



U.S. Department
of Transportation
**Federal Aviation
Administration**

ALCO
HAZMAT

94 JUN -6 PM 4: 31

June 1, 1994

Mr. Barney M. Chan
Alameda County Health Care
Services Agency
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Chan:

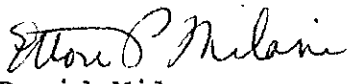
Attached is the underground fuel storage tank integrity test results. This tank is located at the Oakland Airport South Tower, #1 Airport Drive. Also attached is the inventory reconciliation records for the last twelve months.

The next tank integrity test is scheduled for June 23, 1994. The results of the test will be made available at that time.

This fuel tank is scheduled to be removed and a new above ground fuel tank will be installed. The project is contracted with the Army Corps of Engineers. The scope of the work includes all engineering permits, coordination and regulatory compliance testing reports. Engineering of the project is about 90% complete.

If you have any questions, please call Alex Gulyas at (510) 784-8513.

Sincerely,

for 
David Miles
Manager, Golden Gate Airway
Facilities Sector

cc:
Ms. Patricia Murphy
Port of Oakland
530 Water Street
Oakland, CA 94607

Attachments



Edward Warren: First American Aloft

EARTH SCIENCE TECHNOLOGY

TEST CERTIFICATE

TANK OWNER Federal Aviation Administration
CONTACT PERSON Alex Gulyas
ADDRESS 21615 Hesperian Blvd. Suite A
CITY, STATE Hayward, CA 94541
TELEPHONE (510) 784-8513
TANK ADDRESS ATCT OAK (S)
CITY, STATE Oakland, CA
TEST METHOD Horner EZY Chek 1
TEST DATE 4-8-94

TANK	CAPACITY	PRODUCT	TANK RESULT	LINE RESULT	LEAK DETECTOR
<u>ATCT OAK</u>	<u>2,000</u>	<u>Diesel</u>	<u>Pass</u>	<u>NA</u>	<u>NA</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
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Remarks This is to certify that the above tank and associated piping system is right and meets the criteria established by the NFPA Pamphlet 329.

Approval I.J. Moriarty Signature *Dubrie Tom + Sam*

TECHNICAL PERFORMANCE RECORD

ENGINE GENERATOR

P. 002/002

FACILITY (ATO, FSS, ARTCC, VOR, LOC, ETC.)
 LOCATION DAVID HILL (CITY, STATE, AIRPORT, OTHER) CAH.
 DATES FROM 9-24-93 TO _____
 SUPERVISOR'S SIGNATURE _____
 EQUIPMENT (KVA) _____ (MFGER) _____ CONTRACT NO. _____

DATE	TIME	FUEL STORAGE LEVEL*	CRANKCASE OIL USED*	COOLANT USED*	ENG. BLOCK TEMP (STANDBY)**	COOLANT TEMP (OPERATING)**	BATTERY CRANKING VOLTAGE*	STARTING TEMP*	OIL PRESSURE (OPERATING)*	OUTPUT VOLTAGE*	OUTPUT FREQUENCY*	OUTPUT CURRENT*	HOURS OF OPERATION	PB RELAYS*						*REQ. SENSING RELAY		REMARKS *RECORD VALUES **CHECK WHEN NORMAL	INITIALS									
														PICK UP VOLTS %				DROP OUT VOLTS %		OVER	UNDER											
														PK1	PK2	PK3	PEA	PB1	PB2					PB3								
		NOMINAL										32																				
		Full New																														
9-24-93	-6				100	185			250	52	480	60	30	6.1																		
10-27-93	-6				100	180			250	51	480	60	30	7.1																		
11-20-93	-7.5				100	180			250	51	480	60	30	8.2																		
12-7-93	-8				100	180			250	51	480	60	30	9.2																		
1-20-94	-8				100	180			250	51	480	60	36	10.5																		
2-24-94	-9				100	180			250	51	480	60	30	11.5																		
3/30/94	-9				100	180			250	51	480	60	12	12.5																		
4/12/94	Full				100	180			250	51	480	60	12	14.5																		
5/20/94	Full				100	180			250	51	480	60	13	15.6																		

05-31-1994 14:42

CLIENT/SITE Golden Gate Sector PHA
 ADDRESS West Gate WAK Gasport

EARTH SCIENCE TECHNOLOGY DATA CHART FOR TANK SYSTEM TIGHTNESS TEST

PRODUCT LINE TESTING

Time (Military)	PRODUCT MONITORING ON LL		Product + Gain - Loss
	Start	End	
			.003
			.003
			.003

