
WISCONSIN
VEHICLE INSPECTION PROGRAM
ANNUAL REPORT
2015



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BACKGROUND

The Wisconsin Department of Transportation (WisDOT) implemented the Wisconsin Vehicle Inspection Program (WVIP) in April 1984 in response to the federal Clean Air Act requirements. A major focus of the Clean Air Act is to reduce emissions that form ground-level ozone. Motor vehicles, industries, and smaller area sources such as lawn mowers, power boats, paints, solvents and other consumer products emit these ozone precursors. Areas exceeding federal air quality standards – established under the Clean Air Act – are designated as non-attainment and are required by federal law to reduce emissions.

The WVIP is one of the primary components of the strategy to reduce air pollution in southeastern Wisconsin area. Each year, over 600,000 cars and light duty trucks in a seven county region of southeastern Wisconsin's ozone non-attainment area are tested for emissions. The program covers more than 2,500 square miles over seven counties: Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Washington, and Waukesha. Vehicles receive inspections in a decentralized network of approximately 200 private inspection facilities (PIF) located in all seven of the program counties. Vehicle population determines PIF distribution. At the end of calendar year 2015 the PIF per county totals were:

- Kenosha = 14
- Milwaukee = 79
- Racine = 17
- Sheboygan = 12
- Waukesha = 53
- Ozaukee = 11
- Washington = 17

The emissions tests are free to the motorist. The state of Wisconsin pays the program contractor, Opus Inspection, a monthly fee of \$216,330.00. The state Transportation and Petroleum Environmental Cleanup Fund Act (PECFA) funds pay for the program.

PROGRAM OVERVIEW

Geographical Area:	Seven southeastern Wisconsin counties: Sheboygan, Washington, Ozaukee, Waukesha, Milwaukee, Racine and Kenosha. Testing region covers 2,500 square miles.
Test Procedure:	OBDII testing, in which a vehicle's on-board computer is checked for emissions-related problems, is the standard test for all 1996 and newer gasoline-fueled vehicles equipped with OBDII technology and all 2007 and newer diesel-fueled vehicles equipped with OBDII technology.
Network Size:	200 Private Inspection Facilities, 200 inspection lanes, 5 Technical Assistance Centers
Model Years (MY) Tested	<i>Registration Renewal Testing:</i> Model Years 1996 through 2012

- Model year 1996-2006 gasoline-fueled vehicles up to 8,500 lbs. gross vehicle weight rating
- Model year 2007 and newer gasoline-fueled and diesel-fueled vehicles between 8,501 and 14,000 lbs., gross vehicle weight rating

Change of Ownership: Model year 2010 and older in CY 2015

QUALITY CONTROL/QUALITY ASSURANCE

The WIVIP has several interrelated systems and functions monitoring program performance and accuracy. These systems include digital monitoring of all inspections, trigger reports alerting program management to any testing anomaly, videos of each inspection process, regular overt station checking on equipment performance and covert inspection audits.

The digital monitoring/trigger report capabilities enable constant program monitoring of inspection accuracy. Program management uses this tool to identify and remedy any potential issue. The regular station audits verify the accuracy of program functions at each PIF, the inspector's and inspection analyzer.

NETWORK

The WIVIP is a decentralized test and repair network comprised of 200 Private Inspection Facilities located throughout the seven county program region. The stations receive all analyzer equipment, service, consumables and inspector training, free of charge from Opus Inspection, the program management company. The list of PIFs participating in the network in 2015, and their locations, are attached in Table III.

PROGRAM RATIONALE

Southeastern Wisconsin is one of more than 40 metropolitan areas in the United States with ground-level ozone levels that exceed federal air quality standards. Excessive air pollution is a public health hazard. Geographically, as part of the south Lake Michigan air basin, southeastern Wisconsin is one of the worst areas in the country for ozone pollution.

MOTOR VEHICLE EMISSION REDUCTIONS & AIR QUALITY IMPROVEMENT

Reducing motor vehicle emissions plays a large role in improving regional air quality. Along with reformulated gasoline use, the Wisconsin Vehicle Inspection Program (WVIP) is Wisconsin's most significant vehicle emission reduction program, and one that contributes to improved air quality in the entire upper Midwest.

The Wisconsin Department of Natural Resources (DNR) estimates that the program achieved the following reductions in on-road motor vehicle emissions during 2015:

- Volatile organic compounds (VOC) emissions reduced by 2.19 tons per summer weekday, or 7.4%.
- Oxides of nitrogen (NOx) emissions reduced by 3.38 tons per summer weekday, or 5.6%.
- Carbon monoxide (CO) emissions reduced by 38.71 tons per summer weekday, or 10.1%.

