

May-16							COMMENTS
Monthly Total Water Meter Readings							
Lease	3/31/2016	4/30/2016	5/1/2016	Total BBLs	Daily	Deviation	
Douglas/Moore	458950	469454	480087	10633	343	1.23%	
Mills/Nard/H&M/Indian	193221	216024	235628	19604	632	-14.03%	
Dutcher/Rose	833595	890905	951004	60099	1939	4.87%	
H & L Duncan	503158	521418	539881	18463	596	1.11%	
Wellington	1281699	1309676	1332945	23269	751	-16.83%	
Foster	302135	7872	30064	22192	716	-107.54%	Meter Malfunction
Barnes Bush	629071	644844	660856	16012	517	1.52%	
Beesemeyer	268212	268212	268212	0	0	#DIV/0!	
Taylor	632859	654334	676567	22233	717	3.53%	
Kirkpatrick	64450	83947	104203	20256	653	3.89%	
Acme	459231	485871	513952	28081	906	5.41%	
RC3	707276	730016	757285	27269	880	19.92%	
Grayfox	13378	13378	13378	0	0	#DIV/0!	
Darby	784866	819504	854313	34809	1123	0.49%	
Whitney/Marine	172556	197184	226075	28891	932	17.31%	
Robinson Crosswell	399311	431603	465958	34355	1108	6.39%	
Nakamura	491073	498363	504895	6532	211	-10.40%	
Schilling/Dunlap	140083	164995	182106	17111	552	-31.31%	Well was down
McBo #7/Guzman	919085	919085	919085	0	0	#DIV/0!	
Allied	43896	61290	82474	21184	683	21.79%	
Pauley	234054	258566	281509	22943	740	-6.40%	
Del Mar	81725	11841	43410	31569	1018	-145.17%	Well was Down
Hass	60295	68621	77085	8464	273	1.66%	
Pierce/Lightburn	143647	147753	152970	5217	168	27.06%	
Virginia/Georgia/Hoyt	219718	239683	258039	18356	592	-8.06%	
Fee #2	613360	613360	613360	0	0	#DIV/0!	
Sunnyside	983894	25536	60318	34782	1122	-103.63%	
Ruchti/McEvoy	512648	512855	525189	12334	398	5858.45%	Well return to production
Rosamond	308161	316098	323736	7638	246	-3.77%	
Old Field	158575	167535	176086	8551	276	-4.56%	
Legion/Commercial	483253	510253	515379	5126	165	-81.01%	Well Down
Ella	194528	205563	216561	10998	355	-0.34%	
Mitchwill Duncan	Off production						
SHP Total Flows							
WC6 to SHP	303767	320315	337881	17566	586	6.15%	
Blum To SHP	272106	290841	310380	19539	651	4.29%	
SHP to Oil Ops (A)	15819630	16107214	16412232	305018	10167	6.06%	
Unicels and Metered Clarifiers							
Lemon Facility to Sewer	1045779	1049540	1054656	121810	4060	36.03%	
Patterson Facility to Sewer	139908	143007	146239	76952	2565	4.29%	
Butler Facility to XY	4219327	4248331	4277743	700286	23343	1.41%	
Butler Facility to Sewer	101134	101134	101134	0	0		
Fulton McKee	1272961	1283238	1292356	21710	724		
WC6 to Sewer	362030	362030	362119	2119	71		
Blum To Sewer	15605	15605	15620	357	12		
Intake	Total BBLs From Leases			576,971			
	From SHP			305,018			
	Grand Total			881,989			
Effluent	Total BBLs to XY			700,286			
	Total BBLs to Sewer			198,762			
	Grand Total			899,048			



Oil Operators Inc.

Oil Operators Inc
(562) 988-3534
(562) 989-2114
oiloperators@gmail.com

Subject: LARWQCB - Correction in Discharge Permit Numbers

George;

In preparation of giving you the information for our water disposal permits and rates, I inadvertently gave you the AQMD permit roster rather than the LACSD permit roster. I have attached the correct permit numbers for each discharge facility. I have also attached the list of AQMD permits with the permit numbers I submitted to you. Please resubmit the correct permit numbers to the Water Board.

