered that the storage tank does not have a secondary seal. It was never installed. 3. Edgington requests that the District changes the throughput monitoring condition C1.11 to reflect the actual measuring devices available for monitoring throughout.
6304 (D69)	471227	1. Edgington has upgraded its primary seal from a wiper seal to a mechanical shoe. The upgrade was done with the exemption under Rule 219 (m). 2. The current description indicates that the tank has a secondary seal, but upon inspection, Edgington discovered that the tank does not have a secondary seal. It was never installed. 3. Edgington requests that the District changes the throughput monitoring condition C1.11 to reflect the actual measuring devices available for monitoring throughout.
12007 (D158)	471228	Edgington requests that the District changes the throughput monitoring condition C1.12 to reflect the actual measuring devices available for monitoring throughout. In addition, Edgington also requests that the District correct the dimater of the tank. The actual diameter is 45 ft, not 48 ft.
12010 (D161)	471229	Edgington requests that the District changes the throughput monitoring condition C1.12 to reflect the actual measuring devices available for monitoring throughout. In addition, Edgington also requests that the District correct the dimater of the tank. The actual diameter is 45 ft, not 48 ft.

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Storage Tank No. (Device No.)	Application No.	Requested Changes
30003 (D164)	471230	1. Edgington has upgraded its primary seal from a wiper seal to a mechanical shoe. The upgrade was done with the exemption under Rule 219 (m). 2. The current description indicates that the tank has a secondary seal, but upon inspection, Edgington discovered that the tank does not have a secondary seal. It was never installed. 3. Edgington requests that the District changes the throughput monitoring condition C1.13 to reflect the actual measuring devices available for monitoring throughout.
30004 (D165)	471231	1. Edgington has upgraded its primary seal from a wiper seal to a mechanical shoe. The upgrade was done with the exemption under Rule 219 (m). 2. The current description indicates that the tank has a secondary seal, but upon inspection, Edgington discovered that the tank does not have a secondary seal. It was never installed. 3. Edgington requests that the District changes the throughput monitoring condition C1.13 to reflect the actual measuring devices available for monitoring throughout.
30006 (D166)	471232	1. Edgington has upgraded its primary seal from a wiper seal to a mechanical shoe. The upgrade was done with the exemption under Rule 219 (m). 2. The current description indicates that the tank has a secondary seal, but upon inspection, Edgington discovered that the tank does not have a secondary seal. It was never installed. 3. Edgington requests that the District changes the throughput monitoring condition C1.13 to reflect the actual measuring devices available for monitoring throughout.

PERMIT HISTORY

The Edgington's storage tanks are existing equipment. As existing devices that are not exempt from permitting, each of the company's storage tanks has operated under various permits since their construction. The following table gives the permit history for each tank (Note: A copy of the most recent evaluation and permit is in each tank's application):

Storage Tank No. 6303 (D68)-Application No.471226		
Application No. [Permit No.]	**Application Status [Issue Date]**	**Purpose**
373560 [F66244]	Active [2/17/2004]	Applicant submitted the application to add secondary seal to its internal storage tank's physical description. At that time, Edgington believed that its internal floating roof tank had a secondary seal installed and wanted to include in the description.
282420 [D74404]	Inactive [6/21/1993]	Change of Ownership.
165780 [M63639]	Inactive [5/27/1988]	Change of Ownership.
138018 [M57713]	Inactive [7/7/1987]	The tank was previously exempt, but the exclusion was removed by the District.
Storage Tank No. 6304 (D69)-Application No.471227		
373803 [F66248]	Active [2/17/2004]	Applicant submitted the application to add secondary seal to its internal storage tank's physical description. At that time, Edgington believed that its internal floating roof tank had a secondary seal installed and wanted to include in the description.
282419 [D74403]	Inactive [6/21/1993]	Change of Ownership.
165781 [M63640]	Inactive [5/27/1988]	Change of Ownership.
138019 [M57712]	Inactive [7/7/1987]	The tank was previously exempt, but the exclusion was removed by the District.

Storage Tank No. 12007 (D158)-Application No.471228		
449256 [F79356]	Active [9/25/2005]	Applicant submitted the application to modify its tank's seal from wiper seal to mechanical shoe and to add a secondary seal to the tank's description.
373557 [F66243]	Inactive [2/17/2004]	Applicant submitted the application to add secondary seal to its internal storage tank's physical description.
282422 [D74406]	Inactive [6/21/1993]	Change of Ownership.
165784 [M63646]	Inactive [5/27/1988]	Change of Ownership.
C19641 [M10393]	Inactive [4/25/1980]	Unknown.
Storage Tank No. 12010 (D161)-Application No.471229		
373806 [F66249]	Inactive [2/17/2004]	Applicant submitted the application to add secondary seal to its internal storage tank's physical description.
282415 [D74399]	Inactive [6/21/1993]	Change of Ownership.
165777 [M63636]	Inactive [5/27/1988]	Change of Ownership.
C35307 [M21466]	Inactive [3/1/1982]	Unknown.
Storage Tank No. 30003 (D164)-Application No.471230		
460455 [F96202]	Active [4/1/2008]	Applicant submitted application to correct description on storage tank.
433337 [F70676]	Inactive [9/14/2004]	Applicant submitted the application to modify its tank's seal from wiper seal to mechanical shoe and to add a secondary seal to the tank's description.
373563 [F66245]	Inactive [2/17/2004]	Applicant submitted the application to add secondary seal to its internal storage tank's physical description. At that time, Edgington believed that its internal floating roof tank had a secondary seal installed and wanted to include them in the description.
282439 [R-D74423]	Inactive [6/21/1993]	Change of Ownership.
165775 [M63634]	Inactive [5/27/1988]	Change of Ownership.
C12393 [M08075]	Inactive [8/8/1979]	Unknown.