Hot Summer Weekday Emissions (tons) For On-Road Motor Vehicles

		Volatile Organic Compounds (VOC)				
		2005	2008	2011	2014	2015
No WVIP	6 SE Counties	52.44	45.88	40.78	28.88	27.63
No WVIP	Sheboygan Co.	3.52	3.04	2.61	1.96	1.87
No WVIP	All 7 Counties	55.96	48.92	43.39	30.84	29.49
WVIP	6 SE Counties	45.67	39.81	38.18	26.74	25.57
WVIP	Sheboygan Co.	3.14	2.67	2.44	1.82	1.73
WVIP	All 7 Counties	48.81	42.48	40.61	28.56	27.30
WVIP Reductions (tons)		7.16	6.44	2.78	2.28	2.19
WVIP Reductions (%)		12.8%	13.2%	6.4%	7.4%	7.4%

		Oxides of Nitrogen (NOx)				
		2005	2008	2011	2014	2015
No WVIP	6 SE Counties	117.13	97.32	83.73	59.90	56.06
No WVIP	Sheboygan Co.	8.28	6.70	5.70	4.24	3.98
No WVIP	All 7 Counties	125.41	104.02	89.43	64.14	60.04
WVIP	6 SE Counties	108.91	89.89	79.41	56.52	52.89
WVIP	Sheboygan Co.	7.76	6.24	5.41	4.02	3.77
WVIP	All 7 Counties	116.67	96.13	84.82	60.54	56.66
WVIP Reductions (tons)		8.74	7.89	4.61	3.60	3.38
WVIP Reductions (%)		7.0%	7.6%	5.2%	5.6%	5.6%

		Carbon Monoxide (CO)				
		2005	2008	2011	2014	2015
No WVIP	6 SE Counties	581.06	515.70	476.11	367.90	361.38
No WVIP	Sheboygan Co.	38.27	32.67	28.31	23.37	23.05
No WVIP	All 7 Counties	619.32	548.37	504.42	391.27	384.43
WVIP	6 SE Counties	506.46	447.57	436.13	331.52	324.99
WVIP	Sheboygan Co.	33.94	28.67	25.83	21.06	20.73
WVIP	All 7 Counties	540.40	476.24	461.96	352.58	345.72
WVIP Reductions (tons)		78.92	72.13	42.46	38.69	38.71
WVIP Reductions (%)		12.7%	13.2%	8.4%	9.9%	10.1%

NOTES:

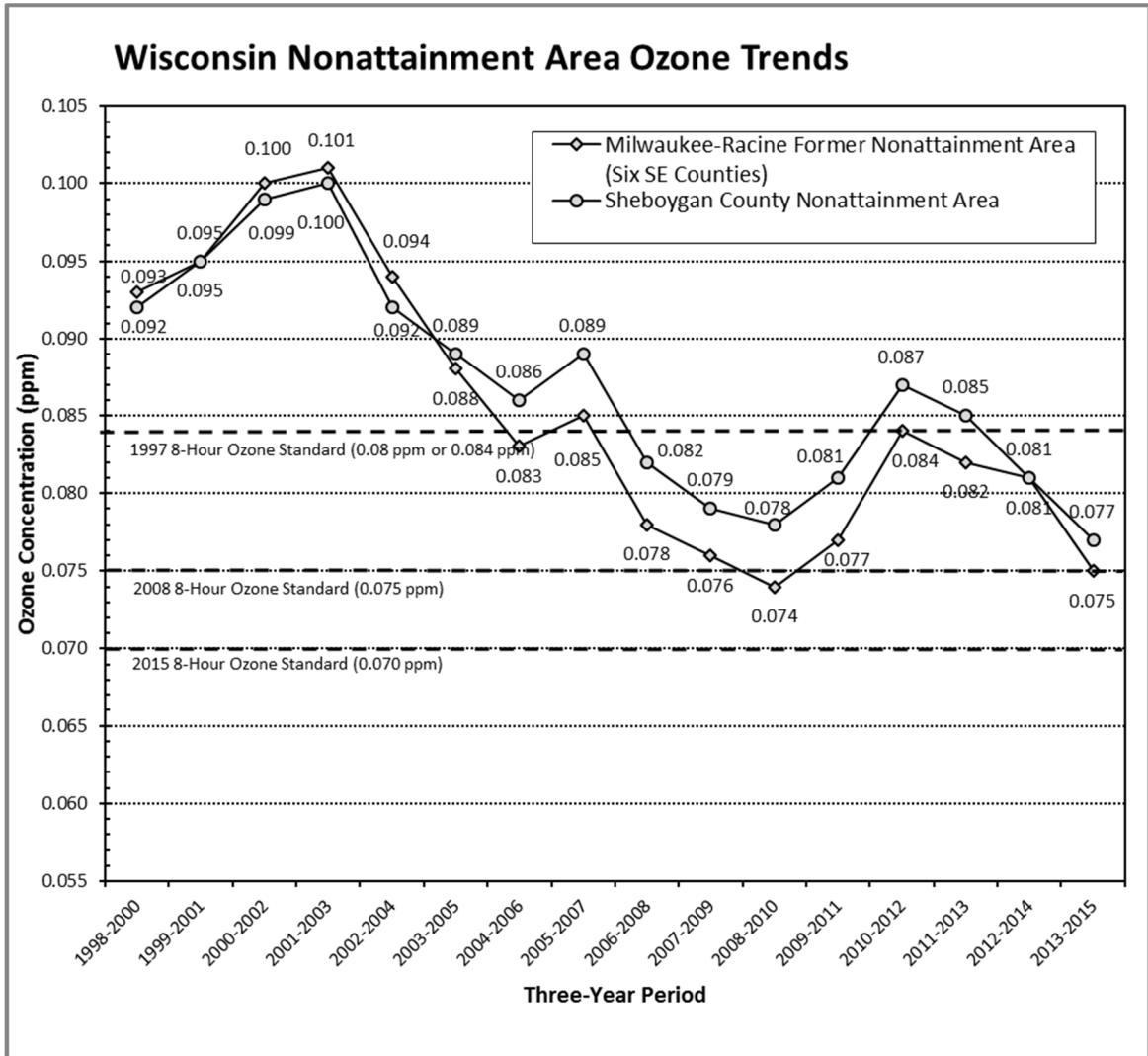
1. The "6 SE Counties" are Kenosha, Milwaukee, Ozaukee, Racine, Washington and Waukesha Counties.
2. Emissions calculated using U.S. EPA's MOVES2014a model.
3. Emissions calculated for the year 2015 are preliminary, since local 2015 vehicle-miles of travel data are not yet available. (Instead the 2015 vehicle-miles of travel was estimated by applying a national growth rate to the 2014 vehicle-miles of travel.)
4. Emissions calculated for all years differ from the values in last year's report, since this year's modeling used an updated version of the U.S. EPA's emissions model (MOVES2014a instead of MOVES2014) and updated transportation data.
5. On July of 2008, the WVIP dropped tailpipe testing entirely and only tested vehicles of model years 1996 and newer by scanning their on-board diagnostic (OBD) systems. This exempted all vehicles of model years 1995 and older, resulting in a decrease in the program's emission reduction percentages after 2008.

Over time, the WVIP has contributed to the following air quality advances in Wisconsin:

Ozone: Ground-level ozone concentrations in southeastern Wisconsin have dropped significantly over the past 25 years. During 1990, the 1-hour ozone "design value" (a calculated measurement used to evaluate compliance with the 1-hour ozone standard) for southeastern Wisconsin was 0.19 parts per million (ppm). This value was high enough that six southeastern Wisconsin counties were classified as a severe ozone nonattainment area under the 1990 Clean Air Act (CAA) amendments. Other eastern Wisconsin counties were assigned less severe nonattainment designations.

By 2001, the 1-hour design value for southeastern Wisconsin had dropped to 0.12 ppm, meeting the 1-hour ozone standard. All Wisconsin counties are now monitoring ozone concentrations below this level.

More recently, the U.S. EPA has been implementing more stringent ozone standards based on continually updated scientific evidence on ozone’s effect on public health and welfare, using an 8-hour averaging period. This “8-hour ozone standard” was originally set at 0.084 ppm in 1997. It was revised in 2008 to 0.075 ppm and again in 2015 to 0.070 ppm. As shown in the following graph, ozone concentrations have continued to decline since 2000.



Since meteorology (especially temperature) has a strong influence on ozone concentrations, the values are elevated for the three-year periods including hot summers. In particular, the years 2002, 2006, 2011 and 2012 had very hot summers.

As a result of the declining ozone concentrations, the areas of Wisconsin still in nonattainment for ozone are now limited to Sheboygan County and part of Kenosha County. However, by October 2017, the U.S. EPA is likely to designate additional ozone nonattainment areas under the more stringent 2015 8-hour standard. The WVIP will play an important, ongoing role in the state’s efforts to attain this more stringent standard and to maintain attainment throughout all of eastern Wisconsin.

Carbon Monoxide: Between 1977 and 1984, southeastern Wisconsin exceeded the federal carbon monoxide standard 35 times. Since the program's implementation in 1984, southeastern Wisconsin has not exceeded this standard even once.