Note: Below is a list of operators that discharge their water into the Oil Operator system

Oil Operator Inc. Membership	
Graner Oil Company	Allen Co.
Signal Hill Petroleum	TJ Investments
S&C Oil Company	California Resources Inc.
E&B Resources	Michwell Investments
Termo Inc	John Richardson Co
Axis Petroleum	Old Field
Guzman Oil	Longview Oil
Herley Company	Kahn Oil

Sincerely,

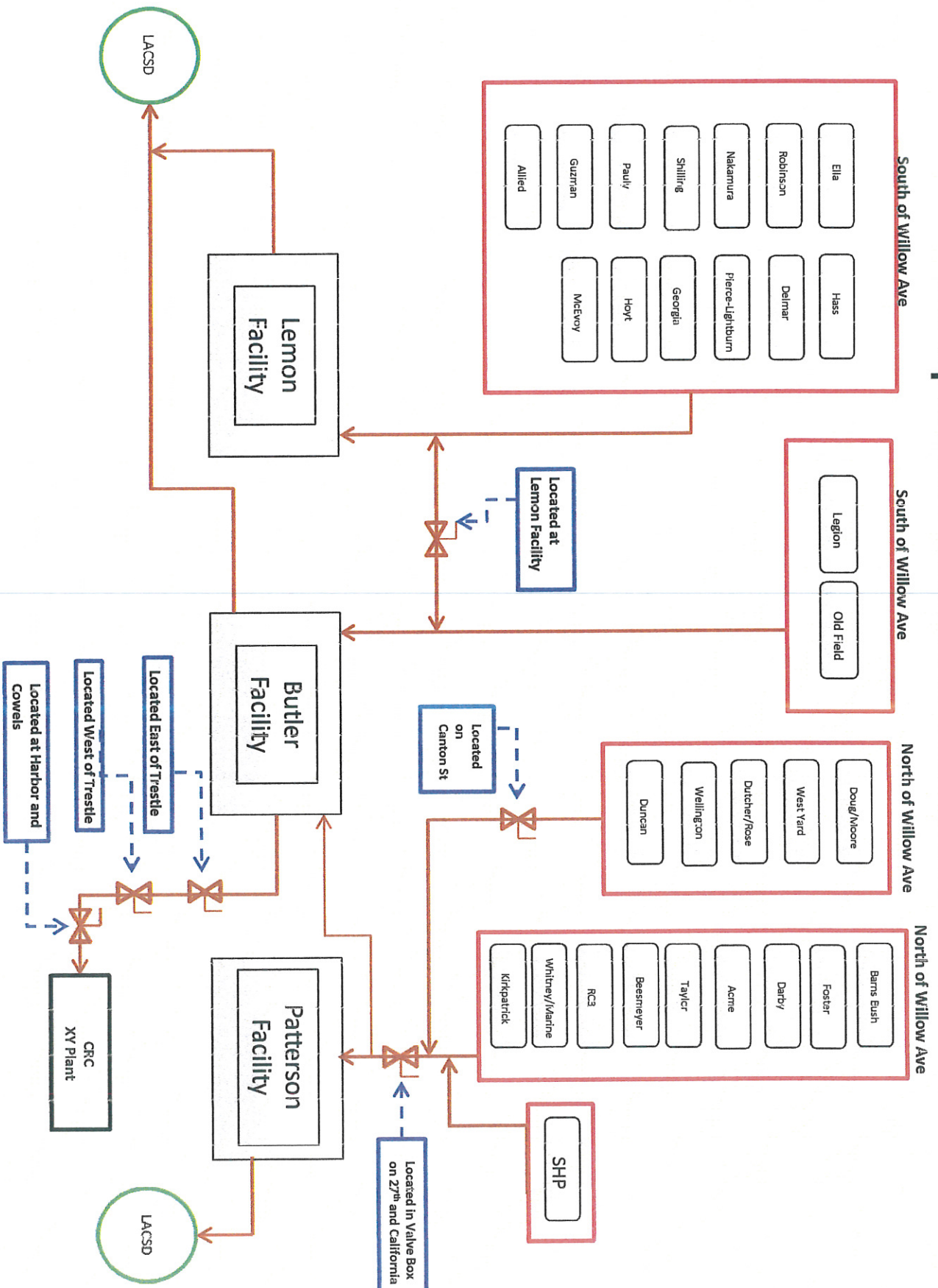
James Stine
Operations Manager

Oil Operators Inc
 2852 Gundry Ave Signal Hill, CA
 LACSD Waste Water Discharge Facility List