Storage Tank No. 30004 (D165)-Application No.471231		
460457 [F96203]	Active [4/1/2008]	Applicant submitted application to correct description on storage tank.
373801 [F66246]	Inactive [2/17/2004]	Applicant submitted the application to add secondary seal to its internal storage tank's physical description. At that time, Edgington believed that its internal floating roof tank had a secondary seal installed and wanted to include it in the description.
282440 [D74424]	Inactive [6/21/1993]	Change of Ownership.
165776 [M63635]	Inactive [5/27/1988]	Change of Ownership.
C12394 [M07982]	Inactive [4/25/1980]	Unknown.
Storage Tank No. 30006 (D166)-Application No.471232		
460458 [D96204]	Active	Applicant submitted application to correct description on storage tank.
440252	Inactive [2/22/05]	Applicant submitted the application to modify its tank's seal from wiper seal to mechanical shoe and to add a secondary seal to the tank's description.
373802 [F66247]	Active [2/17/2004]	Applicant submitted the application to add secondary seal to its internal storage tank's physical description. At that time, Edgington believed that its internal floating roof tank had a secondary seal installed and wanted to include in the description.
282421 [D74405]	Inactive [6/21/1993]	Change of Ownership.
165772 [M63631]	Inactive [5/27/1988]	Change of Ownership.
C19814 [M16017]	Inactive [4/25/1980]	Unknown.

COMPLIANCE RECORD REVIEW

The District conducted a search in its Compliance Database to determine whether the facility has any open Notice-to-Comply (NTCs) or Notice-of-Violation (NOVs). This search was for a period of 3 years from the date that Edgington submitted its application. The results show that Edgington does not have any outstanding NTCs and NOVs.

FEE ANALYSIS

The following table determines the amount of permit process fees for Edgington's applications and whether the company paid the correct fees or additional fees are required:

Application No.	Equipment	Application Type	Fee Schedule	Amount
471226	Internal Floating Roof	Change of Condition	C	$1,453.64
471227	Internal Floating Roof	Change of Condition	C	$1,453.64
471228	Internal Floating Roof	Change of Condition	C	$1,453.64
471229	Internal Floating Roof	Change of Condition	C	$1,453.64
471230	Internal Floating Roof	Change of Condition	C	$1,453.64
471231	Internal Floating Roof	Change of Condition	C	$1,453.64
471232	Internal Floating Roof	Change of Condition	C	$1,453.64
			Total Required Fees	$10,175.48
			Total Fees Paid	$10,175.48
			Refund (Additional Fee)	$0.00 ($0.00)

Note: Edgington submitted its applications prior to the fee change that occurred on July 2007. As a result, the application fees are based on 2006 fees.

PROCESS DESCRIPTION

Edgington submitted the permit applications for seven internal floating roof tanks to change the monitoring conditions for throughput, and to correct the seals installed on some of its tanks. As stated in some of the applications, the description on some tanks indicates that they have secondary seals, but in reality, secondary seals were not installed. Furthermore, Edgington also wants to update the primary seals on some tanks as the company has upgraded the primary seals from category B to category A. The following table gives the specifications for each of the Edgington's internal floating roof storage tanks:

Storage Tank No. 6303 (D68): Application No.471226		
Material Stored: Wastewater and Slop Oil		
Tank Dimensions:		
	Previous	**Current/Actual**
Diameter (feet)	33.5	33.5
Height (feet)	40	40
Tank Capacity (Gallon)	264,600	264,600
Paint Characteristics:		
	Previous	**Current/Actual**
Internal Shell Conditions	Light Rust	Light Rust
Shell Color/Shade	White/White	White/White
Shell Condition	Good	Good
Roof Characteristics:		
	Previous	**Current/Actual**
Roof Type/Support	Pontoon	Pontoon
Deck Type	Welded	Welded
Tank Rim-Seal System:		
	Previous	**Current/Actual**
Primary Seal	Wiper Type	Mechanical Shoe
Secondary Seal	Rim-mounted	Never Installed
Deck Fitting:		
	Previous	**Current/Actual**
Automatic Gauge Float Well/ Bolted Cover	1 (Ungasketed)	1 (Gasketed)
GuidePole/Sample Well	0	1 (Gasketed sliding cover with float)
Roof Leg (3-in Diameter) or Hanger Well/Adjustable	11	12
Vacuum Breaker (10-in Diameter), Weighted Mechanical Actuation, Gasketed.	1	1
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seal 10% Open	1 (Gasketed with sliding cover	1 (Gasketed with sliding cover
Access Hatch (24-in. Diam.)	1 (Ungasketed and unbolted)	1 (Gasketed and bolted)
Column Well-24” Diameter	1 (Sliding cover and gasketed)	1 (Sliding cover and gasketed)
Stub Drains	0	8

