GOODFELLOW BROS., INC. —GENERAL CONTRACTOR—

ABC-7046

Friday 1-14-11 = 2.283 MGal
Sat 1-15-11 = 1.8000 MGal
Sun 1-16-11 = N/A
4.083 Mgal

6705 Waimanalo Gulch Landfill

PUMP LOG

Total of 13.9 Million gallons

Enclosed 8" Pump

1026

Pumping commenced into HOBAS manhole on 1/13 at 7:00 pm
Pumping ceased on 1/16 at 10:00 am

P.O. BOX 970358 ■ WAIPAHU, HI 96797 ■ PHONE: (808) 676-1523 ■ FAX: (808) 676-2902 ■ WWW.GOODFELLOWBROS.COM

8" Enclosed
8" Pump

6705 Waimanalo Gulch Landfill - PUMP LOG

Friday
1-14-11

PUMP NO: 1026 DATE: ~~[illegible]~~

		Start	Stop	RPM	Suction Head	Discharge Head	Suction Length	Discharge Length	Efficiency
Timo	1	7:00pm	5:00am	1500	17	-20	50	70	
gw	2	500am	9:30am	1500	25	-20	50	70	
	3	9:30am	3:30pm	Reset	Pumps	NO	PUMPING		
Timo	4	330pm	500pm	1675	25	-20	50	70'	
	5	700 pm	800pm	1750	10'	-8	40'	70'	
	6	1000	1115	1750	10'	-8	40'	70'	
	7	UNABLE TO		RESET	TO REACH	WATER			
	8								
	9	HRS	TDH	RPM	GPM	Gal			
1	10	10hrs	41	1500	2050	1,230,000			
2	11	4.5hrs	49	1500	1750	472,500			
1	12	1.5	49	1675	2400	216,000			
	13	1	32	1750	2700	162,000			
	14	1.25	32	1750	2700	202,500			
	15					2,283,000			
	16								
	17								

WMH002829

Sat

6705 Waimanalo Gulch Landfill - PUMP LOG

PUMP NO: _____ DATE: 1-15-11

	Start	Stop	RPM	Suction Head	Discharge Head	Suction Length	Discharge Length	Efficiency
1								
2	11:00am	11:00pm	1700	15	+5	40	100	
3		1100pm	LOST	PRIME	Sucking	AIR	DID NOT	RESET
4								
5	~~Pump used as Standby remaining time~~							
6								
7	HRS	TDH	RPM	GPM	GAL			
8	12 hrs	48'	1700	2500	1,800,000			
9								
10								
11								
12								
13								
14								
15								
16								
17								

TMO

WMH002830

GOODFELLOW BROS., INC. —GENERAL CONTRACTOR—

ABC-7046

Fri 1-14-11 = 1.425 mgal

6705 Waimanalo Gulch Landfill

PUMP LOG

8" Trailer Open (Not enclosed)

1062

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8" Trailer open

Friday

6705 Waimanalo Gulch Landfill - PUMP LOG

PUMP NO: 1062 DATE: 1-14-11

		Start	Stop	RPM	Suction Head	Discharge Head	Suction Length	Discharge Length	Efficiency
Timo	1	12:00am	5:00am	1700	~~20~~ 25	-20	~~40~~ 50'	70'	
andy	2	5:00am	9:30am	1700	~~20~~ 25	-20	~~40~~ 50'	70'	
	3	9:30am	3:30pm	Reset Pumps		No Pumping			
	4	~~3:30pm~~			~~25~~	~~-20~~	~~50~~	~~70~~	
imo	5		5	COULD NOT SET PUMP DID NOT PUMP					
	6								
	7	HRS	TDH	RPM	GPM	Gal			
1	8	5hrs	49	1700	2500	750,000			
2	9	4.5	49	1700	2500	675,000			
	10					1,425,000			
	11								
	12								
	13								
	14								
	15								
	16								
	17								

WMH002832

8th Trailer open

Saturday

6705 Waimanalo Gulch Landfill - PUMP LOG

PUMP NO: 1062 DATE: 1-15-10

	Start	Stop	RPM	Suction Head	Discharge Head	Suction Length	Discharge Length	Efficiency
1	?							
2	DID NOT PUMP AT ALL 5pm TO 500Am							
3								
4	~~1130pm~~	~~5.00pm~~						
5	~~10:00am~~	~~3:00pm~~	~~1200~~	~~30~~	~~15~~	~~60~~	~~20~~	
6								
7		Pump used As Stand by remaining time						
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

Time

WMH002833

GOODFELLOW BROS., INC. —GENERAL CONTRACTOR—

ABC-7046

Fri - 1-14-11 = 2,044 Mgal
Sat - 1-15-11 = 4,833 Mgal
Sun - 1-16-11 = 1,500 Mgal
8,377 Mgal

6705 Waimanalo Gulch Landfill

PUMP LOG

12" Skid Mounted Pump

1111

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12" Skid Mounted

Friday

6705 Waimanalo Gulch Landfill - PUMP LOG

PUMP NO: 1111 DATE: 1-14-11

	Start	Stop	RPM	Suction Head	Discharge Head	Suction Length	Discharge Length	Efficiency
1	9:30am	315 pm	Arrive	@ jobsite +	Set up.			
2	315pm	330 pm	2200	10	-5	50'	40'	
3	330 pm	800 pm	2000	16	-5	50	40'	
4	1000 pm	12:00am	2000	20	-5	70'	40'	
5								
6		TDH	Equivelent RPM	GPM	GAL			
~~7~~	~~5.75hrs~~	~~30' +/-~~						
2 ~~8~~	.25hrs	30 +/-	1100	5300	79,500			
3 ~~9~~	4.5hrs	35 +/-	1050	5100	1,377,000			
4 ~~10~~	2hrs	42 +/-	1050	4900	588,000			
11					2,044,500			
12								
13								
14								
15								
16								
17								

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WMH002835

12" Skid Mounted

Sat

6705 Waimanalo Gulch Landfill - PUMP LOG

PUMP NO: 1111

DATE: ~~Fri~~ 1-15-11

		Start	Stop	RPM	Suction Head	Discharge Head	Suction Length	Discharge Length	Efficiency
	1	~~12:00am~~	~~2:30pm~~						
Reset Add Liquid	2	12:0pam	9:00am	2000	20	-5	70	40	
	3	11:00am	2:30pm	2000	25	-5	80	40	
	4	4:00pm	5:00pm	2000	35	5	130	80	
Time	5	Pump was Running when I STARTED AT 5pm IT RAN ALL NIGHT							
	6	AT 2000 RPM							
	7	500pm	12:00am	2000	35	5	130	80	
	8		TDH	Equip RPM	GPM	GAL			
2	~~9~~	9hrs	42'	1050	4900	2,646,000			
3	~~10~~	3.5 hrs	49'	1050	4700	987,000			
4	~~11~~	1 hr	77'	1050	2500	150,000			
7	~~12~~	7hr	77'	1050	2500	1,050,000			
	13					4,833,000	Total		
	14								
	15								
	16								
	17								

WMH002836

6705 Waimanalo Gulch Landfill - PUMP LOG

PUMP NO: 1111

DATE: Sun 1-16-17

	Start	Stop	RPM	Suction Head	Discharge Head	Suction Length	Discharge Length	Efficiency
1								
2	12:00am	10:00am	2000	35	5	130	80	
3								
4		TDH	RPM	GPM				
5	10 hrs	77'	1030	2500	1,500,000			
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								