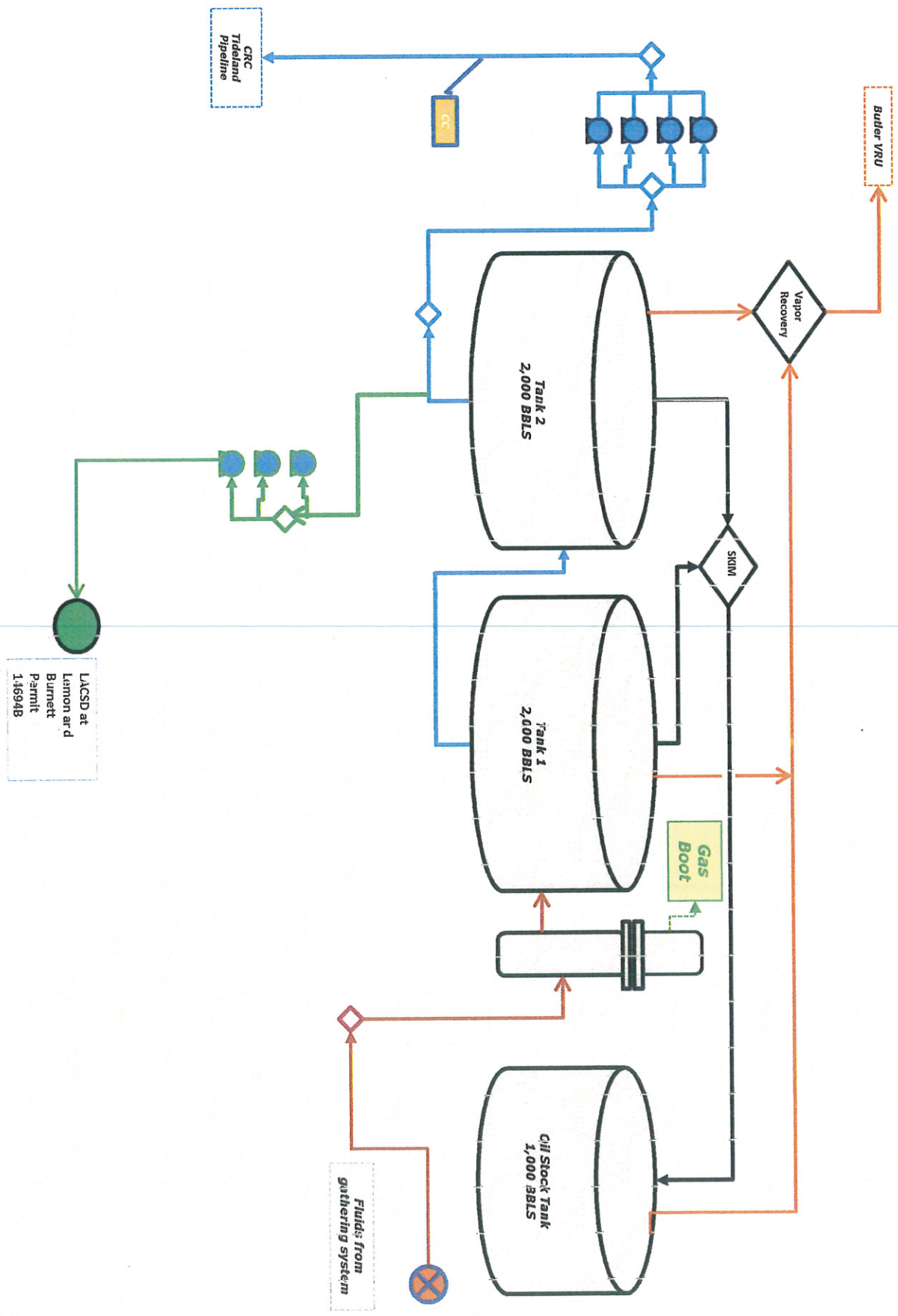
2015. ✓ *water.*

Lease Owner	Address	Facility Name	LACSD Permit	Annual Discharge Rates (BBL's)
Axis Petroleum	2051 Temple Ave Signal Hill, CA	WCG6 <i>water</i>	15206	10,238
Graner	3280 California Ave Signal Hill, CA	Italo Community	14662	22,857
Graner	3310 Pasadena Ave Long Beach, CA	Eureka	15180	81,905
Graner	3115 Long Beach Blv Long Beach, CA	Big Bear	21605	10,952
Oil Operators	2624 Myrtle Ave Signal Hill, CA	Butler - <i>Wilmington.</i>	14694B	0
Oil Operators	2550 Lewis Ave Signal Hill, CA	Lemon	14694A	2,920,000
Oil Operators	2700 Olive St Signal Hill, CA	Patterson	14693	1,533,000
P&M Oil Company	3380 Pacific Ave Long Beach, CA	Johnson	14843	5,714
S&C Oil Co.	3560 Lotus Ave Long Beach, CA	Bell	15177	56,249
Signal Hill Petroleum	225 E. Pepper Dr Long Beach, CA	Fulton McKee	15181	295,238
Termo	2011 Temple Ave Signal Hill, CA	Blum	15204	476
Termo	3750 E. Wilton St Long Beach, CA	Weber	14792	26,905
Termo	3241 Elm Ave Long Beach, CA	Gallagher	21275	54,750
Termo	640 E. 35th St. Long Beach, CA	Olive Community	15175	44,048
TJ Investments	3339 Linden Ave Long Beach, CA	TJ Fee	15176	15,714
Total			5,078,046	

Oil Operators Inc. Flow Schematic



Oil Operators Inc. | Butler Facility
Process Flow Diagram
2624 Myrtle Ave Signal Hill, CA



LACSD at
 Lemon and
 Burnett
 Permit
 14694B

Fluids from
 gathering system

CRC
 Tideland
 Pipeline

Butler VRU

Vapor
 Recovery

SKIM

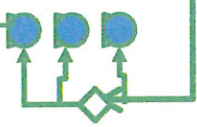
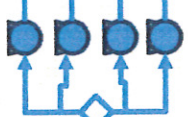
Gas
 Boot