Storage Tank No. 6304 (D69)-Application No.471227		
Material Stored: Wastewater and Slop Oil		
Tank Dimensions:		
	Previous	**Current/Actual**
Diameter (feet)	33.5	33.5
Height (feet)	40	40
Tank Capacity (Gallon)	264,600	264,600
Paint Characteristics:		
	Previous	**Current/Actual**
Internal Shell Conditions	Pontoon	Pontoon
Shell Color/Shade	Welded	Welded
Shell Condition	Good	Good
Roof Characteristics:		
	Previous	**Current/Actual**
Roof Type/Support	Double Deck	Double Deck
Deck Type	Welded	Welded
Tank Rim-Seal System:		
	Previous	**Current/Actual**
Primary Seal	Wiper Type	Mechanical Shoe
Secondary Seal	Rim-mounted	Never Installed
Deck Fitting:		
	Previous	**Current/Actual**
Automatic Gauge Float Well/ Bolted Cover	1 (Ungasketed)	1 (Gasketed)
GuidePole/Sample Well	0	1 (Gasketed sliding cover with float)
Roof Leg (3-in Diameter) or Hanger Well/Adjustable	11	12
Vacuum Breaker (10-in Diameter), Weighted Mechanical Actuation, Gasketed.	1	1
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seal 10% Open	1 (Gasketed with sliding cover	1 (Gasketed with sliding cover
Access Hatch (24-in. Diam.)	1 (Ungasketed and unbolted)	1(Gasketed and bolted)
Column Well-24” Diameter	1 (Sliding cover and gasketed)	1 (Sliding cover and gasketed)
Stub Drains	0	8

Storage Tank No. 12007 (D158): Application No.471228		
Material Stored: Gasoline (RVP 6)		
Tank Dimensions:		
	Previous	**Current/Actual**
Diameter (feet)	42.5	42.5
Height (feet)	48	45
Tank Capacity (Gallon)	504,000	504,000
Paint Characteristics:		
	Previous	**Current/Actual**
Internal Shell Conditions	Light Rust	Light Rust
Shell Color/Shade	White/White	White/White
Shell Condition	Good	Good
Tank Rim-Seal System:		
	Previous	**Current/Actual**
Primary Seal	Vapor Mounted	Mechanical Shoe
Secondary Seal	Rim-mounted	Rim-mounted
Deck Fitting:		
	Previous	**Current/Actual**
Automatic Gauge Float Well/ Bolted Cover	1 (Ungasketed)	1 (Gasketed)
GuidePole/Sample Well	0	1 (Gasketed sliding cover with float)
Roof Leg (3-in Diameter) or Hanger Well/Adjustable	13	17
Vacuum Breaker (10-in Diameter), Weighted Mechanical Actuation, Gasketed.	1	1
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seal 10% Open	1 (Gasketed with sliding cover	1 (Gasketed with sliding cover
Access Hatch (24-in. Diam.)	1 (Ungasketed and unbolted)	1 (Gasketed and bolted)
Column Well-24” Diameter	0 (Sliding Cover and gasketed)	1 (Sliding cover and gasketed)
Stub Drains	0	8

Storage Tank No. 12010 (D161): Application No.471229		
Material Stored: Gasoline (RVP 6)		
Tank Dimensions:		
	Previous	**Current/Actual**
Diameter (feet)	42.5	42.5
Height (feet)	48	45
Tank Capacity (Gallon)	504,000	504,000
Paint Characteristics:		
	Previous	**Current/Actual**
Internal Shell Conditions	Light Rust	Light Rust
Shell Color/Shade	White/White	White/White
Shell Condition	Good	Good
Tank Rim-Seal System:		
	Previous	**Current/Actual**
Primary Seal	Vapor Mounted	Mechanical Shoe
Secondary Seal	Rim-mounted	Rim-mounted
Deck Fitting:		
	Previous	**Current/Actual**
Automatic Gauge Float Well/ Bolted Cover	1 (Ungasketed)	1 (Gasketed)
GuidePole/Sample Well	0	1 (Gasketed sliding cover with float)
Roof Leg (3-in Diameter) or Hanger Well/Adjustable	13	14
Vacuum Breaker (10-in Diameter), Weighted Mechanical Actuation, Gasketed.	1	1
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seal 10% Open	1 (Gasketed with sliding cover	1 (Gasketed with sliding cover
Access Hatch (24-in. Diam.)	1 (Ungasketed and unbolted)	1 (Gasketed and bolted)
Column Well-24” Diameter	0 (Sliding cover and gasketed)	1 (Sliding cover and gasketed)
Stub Drains	0	14

Storage Tank No. 30003 (D164): Application No.471230		
Material Stored: Crude Oil (RVP 5)		
Tank Dimensions:		
	Previous	**Current/Actual**
Diameter (feet)	70	70
Height (feet)	45	45
Tank Capacity (Gallon)	1,260,000	1,260,000
Paint Characteristics:		
	Previous	**Current/Actual**
Internal Shell Conditions	Light Rust	Light Rust
Shell Color/Shade	White/White	White/White
Shell Condition	Good	Good
Tank Rim-Seal System:		
	Previous	**Current/Actual**
Primary Seal	Vapor Mounted	Mechanical Shoe
Secondary Seal	Rim-mounted	Never Installed
Deck Fitting:		
	Previous	**Current/Actual**
Automatic Gauge Float Well/ Bolted Cover	1 (Ungasketed)	1 (Gasketed)
GuidePole/Sample Well	0	1 (Gasketed sliding cover with float)
Roof Leg (3-in Diameter) or Hanger Well/Adjustable	36	36
Vacuum Breaker (10-in Diameter), Weighted Mechanical Actuation, Gasketed.	1	1
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seal 10% Open	1 (Gasketed with sliding cover	1 (Gasketed with sliding cover
Access Hatch (24-in. Diam.)	1 (Ungasketed and unbolted)	1 (Gasketed and bolted)
Column Well-24” Diameter	0 (Sliding cover and gasketed)	1 (Sliding cover and gasketed)
Stub Drains	0	30