TEST

PRODUCT LINE TESTING

Time (Military)	PRODUCT MONITORING ON LL		Product + Gain - Loss
	Start	End	
			.003
			.003
			.003

MONITOR

Time (Military)	Product Monitoring on LLR				Product + Gain - Loss	Temperature Compensation A				+ Expansion - Contraction	Temperature Compensation B				Net Vol. Change	
	Start	End	+ Gain - Loss	Temperature		Start	End	+ Gain - Loss	Temperature		Start	End	+ Gain - Loss	Temperature	+ Expansion - Contraction	LLR
2:00	16	16	U	0017	U	057	057	U	0003	U					U	U
	16	16	U		U	057	058	001		0009					-	0009
	16	16	U		U	058	058	U		U					U	U
	16	16	U		U	058	059	001		0009					-	0009
	16	16	U		U	059	059	U		U					U	U
	16	16	U		U	059	059	U		U					U	U
	16	16	U		U	059	059	U		U					U	U
	74	74	U		U	059	059	U		U					U	U
	74	74	U		U	059	060	001		0009					-	0009
	74	74	U		U	060	060	U		U					U	U
	74	74	U		U	060	060	U		U					U	U
	74	74	U		U	060	060	U		U					U	U

MONITOR RESULTS Leakage Indicated 0027 Standard Deviation 1002

Time (Military)	Product Monitoring on LLR				Product + Gain - Loss	Temperature Compensation A				+ Expansion - Contraction	Temperature Compensation B				Net Vol. Change	
	Start	End	+ Gain - Loss	Temperature		Start	End	+ Gain - Loss	Temperature		Start	End	+ Gain - Loss	Temperature	+ Expansion - Contraction	LLR
	74	74	U	0017	U	060	060	U	0003	U					U	U
	74	74	U		U	060	060	U		U					U	U
	74	74	U		U	060	060	001		0009					-	0009
	74	74	U		U	060	060	U		U					-	0007
	74	71	-3		-0009					U					-	0009
	71	71	U		U					0009					-	0009
	71	71	U		U					U					U	U
	71	71	U		U					U					U	U
	72	72	U		U					U					U	U
	72	72	U		U					U					-	0008
	72	72	-1		-0011					U					U	0008
	72	72	U		U					U					U	U

TEST RESULTS Leakage Indicated 0050 Standard Deviation 1002

TEST CALIBRATION			
BEGIN	15	TO	45 = 28
	15	TO	45 = 28
	15	TO	45 = 28
END		TO	=
		TO	=
		TO	=

MEASURED SPECIFIC GRAVITY _____
 PRODUCT TEMPERATURE _____
 API SPECIFIC GRAVITY @ 60°F _____
 COEFFICIENT OF EXPANSION _____

Tank No. 5
 Tight OK
 Leakage Indicated 0050
 Technician D. J. [Signature]
 Date Tested 4.8.93

Calibration Rod 05 - 28 lines = 0017 FACTOR A

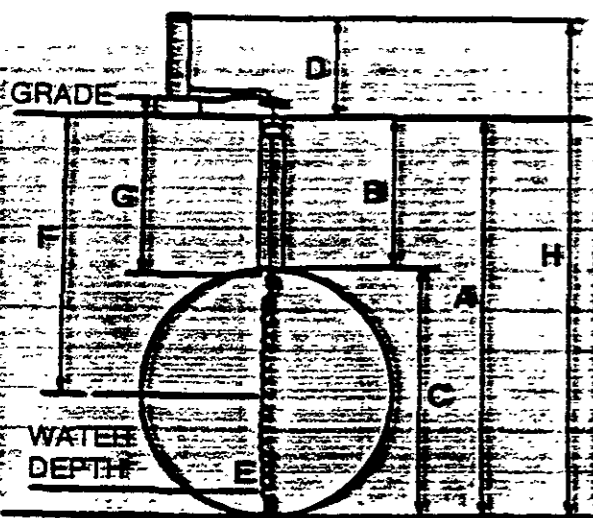
Size of Tank 203 x Coefficient of Expansion 0.0008 = 0002 FACTOR B

CLIENT:

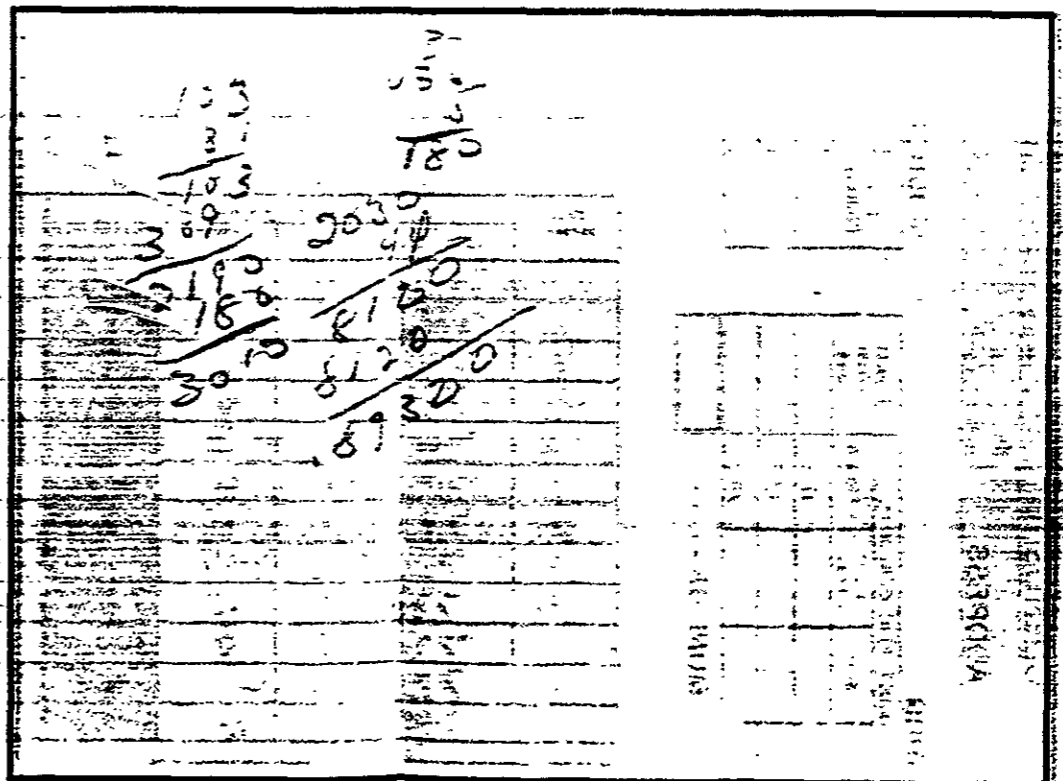
OWNER OR DEALER FAA Golden Gate Section
ADDRESS (NO. & STREET) Solite Tower ATCT OAK
CITY AND STATE San Jose, CA

DATE OF TEST 4-2-94
WEATHER Partly
TEMPERATURE _____

TANK INFORMATION: TANK NO. 5 OF 5 STATE/COUNTY/ETC. I.D. NO. _____
CAPACITY (NOMINAL) 2000 GALS. SIZE OF TEST OPENING 3
CAPACITY (CHART) 2030 GALS. TOP OFF TIME 4-7-94 CONTENTS Diesel
DIMENSIONS: DIAMETER 48 IN. GALLONS 50 TANK MATERIALS Steel
LENGTH _____ GALLONS TO START TEST 1 APPROXIMATE AGE _____
PUMP SYSTEM (TYPE) _____



A. Tank Bot. to Grade	<u>65</u>
B. Tank Top to Grade	<u>20</u>
C. Tank Diameter	<u>48</u>
D. Test Level Above Grade	<u>35</u>
E. Depth of Water in Tank	<u>0</u>
F. Depth for Taking Samples	<u>44</u>
G. Temp. Probe Depth (connector)	<u>59</u>
H. Test Level to Tank Bottom	<u>103</u>
I. Ground Water (height on tank)	<u>5</u>
J. Product Pressure per 1" Height	<u>0.37</u>
$103 \times 0.036 - (5 \times 0.036) = 3.018$	
NET TEST PRESSURE	



NOTES:

LAYOUT CHART SYMBOLS:

- T - TANK NUMBER
- ⊕ - TEST OPENING
- - DISPENSER
- ⊠ - TURBINE
- X - LINE TEST ATTACHED
- M - MANIFOLD
- ⊞ - EMERGENCY SHUT-OFF
- ⊕ - VENT PIPE
- U - UNLEADED
- S - PREMIUM
- R - REGULAR
- D - DIESEL
- WO - WASTE OIL
- N - NEW OIL
- X - OTHER (SPEC)