Tank 2
 2,000 BBLs

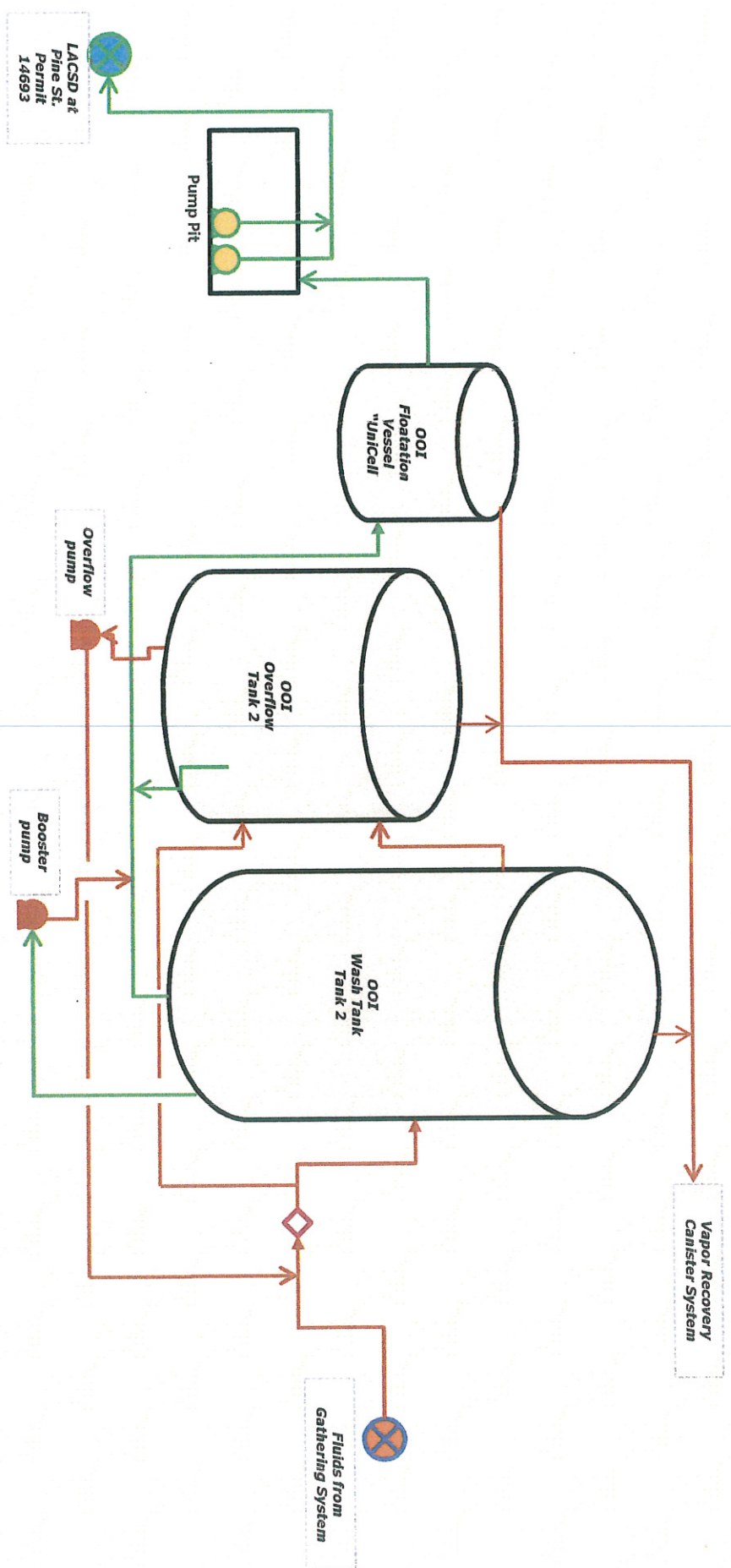
Tank 1
 2,000 BBLs

Oil Stock Tank
 1,000 BBLs

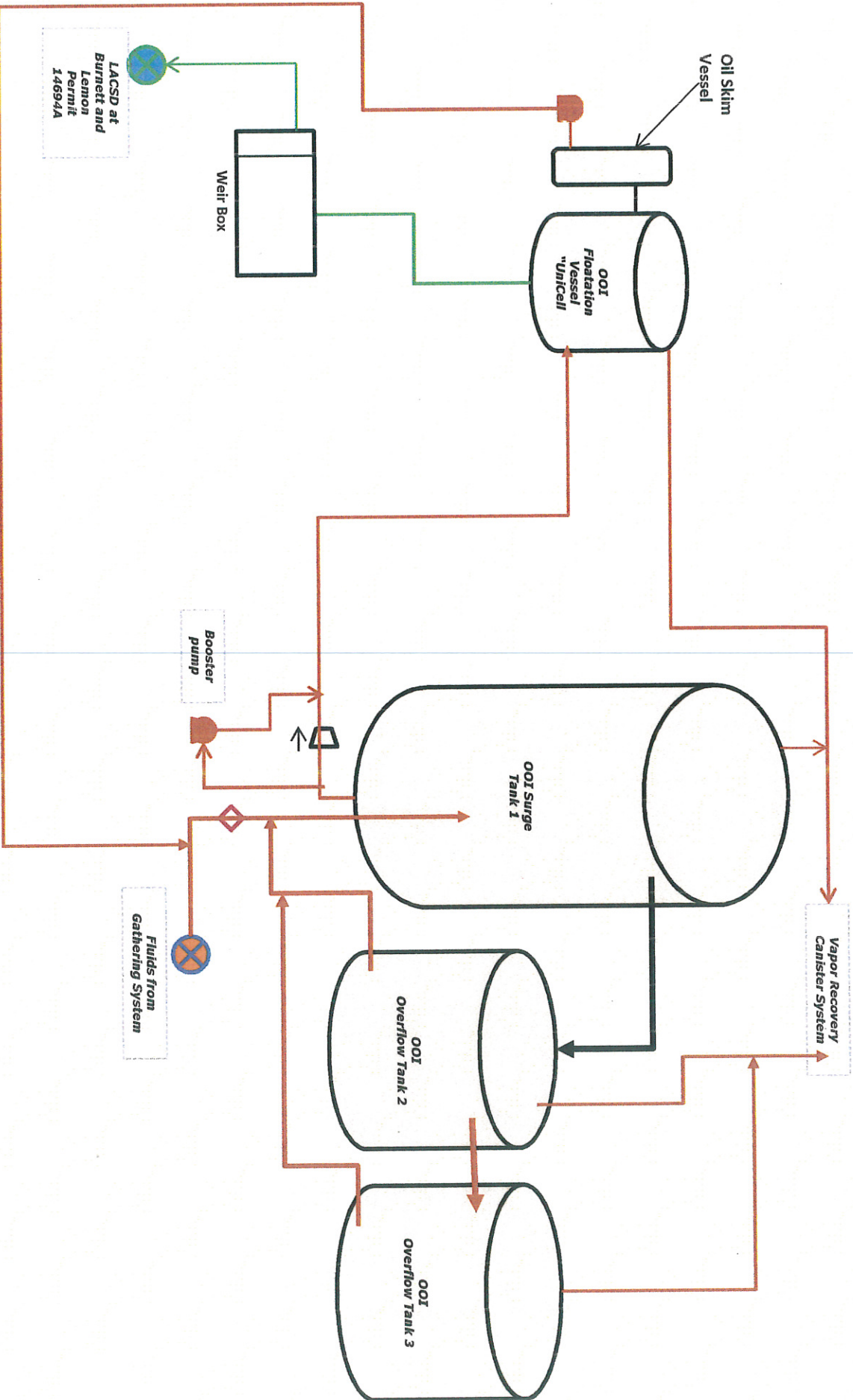
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Oil Operators Inc. | Patterson Facility
Process Flow Diagram
2700 Olive St Signal Hill, CA



Oil Operators Inc. | Lemon Facility
Process Flow Diagram
2550 Lewis Ave Signal Hill, CA



SECTION 4: Sample Point Information

Name	Description	Location Status	Location Type	Location Category
014694A	The sample box located downstream of the water floatation unit at the Lewis Avenue Lemon Unicell site.	Active-IW-Permit Required	Final Effluent	Noncategorical Significant
Point of Connection to Sewer: The Districts' Signal Hill Outfall south of the intersection of Nevada Avenue and Lemon Avenue. Physical Location: 2550 LEWIS Avenue Signal Hill, CA 90806				
014694B	The side stream sample box located on the north side of the property at the Butler Tank Farm on Myrtle Ave.	Proposed	Final Effluent	Noncategorical Significant
Point of Connection to Sewer: The Districts' Signal Hill Outfall south of the intersection of Nevada Avenue and Lemon Avenue. Physical Location: 2624 Myrtle Avenue Signal Hill, CA 90755				