Storage Tank No. 30004 (D165): Application No.471231		
Material Stored: Crude Oil (RVP 5)		
Tank Dimensions:		
	Previous	**Current/Actual**
Diameter (feet)	70	70
Height (feet)	45	45
Tank Capacity (Gallon)	1,260,000	1,260,000
Paint Characteristics:		
	Previous	**Current/Actual**
Internal Shell Conditions	Light Rust	Light Rust
Shell Color/Shade	White/White	White/White
Shell Condition	Good	Good
Tank Rim-Seal System:		
	Previous	**Current/Actual**
Primary Seal	Vapor Mounted	Mechanical Shoe
Secondary Seal	Rim-mounted	Never Installed
Storage Tank No. 30004 (D165)-Application No.471231		
Deck Fitting:		
	Previous	**Current/Actual**
Automatic Gauge Float Well/ Bolted Cover	1 (Ungasketed)	1 (Gasketed)
GuidePole/Sample Well	0	1 (Gasketed sliding cover with float)
Roof Leg (3-in Diameter) or Hanger Well/Adjustable	36	36
Vacuum Breaker (10-in Diameter), Weighted Mechanical Actuation, Gasketed.	1	1
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seal 10% Open	1 (Gasketed with sliding cover	1 (Gasketed with sliding cover
Access Hatch (24-in. Diam.)	1 (Ungasketed and unbolted)	1 (Gasketed and bolted)
Column Well-24” Diameter	0 (Sliding cover and gasketed)	1 (Sliding cover and gasketed)
Stub Drains	0	30

Storage Tank No. 30006 (D166): Application No.471232		
Material Stored: Wastewater		
Tank Dimensions:		
	Previous	**Current/Actual**
Diameter (feet)	70	70
Height (feet)	45	45
Tank Capacity (Gallon)	1,260,000	1,260,000
Paint Characteristics:		
	Previous	**Current/Actual**
Internal Shell Conditions	Light Rust	Light Rust
Shell Color/Shade	White/White	White/White
Shell Condition	Good	Good
Tank Rim-Seal System:		
	Previous	**Current/Actual**
Primary Seal	Vapor Mounted	Mechanic Shoe
Secondary Seal	Rim-mounted	Never Installed
Deck Fitting:		
	Previous	**Current/Actual**
Automatic Gauge Float Well/ Bolted Cover	1 (Ungasketed)	1 (Gasketed)
GuidePole/Sample Well	0	1 (Gasketed sliding cover with float)
Roof Leg (3-in Diameter) or Hanger Well/Adjustable	36	36
Vacuum Breaker (10-in Diameter), Weighted Mechanical Actuation, Gasketed.	1	1
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seal 10% Open	1 (Gasketed with sliding cover	1 (Gasketed with sliding cover
Access Hatch (24-in. Diam.)	1 (Ungasketed and unbolted)	1 (Gasketed and bolted)
Column Well-24” Diameter	0 (Sliding cover and gasketed)	1 (Sliding cover and gasketed)
Stub Drains	0	30

EMISSION CALCULATIONS

Edgington submitted its 7 applications to correct discrepancies in the description of its storage tanks, and to change the throughput monitoring conditions to reflect actual practice with the instrumentation that Edgington has installed on each tank.

The discrepancies that Edgington requests to correct are physical in nature. The company has requested that the District corrects the height of one storage tank, No.12010, and correct the seals installed on 5 of its storage tanks. The seal corrections are to remove the secondary seals from the tanks description of Tank No. 6303, No. 6304, No.30003, No.30004, and No.30006. The company recently completed an internal inquiry and discovered that the 5 tanks were never equipped with secondary seal as original thought. However, Edgington did upgrade the primary seals on all 5 tanks from wiper seals to mechanical shoes and also included a couple of tank fittings previously not accounted for in its tank fittings' inventory. The following table summarizes the physical changes that Edgington has requested in its submitted applications:

Storage Tank No.	Primary Seal	Secondary Seal	Diameter (ft)	Height (ft)
6303	Upgraded from wiper to mechanical shoe	Remove from description. It was never installed	No Change	No Change
6304	Upgraded from wiper to mechanical shoe	Remove from description. It was never installed	No Change	No Change
12007	No changes	No changes	No Change	No Change
12010	No changes	No changes	No Change	Change height from 48 FT to 45 FT
30003	Upgraded from wiper to mechanical shoe	Remove from description. It was never installed	No Change	No Change
30004	Upgraded from wiper to mechanical shoe	Remove from description. It was never installed	No Change	No Change

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Storage Tank No.	Primary Seal	Secondary Seal	Diameter (ft)	Height (ft)
30006	Upgraded from wiper to mechanical shoe	Remove from description. It was never installed	No Change	No Change

Because Edgington submitted applications to update and upgrade the seals and fittings on its tanks, these changes do affect the emissions of its 7 tanks. As the District's emission baseline for each tank was based on the tanks having certain seals and fittings, the emission for each tank will be updated to reflect the changes. The following section give the details of the emission updates for each of the 7 tanks:

STORAGE TANK NO. 6303 (APPLICATION NO. 471226) AND STORAGE TANK NO. 6304 (APPLICATION NO.471227)

For the Edgington's Tank No. 6303 and 6304, the company does not request change of service or an increase in throughput for each tank. Therefore, to establish the baseline for both tanks, the District will use the current throughput limit along with material to be stored with the seal and fitting updates as input in the USEPA's Tank 4.09 program to calculate each of the tank's emissions. The following table give the parameters used in determining each of the tank's emissions and the table that follows immediately summarizes the emissions for each of the tank:

Material Stored	Vapor Pressure @ 60 °F	Storage Tank Capacity (barrels)	Turnover Per Year	Vapor Molecular Weight
Wastewater/ Slope Oil	.30 psia	6300	360 (Permit Limit of 189000 barrels per months)	50

Note: All of the tanks store the same material and have the same throughput condition.

