

43.7% Opacity Reduction

Ethos Environmental, Inc.

**Sycamore Landfill
Fleet Opacity Summary**

	TYPE	Unit #	YEAR	ENGINE	OPACITY %	OPACITY%	Notes
					5/2/2005	9/20/2005	
1	D9R Trash Dozer	TD-2	2001	CAT 3456E EUI	26.0	17.30	
2	D8N Trash Dozer	1018	1995	CAT 3406	26.9	N/A	O/S
3	D8N Ripper Dozer	RD-13	1990	CAT 3406	49.9	N/A	O/S
4	390C Trash Compactor	TC-1	1998	CUM QSK 1900	N/A	N/A	O/S
5	390C Trash Compactor	1247	1998	CUM QSK 1900	43.5	19.00	
6	836G Trash Compactor	TC-4	2002	CAT 3408E HEUI	N/A	8.32	
7	627E Scraper	SC-1	1988	CAT 3306/CAT 3306	56.9 F/60.9 R	32.7F/24.8R	
8	627 E Scraper	1005	1987	CAT3306/CAT 3306	86.1 F/46.5 R	60.4F/31.9R	
9	16G Motor Grader	MG-1	1985	CAT 3406	30.7	17.80	
10	Peterbitt Water Truck	WT-1	1991	N/A	N/A	N/A	O/S
11	D250 Water Truck	WT-2	1998	CAT 3406	14.0	10.90	
12	416B Backhoe	BH-1	1994	CAT 3054 DIT	27.9	20.80	
13	International Mechanics Truck	MT-1	1988	INTL DT466	50.4	29.50	
14	International Lube Truck	LT-1	1988	INTL DT466	13.0	7.04	
15	Laymor Sweeper	SW-1	1995	N/A	7.53	1.48	
16	Ford F250	PU-5	2004	FORD	2.93	3.49	
Avg. Opacity					36.21	20.38	
Opacity Reduction						-43.72%	

Notes:

1. Initial Opacity test was done **5/02/05** on entire fleet.
2. Ethos FR was added to the central storage tank at a rate of 2 oz. per 10 gallons and to the crankcase at a rate of 1 oz per quart of oil.
3. Ending opacity was done **9/20/05** in order to check fleet performance and compared with initial tests.

F=front opacity

R=rear opacity

*Not included in average reduction calculation due to truck's mechanical failures.

O/S=out of service

N/A=not available