SECTION 5: Monitoring Requirements

Sample Location: 014694A (The sample box located downstream of the water floatation unit at the Lewis Avenue Lemon Unicell site.)			
SMR Requirement	Frequency	Sample Method	Units
Benzene	Semiannually	Grab	mg/L
COD, Total	Semiannually	Composite	mg/L
Flash Point	Semiannually	Grab	Deg. C
Oil & Grease	Semiannually	Grab	mg/L
pH	Semiannually	Grab	S.U.
Solids, Suspended	Semiannually	Composite	mg/L
Sulfide, Soluble	Semiannually	Grab	mg/L
Beginning date of next required SMR reporting period: January 1, 2008			
Sample Location: 014694B (The side stream sample box located on the north side of the property at the Butler Tank Farm on Myrtle Ave.)			
SMR Requirement	Frequency	Sample Method	Units
Benzene	Semiannually	Grab	mg/L
COD, Total	Semiannually	Composite	mg/L
Flash Point	Semiannually	Grab	Deg. C
Oil & Grease	Semiannually	Grab	mg/L
pH	Semiannually	Grab	S.U.
Solids, Suspended	Semiannually	Composite	mg/L
Sulfide, Soluble	Semiannually	Grab	mg/L
Beginning date of next required SMR reporting period: January 1, 2008			