STORAGE TANK NO. 6303				
	Hourly VOC Emissions (lb/hr)	**Daily VOC Emissions (lb/day)**	**Annual VOC Emissions (lb/yr)**	**30 Day Average VOC Emissions (lb/day)**
Actual Emissions w/Mechanical Shoes and No Secondary Seal and Fittings Update	0.105	2.52	919.01	2.55
Emissions w/Vapor Mounted and Wiper Seals (Application No. 373560)	0.096	2.308	842.42	2.34
Difference in Emissions	0.009	0.22	76.59	0.22
STORAGE TANK NO. 6304				
Actual Emissions w/Mechanical Shoes and No Secondary Seal and Fittings Update	0.105	2.52	919.01	2.55
Emissions w/Vapor Mounted prior to proposed addition of a secondary seal under Application No. 373803.	0.102	2.45	895.08	2.49
Difference in Emissions	0.003	0.072	26.28	0.073

Note: The new Tank 4.09 calculations are in the Attachment A.

STORAGE TANK NO. 12007 (APPLICATION NO. 471228) AND STORAGE TANK NO. 12010 (APPLICATION NO.471229)

As mentioned in the section for Storage Tank No. 6303 and No. 6304, Edgington did not submit its applications to change its throughput conditions or to propose that the District allows its tanks to store additional materials. Therefore, as in the case for Tank No. 6303 and No. 6304, the tanks' emissions will calculated using the same parameters as its previous application, but with the updated seals and storage tank fittings. The following table gives the current allowed content and throughput conditions for Tank No. 12007 and No. 12010, and the second table summarizes each of the tank's emissions:

Material Stored	**Vapor Pressure @ 60 °F**	**Storage Tank Capacity (barrels)**	**Turnover Per Year**	**Vapor Molecular Weight**
Gasoline @ RVP 6	2.93 psia	12000	132 (Permit Limit of 132000 barrels per months)	69

Note: The storage tanks store the same material and have the same throughput condition.

STORAGE TANK NO. 12007				
	Hourly VOC Emissions (lb/hr)	**Daily VOC Emissions (lb/day)**	**Annual VOC Emissions (lb/yr)**	**30 Day Average VOC Emissions (lb/day)**
Actual Emissions w/Mechanical Shoes and No Secondary Seal And Fittings Update	0.154	3.70	1351.67	3.75
Emissions w/Wiper as Primary and Secondary Seals (Application No. 449256 and No. 373557)	0.175	4.20	1532.57	4.26
Difference in Emissions	-0.021	-0.50	-180.90	-0.51
STORAGE TANK NO. 12010				
	Hourly VOC Emissions (lb/hr)	**Daily VOC Emissions (lb/day)**	**Annual VOC Emissions (lb/yr)**	**30 Day Average VOC Emissions (lb/day)**
Actual Emissions w/Mechanical Shoes and No Secondary Seal And Fittings Update	0.146	3.50	1277.98	3.55
Emissions w/Wiper as Primary and Secondary Seals (Application 373806)	0.175	4.20	1532.57	4.26
Difference in Emissions	-0.029	-0.70	-254.59	-0.71

Note: The new Tank 4.09 calculations are in the Attachment A. Please note there is difference in the number of stub drains and roof legs in the both tanks' fitting inventory.

STORAGE TANK NO. 30003 (APPLICATION NO. 471230), STORAGE TANK NO. 30004 (APPLICATION NO.471231), AND STORAGE TANK NO. 30006 (APPLICATION NO.471232)

For its Storage Tank No. 30003, No. 30004, and No. 30006, Edgington, similar to all its other tanks, only requests that the District changes the seals and fittings for the tanks. The company does not propose the change the allowable storage content or increase the throughput of each tank. To establish the baseline for each storage tank District will use the properties of the permitted tanks and their throughput. The following table give the properties of the content and their permitted throughput, and the second table summarizes the emissions:

Material Stored	Vapor Pressure @ 60 °F	Storage Tank Capacity (barrels)	Turnover Per Year	Vapor Molecular Weight
Crude Oil @ RVP 5	2.80 psia	30000	132 (Permit Limit of 330000 barrels per months)	50

Note: All three tanks store the same material and have the same throughput condition.

STORAGE TANK NO. 30003				
Actual Emissions w/Mechanical Shoes and No Secondary Seal and with Fittings Updates Actual Emissions w/Mechanical Shoes and No Secondary Seal	0.507	12.17	4442.05	12.34
Emissions w/Vapor Mounted prior to proposed addition of a secondary seal under Application No. 433337 and No. 373563	0.36	8.74	3191.57	8.87
Difference in Emissions	0.15	3.43	1250.48	3.47
STORAGE TANK NO. 30004				
Actual Emissions w/Mechanical Shoes and No Secondary Seal and with Fittings Updates Actual Emissions w/Mechanical Shoes and No Secondary Seal	0.507	12.17	4442.05	12.34
Emissions w/Vapor Mounted prior to proposed addition of a secondary seal under Application No. 460457 and No. 373801	0.36	8.74	3191.57	8.87
Difference in Emissions	0.15	3.43	1250.48	3.47
STORAGE TANK NO. 30006				
Actual Emissions w/Mechanical Shoes and No Secondary Seal	0.507	12.17	4442.05	12.34
Emissions w/Vapor Mounted and Wiper Seals (Application No. 460458 and No. 440252)	0.317	7.62	2,780.78	7.72
Net Emissions	0.033	4.55	1661.27	4.62
Difference in Emissions	0.15	3.43	1250.48	3.47

Note: The new Tank 4.09 calculations are in the Attachment A.

