

PURGIT / Hilliard Emission Controls, Inc. 2007 & 2008

Controlling emissions on tanks, marine vessels, pipelines since 1993.

We are proud of recovering 91 tons of tank vapors! It means that we are doing something about air emissions from tank cleaning. For instance the very best combustor system may be 99.99% efficient, but if it burns up 91 tons of tank vapors, it made over 91 tons of air emissions and greenhouse gases. That is because it needs assist fuel gas at startup and at the end just to keep the firebox hot. PURGIT condensers do not need that, so when we condense 91 tons of tank vapors we prevented 91 tons of air emissions and the cargo is available for recycling. This device is truly Maximum Available Control Technology!

Job #	Date	Location	Tank size	Meter start	Meter end	cu/ft	VOC	Gal cond.	Pounds
1182	3/6/2007	Houston TX tank farm	130' x 4.5	8,800,800	9,040,000	239,200	gasoline	35	217
1182	3/7/2007	Houston TX tank farm	130' x 4.5	9,042,000	9,307,800	265,800	gasoline	275	1,705
1182	3/8/2007	Houston TX tank farm	130' x 4.5	9,310,000	9,555,000	245,000	gasoline	165	1,023
1183	3/10/2007	El Paso TX tank farm	115' x 6.5	9,580,000	9,852,000	272,000	gasoline	365	2,263
1200	4/29/2007	Houston TX shipyard	10,000 bbl	11,358,000	11,598,000	240,000	ethylene dichloride	66	712
1201	4/29/2007	Houston TX shipyard	3,000 bbl	11,600,000	11,695,000	95,000	ethylene dichloride	81	874
1202	5/3/2007	Houston TX shipyard	10,000 bbl	11,698,000	11,945,000	247,000	perchloroethylene	44	584
1206	5/19/2007	Houston TX shipyard	10,000 bbl	11,948,000	12,340,000	392,000	ethylene dichloride	213	2,298
1209	6/5/2007	Houston TX shipyard	10,000 bbl	12,414,000	12,662,000	248,000	methylene chloride	366	4,001
1211	6/8/2007	Houston TX shipyard	10,000 bbl	12,666,000	12,905,000	239,000	chloroform	241	3,037
1214	6/14/2007	Houston TX tank farm	90' x 12'	12,929,000	15,154,000	2,225,000	gasoline	1775	11,005
1213	6/25/2007	Houston TX shipyard	10,000 bbl	15,154,000	15,413,000	259,000	chloroform	132	1,663
1214	6/26/2007	Houston TX tank farm	90' x 12'	15,416,000	16,886,000	1,470,000	gasoline	675	4,185
1216	7/2/2007	Houston TX tank farm	90' x 12'	16,886,000	18,207,000	1,321,000	gasoline	850	5,270
1217	7/11/2007	N.O. LA Tank farm	195' x 6'	18,431,000	20,498,000	2,067,000	naphtha - ethanol	825	6,187
1218	7/10/2007	N.O. LA Tank farm	35' x 6'	18,209,000	18,431,000	222,000	ethylene dichloride	75	809
1222	7/20/2007	Houston TX tank farm	90' x 12'	20,517,000	21,630,000	1,113,000	gasoline	350	2,150
1223	7/25/2007	Houston TX tank farm	90' x 12'	21,630,000	22,755,000	1,125,000	gasoline	350	2,150
1226	8/1/2007	Houston TX tank farm	90' x 12'	22,775,000	23,877,000	1,102,000	gasoline	350	2,150
1227	8/6/2007	Houston TX tank farm	90' x 12'	23,877,000	25,059,000	1,182,000	gasoline	300	1,843
1228	8/10/2007	La Porte TX tank farm	35' x 30'	25,059,000	25,311,000	252,000	xylene - e benzene	20	123
1232	8/11/2007	Houston TX tank farm	90' x 12'	25,311,000	26,056,000	745,000	gasoline	250	1,536
1231	8/15/2007	Houston TX shipyard	19,000 bbl	26,057,000	26,490,000	433,000	ethylene dichloride	290	3,129
1232	8/16/2007	Houston TX tank farm	90' x 12'	26,497,000	26,856,000	359,000	gasoline	100	614
1237	8/20/2007	Houston TX tank farm	90' x 12'	26,856,000	27,635,000	779,000	gasoline	100	614
1235	8/23/2007	Houston TX shipyard	10,000 bbl	27,635,000	27,890,000	255,000	perchloroethylene	44	584
1237	8/24/2007	Houston TX tank farm	90' x 12'	27,890,000	28,452,000	562,000	gasoline	200	1,228
1242	9/6/2007	Houston TX shipyard	10,000 bbl	28,460,000	28,724,000	264,000	ethylene dichloride	110	1,187
1244	9/10/2007	Houston TX tank farm	67' x 10'	28,724,000	29,369,000	645,000	gasoline	150	921
1246	9/14/2007	Houston TX shipyard	10,000 bbl	29,794,000	30,045,000	251,000	trichloroethylene	59	735
1250	9/13/2007	Houston TX tank farm	67' x 10'	29,369,000	29,790,000	421,000	gasoline	150	921
1251	10/1/2007	Houston TX tank farm	86' x 38'	30,045,000	30,820,000	775,000	gasoline	1200	7,370
1254	10/11/2007	Houston TX shipyard	10,000 bbl	30,816,000	31,050,000	234,000	perchloroethylene	50	664
1259	10/24/2007	Houston TX shipyard	10,000 bbl	31,063,000	31,310,000	247,000	chloroform	206	2,565
1260	11/2/2007	Houston TX shipyard	10,000 bbl	31,312,000	31,539,000	227,000	chloroform	135	1,681
1263	11/17/2007	Houston TX shipyard	10,000 bbl	31,541,000	31,780,000	239,000	methylene chloride	235	2,536
1266	11/27/2007	Houston TX shipyard	10,000 bbl	31,784,000	32,023,000	239,000	chloroform	117	1,457
1274	11/21/2007	Houston TX tank farm	90' x 12'	down service	32,300,000	1,108,000	gasoline	650	3,992