SECTION 6: Substance Limits

Sample Location: 014694B (The side stream sample box located on the north side of the property at the Butler Tank Farm on Myrtle Ave.)						
Substance Name	Regulation	Sample Method	At Any Time Max	At Any Time Min	Daily Avg Max	Average Limit
pH	Federal	Composite		5.0 S.U.		
pH	Federal	Grab		5.0 S.U.		
pH	Local	Composite		6.0 S.U.		
pH	Local	Grab		6.0 S.U.		
Flash Point	Federal	Composite		60 Deg. C		
Flash Point	Federal	Grab		60 Deg. C		
Flash Point	Local	Composite		60 Deg. C		
Flash Point	Local	Grab		60 Deg. C		
Temperature	Local	Grab	140 Deg. F			
Solids, Suspended						
Cyanide	Local	Composite	10 mg/L			
Cyanide	Local	Grab	10 mg/L			
Sulfide, Soluble	Local	Grab	.1 mg/L			
COD, Total						
Oil & Grease	Local	Composite	75 mg/L			
Oil & Grease	Local	Grab	75 mg/L			
Total Detectable DDT	Local	Composite	0 ug/L			
Total Detectable DDT	Local	Grab	0 ug/L			
Aldrin	Local	Composite	0 ug/L			
Aldrin	Local	Grab	0 ug/L			
Dieldrin	Local	Composite	0 ug/L			
Dieldrin	Local	Grab	0 ug/L			
Endrin	Local	Composite	0 ug/L			
Endrin	Local	Grab	0 ug/L			
Toxaphene	Local	Composite	0 ug/L			
Toxaphene	Local	Grab	0 ug/L			
Total Detectable PCBs	Local	Composite	0 ug/L			
Total Detectable PCBs	Local	Grab	0 ug/L			
Total HCH	Local	Composite	0 ug/L			
Total HCH	Local	Grab	0 ug/L			
Total Detected Chlordanes	Local	Composite	0 ug/L			
Total Detected Chlordanes	Local	Grab	0 ug/L			
Benzene						
Arsenic, Total	Local	Composite	3 mg/L			
Arsenic, Total	Local	Grab	3 mg/L			
Cadmium, Total	Local	Composite	15 mg/L			
Cadmium, Total	Local	Grab	15 mg/L			
Chromium, Total	Local	Composite	10 mg/L			
Chromium, Total	Local	Grab	10 mg/L			
Copper, Total	Local	Composite	15 mg/L			
Copper, Total	Local	Grab	15 mg/L			
Lead, Total	Local	Composite	40 mg/L			
Lead, Total	Local	Grab	40 mg/L			
Mercury, Total	Local	Composite	2 mg/L			
Mercury, Total	Local	Grab	2 mg/L			
Nickel, Total	Local	Composite	12 mg/L			
Nickel, Total	Local	Grab	12 mg/L			
Silver, Total	Local	Composite	5 mg/L			
Silver, Total	Local	Grab	5 mg/L			
Zinc, Total	Local	Composite	25 mg/L			