REGULATIONS AND RULES ANALYSIS

California Environmental Quality Act (CEQA):

No Formal CEQA Document Is Required. CEQA applies to all applicants who apply with the District for permits for their planned projects that may have significant environmental impacts. If these significant environmental impacts arise, CEQA requires project proponents to perform formal analyses to identify the impacts, propose mitigation measures to minimize them, and formalize the results as a CEQA document for public to review and comment.

To determine if a project needs to meet the CEQA requirements, an applicant must perform a prescreening analysis of its proposed project to determine whether or not that it may have the potential to cause significant environmental impacts. To facilitate this prescreening process, the District currently uses the 400-CEQA form as a tool to determine whether an applicant's project requires the preparation of a formal CEQA document. Based on the Edgington's prescreening results for its tanks, no formal CEQA document is required.

Regulation II: Permits

Rule 212: Standards for Approving Permits

No public notification. The District's Rule 212 specifies the regulatory conditions under which the District can issue applicant's requested permit. These permit conditions are in terms of emission increases, the health risk increases, and the proximity of the emission source to public schools. If the emission source exceeds any of the conditions, before the District can issue the requested permit, the applicant's project needs to go through the public notification process.

The Edgington's requested changes are to correct the seals on its tanks and their fittings. With the exception of ugrading the primary seals of all tanks to mechanical shoes, which is better contriol than the previous primary seal, all the other changes are to correct past fitting inventory errors, not actual modifications. In addition, Edgington does not propose new commodities to store in its tanks. As a consequence, there is no emission increase for each of its tanks. The health risks associated with the storage tanks, therefore, remain unchanged. Furthermore, Edgington's tanks are not located within 1000 feet of a school. Therefore, no public in required before the District can issue the company's requested PO.

Regulation IV: Prohibitions

Rule 401: Visible Emissions

Expect to Comply. The District Rule 401 specifies prohibitions against visible emissions from all emission sources. With proper operation and maintenance, Edgington's storage tanks are expected to comply with this rule's requirement.

Rule 402: Nuisance

Expect to Comply. With proper operation and maintenance, Edgington's storage tanks are expected to comply with this rule's requirements against nuisance.

Rule 463: Organic Liquid Storage

Comply. The District's Rule 463 specifies requirements for storage tanks to decrease their emissions from the storage of organic liquids. The rule requirements only apply if the tank exceeds the rule's capacity and vapor pressure limits. These limits are currently at 39,630 gallons or greater with a vapor pressure of .5 psia or greater, or 19,815 gallons or greater with a vapor pressure of 1.5 psia or greater.

Although all Edgington's storage tanks exceed the 39,630 gallon capacity threshold, only four tanks, No. 12007, No. 12010, No. 30003, No. 30004, and No.30006, are subject to the District's Rule 463 because Edgington uses these tanks to store commodities with a vapor pressure greater than .5 psia. The remaining two storage tanks, No. 6003 and No. 6004, contain liquids below .5 psia which is below Rule 463's threshold.

For internal floating roof storage tanks, the rule requires owners or operators of the tank to install either a single liquid mounted primary seal, or a primary and secondary seal. To comply with these requirements, Edgington installed both a primary and secondary seal on its Tank 12007 and 12010, and single seal on the remain three storage tanks that are subject to Rule 463. The company therefore complies with Rule 463.

In addition to the control requirements, Edgington also needs to comply with the record keeping, inspection and maintenance requirements of Rule 463. To ensure that Edgington complies, the District will impose general permit conditions, C.6.2 and C6.3, that require the company to comply with all applicable requirements of Rule 463. To ensure that Edgington keeps records, the District will impose a permit condition on its 5 tanks that requires Edgington to comply with all applicable requirements of Rule 463. Compliance is therefore expected.

Regulation IX: Standards of Performance for New Stationary Sources (NSPS)

40CFR60, Subpart K: Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973 and Prior to May 19, 1978

Not Applicable. All Edgington's storage tanks were constructed before 1973 Since their construction, Edgington has not modified the tank that would trigger the requirements of Subpar K.

40CFR60, Subpart Ka: Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978 and Prior to July 23, 1984

Not Applicable. All Edgington's tanks have never been modified during the applicability period of Subpart Ka. Therefore, the tanks are not subject to Ka.

40CFR60, Subpart Kb: Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984

Not Applicable. After 1984, Edgington only modified two storage tanks that exceeded the 50% total cost requirement when the company converted two fixed roof tanks to two new internal floating roof storage tanks, No.6303 (D68) and 6304 (D69). However, Edgington does not store liquids with a vapor pressure above the applicability limit of .5 psia. The two tanks are used to store slop oil and water with a maximum vapor pressure of .30 psia, below the threshold limit of Subpart Kb. Therefore, the current Condition H23.1, which requires compliance with Subpart Kb, shall be removed from the permit.

Regulation X: National Emission Standards for Hazardous Air Pollutants (NESHAPS)

40CFR63: Subpart CC: National Emission Standards for Hazardous Air Pollutants (NESHAP) from Petroleum Refineries

Not Applicable. Edgington's toxic emissions for its Long Beach facility are below the applicablility thresholds of Subpart CC.