1275	11/29/2007	Houston TX tank farm	90' x 12'	32,300,000	33,064,000	764,000	gasoline	400	2,457
1276	12/4/2007	Houston TX shipyard	11,000 bbl	33,068,000	33,315,000	247,000	ethylene dichloride	206	2,223
1277	12/8/2007	Houston TX shipyard	11,000 bbl	33,317,000	33,565,000	248,000	ethylene dichloride	74	973
Total cubic feet controlled 2007						23,863,000			
Total gallons recovered 2007								12,279	
Total pounds of VOC controlled and recovered 2007									91,636
Job #	Date	Location	Tank size	Meter start	Meter end	cu/ft	VOC	Gal cond.	pounds
1298	2/5/2008	Houston TX tank farm	100,052 bbl	33,565,000	35,899,000	2,334,000	isoprene	5,500	31,500
1307	3/3/2008	Whiting IN tank farm	pipeline seg	n/a	n/a		butane	4,180	20,105
1318	4/2/2008	Houston TX shipyard	10,000 bbl	2,924,000	3,150,000	226,000	chloroform	154	1,939
1325	4/22/2008	Houston TX tank farm	86' x 38'	3,163,100	5,680,000	2,516,900	gasoline	1,100	6,420
1323	4/23/2008	Houston TX shipyard	10,000 bbl	5,685,000	5,945,000	260,000	chloroform	145	1,827
1324	4/24/2008	Houston TX shipyard	10,000 bbl	5,948,000	6,174,000	226,000	methylene chloride	224	2,446
1329	5/9/2008	Houston TX tank farm	86' x 38'	6,174,000	8,694,600	2,520,600	gasoline	1,011	6,420
1339	6/5/2008	Houston TX shipyard	10,000 bbl	42,279,000	42,518,000	239,000	methanol	130	863
1340	6/26/2008	El Paso TX tank farm	150' x 3.75'	42,518,000	42,784,000	266,000	gasoline	370	2,349
1349	8/5/2008	El Paso TX tank farm	90 x 6.5'	42,809,000	43,006,000	197,000	gasoline	215	1,365
1349	8/7/2008	El Paso TX tank farm	100 x 6.5'	43,006,000	43,217,000	211,000	light straight run	495	3,143
1356	9/10/2008	Ship at Houston dock	2,800 m3	712,700	806,000	93,300	epichlorohydrin	55	542
1356	9/10/2008	Ship at Houston dock	254 m3	806100	909700	103,600	methylene chloride	330	3,695
1358	9/23/2008	Houston TX tank farm	138' x 4.5'	909,700	1,083,000	173,300	iso octane	145	726
1360	9/26/2008	LaPorte TX tank farm	8,500 bbl	43,591,200	43,810,900	219,700	dichloropropene	70	719
1364	10/3/2008	Houston TX shipyard	10,000 bbl	43,815,000	44,061,000	246,000	perchloroethylene	37	495
1369	10/13/2008	Houston TX shipyard	10,000 bbl	44,065,000	44,227,000	162,000	perchloroethylene	51	682
1370	10/14/2008	Texas City TX refinery	Cat tower	44,245,000	44,284,000	39,000	benzene	25	184
1373	10/22/2008	El Paso TX tank farm	100' x 6.5	44,284,000	44,489,000	205,000	gasoline	550	3,493
1374	10/23/2008	El Paso TX tank farm	100' x 7.25	44,489,000	44,716,650	227,650	light straight run	330	2,096
Total cubic feet controlled 2008						10,466,050			
Total gallons 2008								15,117	
Total pounds of VOC controlled and recovered in 2008									91,009
Grand total cubic feet controlled by unit C-2						34,329,050			
Grand total gallons by unit C-2								27,396	
Grand total tons of VOC controlled by unit C-2									91 Tons