Substance Name	Regulation	Sample Method	At Any Time Max	At Any Time Min	Daily Avg Max	Average Limit
Zinc, Total	Local	Grab	25 mg/L			
Sample Location: 014694A (The sample box located downstream of the water floatation unit at the Lewis Avenue Lemon Unicell site.)						
pH	Federal	Composite		5.0 S.U.		
pH	Federal	Grab		5.0 S.U.		
pH	Local	Composite		6.0 S.U.		
pH	Local	Grab		6.0 S.U.		
Flash Point	Federal	Composite		60 Deg. C		
Flash Point	Federal	Grab		60 Deg. C		
Flash Point	Local	Composite		60 Deg. C		
Flash Point	Local	Grab		60 Deg. C		
Temperature	Local	Grab	140 Deg. F			
Solids, Suspended						
Cyanide	Local	Composite	10 mg/L			
Cyanide	Local	Grab	10 mg/L			
Sulfide, Soluble	Local	Grab	.1 mg/L			
COD, Total						
Oil & Grease	Local	Composite	75 mg/L			
Oil & Grease	Local	Grab	75 mg/L			
Total Detectable DDT	Local	Composite	0 ug/L			
Total Detectable DDT	Local	Grab	0 ug/L			
Aldrin	Local	Composite	0 ug/L			
Aldrin	Local	Grab	0 ug/L			
Dieldrin	Local	Composite	0 ug/L			
Dieldrin	Local	Grab	0 ug/L			
Endrin	Local	Composite	0 ug/L			
Endrin	Local	Grab	0 ug/L			
Toxaphene	Local	Composite	0 ug/L			
Toxaphene	Local	Grab	0 ug/L			
Total Detectable PCBs	Local	Composite	0 ug/L			
Total Detectable PCBs	Local	Grab	0 ug/L			
Total HCH	Local	Composite	0 ug/L			
Total HCH	Local	Grab	0 ug/L			
Total Detected Chlordanes	Local	Composite	0 ug/L			
Total Detected Chlordanes	Local	Grab	0 ug/L			
Benzene						
Arsenic, Total	Local	Composite	3 mg/L			
Arsenic, Total	Local	Grab	3 mg/L			
Cadmium, Total	Local	Composite	15 mg/L			
Cadmium, Total	Local	Grab	15 mg/L			
Chromium, Total	Local	Composite	10 mg/L			
Chromium, Total	Local	Grab	10 mg/L			
Copper, Total	Local	Composite	15 mg/L			
Copper, Total	Local	Grab	15 mg/L			
Lead, Total	Local	Composite	40 mg/L			
Lead, Total	Local	Grab	40 mg/L			
Mercury, Total	Local	Composite	2 mg/L			
Mercury, Total	Local	Grab	2 mg/L			
Nickel, Total	Local	Composite	12 mg/L			
Nickel, Total	Local	Grab	12 mg/L			
Silver, Total	Local	Composite	5 mg/L			
Silver, Total	Local	Grab	5 mg/L			

Zinc, Total	Local	Composite	25 mg/L		
Zinc, Total	Local	Grab	25 mg/L		

SECTION 7: Flow Limits

Sample Location: 014694A (The sample box located downstream of the water floatation unit at the Lewis Avenue Lemon Unicell site.)					
Limit Type	Flow Data Type	Start Time	End Time	Flow Limit Value	Flow Units
Daily Average Flow Limit	Average			693000	GPD
5-minute Peak Flow Limit	Maximum			906	gpm

Sample Location: 014694B (The side stream sample box located on the north side of the property at the Butler Tank Farm on Myrtle Ave.)					
Limit Type	Flow Data Type	Start Time	End Time	Flow Limit Value	Flow Units
Daily Average Flow Limit	Average			693000	GPD
5-minute Peak Flow Limit	Maximum			906	GPM

SECTION 8: Pretreatment Equipment/Process

Pretreatment Process Name: Brine Water Sep. 014694B	
Equipment Name	Equipment Type
Wash Tanks (2)	Pretreatment
Chemical Addition	Pretreatment
Pretreatment Process Name: Effluent Monitoring 014694B	
Equipment Name	Equipment Type
Sample Box	Pretreatment
6" Magnetic Flow Meter	Magnetic Meter
CGMS	Pretreatment
Pretreatment Process Name: Effluent Monitoring 014694A	
Equipment Name	Equipment Type
V-notch Weir	FLOW
CGMS	Pretreatment
Pretreatment Process Name: Brine Water Sep. 014694A	
Equipment Name	Equipment Type
Unicell DAF	Pretreatment

SECTION 9: Program Requirements

Program Name	Status	Due Date	Approved Date	Plan Name
Combustible Gas System	Approved			Combustible Gas System
Flow Meter	Approved			Effluent Flow Meter
Rainwater	Approved			Rainwater