Regulation XI: Source Specific Standards

Rule 1149: Storage Tank Degassing and Cleaning

Expect to Comply. District's Rule 1149 sets conditions for storage tank degassing and cleaning. These requirements apply to the Edgington Oil Company's seven storage tanks. A check in the District's Compliance Database indicates that the company has never been cited for violating Rule 1149. Furthermore, Rule 1149 requirements are also incorporated as a system condition, S13.3, in Edgington's RECLAIM and draft Title V permit. The company is therefore expected to continue to comply with Rule 1149.

Rule 1176: VOC Emissions from Wastewater Systems

Expect to Comply. Although the Edgington Oil Company's tanks are all storage tanks, two of the tanks, No.6303 and 6304, also serve as oil/water separators. As a consequence, result, the District's Rule 1176 applies to Tank No.6303 and 6304. These two storage tanks currently meet the requirements of this rule: Since the two storage tanks are internal floating roof tanks, both tanks have a permanent cover as required by the rule. In addition, the District has never issued the Edgington Oil Company a NOV for violating Rule 1176. Furthermore, compliance with Rule 1176 is explicitly incorporated as a system condition in the Title V permit. Edgington's continuing compliance with Rule 1176 is therefore expected.

Rule 1178: Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities

The District's Rule 1178 specifies standards for storage tanks to reduce their overall emissions. Whether these requirements apply would depend on the capacity of the storage tank, its type, its content's vapor pressure, and whether the facility's overall emissions are greater than 20 tons per year.

Because the Edgington's refinery emits more than 20 ton per year, and because its tanks store liquids with a vapor pressure greater than .10 psia, the requirements of Rule 1178 apply to all 7 tanks. The following sections present the requirements of the District's Rule 1178 for internal floating roof storage tanks and the tanks' compliance status:

Rule 1178 (d)(3)(C): Other Openings

Rule 1178 (d)(3)(C) requires that tank operators comply with applicable requirements of (d)(1) and (d)(2) for other storage tank openings. The following sections give the applicable requirements and Edgington's compliance status:

Access Hatch

Comply. Rule 1178 requires that access hatch on a tank needs be equipped with a bolted cover that is gasketed. All access hatches are bolted and gasketed.

Vacuum Breaker

Comply. Rule 1178 requires that vacuum breakers on storage tanks are equipped with a gasket. All vacuum breakers on the tanks are gasketed.

Sample Well

Comply. Sample wells must have a sliding cover and gasketed. All the sample wells on the seven tanks are equipped with both.

Automatic Gauge Float Well

Comply. Rule 1178 requires that automatic gauge float wells are equipped with bolted covers and gaskets. All seven tanks is equipped with both.

Roof Drains

Not Applicable. Edgington's tanks are not equipped with large diameter drains. All seven tanks are equipped with stub drains of one inch in diameter.

Guide Pole

Comply. The District's Rule 1178 requires that slotted guide poles are equipped with a float, and gasketed sliding cover. All the seven tanks are equipped with slotted guidepoles and are equipped with floats and gasketed sliding covers.

Roof Legs

Comply. The District's Rule 1178 requires that openings or gaps on roof legs must be covered with impervious VOC socks, or gasketed sliding cover. All seven tanks are equipped with gasketed sliding cover.

Regulation XIII: New Source Review

Do not Apply. Because Edgington submitted its applications to correct errors in its tanks' fitting inventory, and secondary seals that the company never installed or required by District regulations, but the company did upgrade the tanks' primary seals to better controls from category B to A, mechanical shoe. These adjustments are not because of throughput increases or material changes, or from new sources of emissions for each tank. Although by correcting these descriptions on the tanks, the Distritc's NSR system will show an increase in emissions for each tank, because the previous permit for each tank was based on the assumption that secondary seals were installed, the District needs to update the NSR with the correct emission baseline for each tank because the previous permit for each tank was based on the assumption that secondary seals were installed. Therefore, Edgington's storage tanks are not subject to the District's NSR requirements because the tanks have no emission increases that are from modifications.

Regulation XIV: Toxic Air Contaminants

Comply. Edgigton's applications do request a change of service or an increase of throughput for its storage tanks. The applications are to correct fitting inventory and the actual seals installed on each tank. There is no increase in toxic emissions. Therefore, no increase in health risks.

Regulation XVII: Prevention of Significant Deterioration (PSD)-Standard Prepared Statement by the District

Limited Authority/Partial Delegation. On 15 August 2007, EPA granted the District limited delegation for CO, NOx, and SOx. Because there are no increases in CO, NOx, and SOx emissions from the Edgington's storage tanks, there are no requirements that are applicable.

PSD for GHG

No Applicable Requirements. A recent EPA Endangerment Finding for green house gases (GHG) and the promulgation of the Tailoring Rule means that GHG emissions need to be evaluated under PSD for permits issued between January 2nd, 2011 and June 30th, 2011 for

projects at existing PSD or Title V sources in South Coast in according to the phased-in applicability time frame of the Tailoring Rule.

Under the Tailoring Rule, if a project triggers any PSD pollutants, it must also include GHG in the PSD analysis. Because there are no increases in PSD pollutants including GHG from any of the subject Edgington's applications that would require a PSD analysis, a PSD analysis for GHG is therefore not required.

Regulation XX: Regional Clean Air Incentive Market (RECLAIM)

Although Edgington's refinery in Long Beach is a NOx and SOx RECLAIM facility, the seven tanks do not emit any RECLAIM pollutants. As a consequence, there is no applicable RECLAIM requirements that the company needs to meet for its seven tanks.

Regulation XXVII: ClimateChange

Not Applicable. In June of 2010, the District implemented a GHG progam. This program allows companies to voluntarily reduce GHG and exchange for reduction credits. Edgington does not produce any reductions in GHG in its applications and therefore does not qualify or has applied for GHG reduction credits.

Regulation XXX: Title V Permits

Applicable and Comply. Because Edgington has received its final Title V permit, it has to comply with the requirements for facilities that have been issued final facility Title V permits. Under Regulation XXX, there are classifications for revisions to Title V permits. For Edgington, the following revision applies:

- Applicable and Comply. Minor Permit Revision: This type revision is for changes that do not result in any emission increases regulated by Regulation XXX, and hazardous air pollutants and rules, federal and local, and is not for modification or reconstruction. Because the Edgington's applications are for existing sources that are not not being modified and have no increase of pollutants, the changes are, therefore, considered a minor revision of its Title V permit. A draft copy of the permit will, therefore, be sent to the USEPA for a 45-day review as required by Rule 3005 (2)(B)(ii).

RECOMMENDATIONS AND CONDITIONS

The Edgington's proposed changes comply with all applicable District rules and regulations. The District, therefore, recommends that the company receives its requested POs with the following proposed conditions:

PROPOSED CONDITIONS

S13.3 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	District Rule	1176

[RULE 1149, 7-14-1995; RULE 1176, 9-13-1996]

[Systems subject to this condition : Process 3, System 3]

S13.4 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminan	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1149
VOC	District Rule	1178

[**RULE 1149, 7-14-1995;** RULE 1149, 5-2-2008; **RULE 1178, 4-7-2006; RULE 463, 5-6-2005**]

[Systems subject to this condition : Process 5, System 3]

C1.11 The operator shall limit the throughput to no more than 189000 barrel(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as the total combined throughput of slop oil.

The operator shall maintain daily and calendar monthly throughput records.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation: V/H (subscript: a), where V is the volume of the tank in barrels based on the most recent version of the API Standard 2550, H (subscript: t) is the height of the tank based on the tank strapping chart and H (subscript: a) is the total vertical one-way liquid surface level travel in feet month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on daily basis.

The operator shall record the liquid level (in feet) every 24 hours and prior to and after any tank movement. The throughput shall be calculated by reading the strapping table volumes for the respective liquid levels, and then calculating the difference.

or,

Alternatively, an automatic tank level gauge (ATLG) shall be used to measure the liquid surface level movement for either each filling or withdraw operation. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 0.8 percent. the ATLG shall be repaired.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D68, D69]

C1.12 The operator shall limit the throughput to no more than 132000 barrel(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as total combined throughput of naphtha, kerosene, diesel, and gasoil.

The operator shall maintain daily and calendar monthly throughput records.

The operator shall comply with the following throughput measurement practices.
The operator shall calculate the throughput, in barrels, by the following equation: V/H (subscript: a), where V is the volume of the tank in barrels based on the most recent version of the API Standard 2550, H (subscript: t) is the height of the tank based on

the tank strapping chart and H (subscript: a) is the total vertical one-way liquid surface level travel in feet month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on daily basis.

The operator shall record the liquid level (in feet) every 24 hours and prior to and after any tank movement. The throughput shall be calculated by reading the strapping table volumes for the respective liquid levels, and then calculating the difference.

or,

Alternatively, an automatic tank level gauge (ATLG) shall be used to measure the liquid surface level movement for either each filling or withdraw operation. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 0.8 percent. the ATLG shall be repaired.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D158, D161]

C1.13 The operator shall limit the throughput to no more than 330000 in any one calendar month.

For the purpose of this condition, throughput shall be defined as the total combined throughput of crude oil.

The operator shall maintain daily and calendar monthly throughput records.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation: V/H (subscript: a), where V is the volume of the tank in barrels based on the most recent version of the API Standard 2550, H (subscript: t) is the height of the tank based on the tank strapping chart and H (subscript: a) is the total vertical one-way liquid surface level travel in feet month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on daily basis.

The operator shall record the liquid level (in feet) every 24 hours and prior to and after any tank movement. The throughput shall be calculated by reading the strapping table volumes for the respective liquid levels, and then calculating the difference.

or,

Alternatively, an automatic tank level gauge (ATLG) shall be used to measure the liquid surface level movement for either each filling or withdraw operation. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 0.8 percent. the ATLG shall be repaired.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D164, D165, D166]

C6.2 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 30 percent of the Lower Explosive Limit.

The operator shall use a lower explosive meter to monitor the hydrocarbon concentration.

[RULE 463, 3-11-1994; RULE 463, 5-6-2005]

[Devices subject to this condition: D68, D69, D156, D160, D168, D272]

C6.3 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 50 percent of the Lower Explosive Limit.

The operator shall use a lower explosive meter to monitor the hydrocarbon concentration.

[RULE 463, 3-11-1994; RULE 463, 5-6-2005]

[Devices subject to this condition: D157, D158, D159, D161, D164, D165, D166, D167]

~~H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:~~

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, Subpart	Kb

~~[40CFR 60 Subpart Kb, 10-15-2003]~~

~~[Devices subject to this condition : D68, D69]~~

Reason: Subpart Kb does not apply because the two tanks are limited to storing contents with a vapor pressure below the Subpart Kb's applicability limit.

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput and vapor pressure of stored liquid

This condition shall become effective when the initial Title V permit is issued to the facility.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 3-11-1994]

[Devices subject to this condition : D68, D69, D126, D127, D128, D129, D130, D131, D132, D133, D134, D135, D136, D137, D138, D139, D140, D141, D142, D143, D144, D145, D146, D147, D148, D149, D150, D151, D152, D153, D154, D155, D156, D157, D158, D159, D160, D161, D162, D163, D164, D165, D166, D167, D169, D170, D171, D172, D173, D272]