Credit for these air quality improvements goes to various state and federal ozone control measures implemented both in Wisconsin and other states. Aside from Wisconsin's and neighboring states' vehicle inspection and maintenance programs, these include reformulated gasoline, national emission standards for new motor vehicles, utility and industrial source controls, and gasoline vapor recovery controls.

TEST DATA REPORT

OPERATING STATISTICS

ALL TESTS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(1) The number of vehicles tested by model year and vehicle type.

The tests represented in the table below include test records for initial tests, retests and waivers. It contains all test results, including pass, fail, waivers, aborts, rejects and voids. All tables in this section do not include test records that were performed in the course of the state audits.

<i>Model Year</i>	Passenger	SUV	Truck	Van	Grand Total
1996	14,073	931	3,152	423	18,579
1997	6,030	671	1,297	268	8,266
1998	25,296	1,608	5,256	838	32,998
1999	9,663	1,204	1,509	547	12,923
2000	42,937	2,484	6,963	1,772	54,156
2001	12,829	1,475	1,740	790	16,834
2002	57,959	4,195	8,201	1,836	72,191
2003	14,416	2,167	1,739	853	19,175
2004	62,202	5,198	8,751	1,621	77,772
2005	14,275	2,188	1,609	1,130	19,202
2006	67,562	4,412	7,185	2,250	81,409
2007	13,735	2,292	1,637	752	18,416
2008	68,972	5,026	7,705	1,855	83,558
2009	8,839	1,324	913	376	11,452
2010	53,165	6,174	5,567	1,819	66,725
2011	4,004	941	626	322	5,893
2012	39,173	20,230	6,236	5,833	71,472
2013	1,818	974	291	258	3,341
2014	456	178	46	64	744
2015	160	91	14	32	297
2016	109	16	5	3	133
<i>Grand Total</i>	517,673	63,779	70,442	23,642	675,536

INITIAL TESTS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(i) The number of vehicles tested by model year and vehicle type failing by test type.

<i>Vehicle Model Year</i>		Initial Fail	Initial Pass	Grand Total	Failure Rate
1996		1,835	14,932	16,767	12.3%
	<i>Passenger</i>	1,376	11,420	12,796	12.0%
	<i>SUV</i>	138	711	849	19.4%
	<i>Truck</i>	274	2,479	2,753	11.1%
	<i>Van</i>	47	322	369	14.6%
1997		1,009	5,966	6,975	16.9%
	<i>Passenger</i>	679	4,408	5,087	15.4%
	<i>SUV</i>	119	502	621	23.7%
	<i>Truck</i>	151	890	1,041	17.0%
	<i>Van</i>	60	166	226	36.1%
1998		3,232	26,431	29,663	12.2%
	<i>Passenger</i>	2,487	20,444	22,931	12.2%
	<i>SUV</i>	212	1,303	1,515	16.3%
	<i>Truck</i>	418	4,122	4,540	10.1%
	<i>Van</i>	115	562	677	20.5%
1999		1,425	9,690	11,115	14.7%
	<i>Passenger</i>	1,029	7,274	8,303	14.1%
	<i>SUV</i>	207	907	1,114	22.8%
	<i>Truck</i>	119	1,132	1,251	10.5%
	<i>Van</i>	70	377	447	18.6%
2000		4,772	44,199	48,971	10.8%
	<i>Passenger</i>	3,923	35,339	39,262	11.1%
	<i>SUV</i>	251	2,074	2,325	12.1%
	<i>Truck</i>	429	5,514	5,943	7.8%
	<i>Van</i>	169	1,272	1,441	13.3%
2001		1,993	12,284	14,277	16.2%
	<i>Passenger</i>	1,531	9,285	10,816	16.5%
	<i>SUV</i>	205	1,183	1,388	17.3%
	<i>Truck</i>	114	1,322	1,436	8.6%
	<i>Van</i>	143	494	637	28.9%
2002		5,836	60,052	65,888	9.7%
	<i>Passenger</i>	4,846	48,519	53,365	10.0%
	<i>SUV</i>	359	3,631	3,990	9.9%
	<i>Truck</i>	414	6,630	7,044	6.2%

2003	Van	217	1,272	1,489	17.1%
		1,552	15,573	17,125	10.0%
	Passenger	1,172	11,713	12,885	10.0%
	SUV	192	1,872	2,064	10.3%
	Truck	96	1,355	1,451	7.1%
2004	Van	92	633	725	14.5%
		4,307	68,547	72,854	6.3%
	Passenger	3,500	55,320	58,820	6.3%
	SUV	330	4,654	4,984	7.1%
	Truck	396	7,310	7,706	5.4%
2005	Van	81	1,263	1,344	6.4%
		1,031	16,686	17,717	6.2%
	Passenger	775	12,416	13,191	6.2%
	SUV	124	1,988	2,112	6.2%
	Truck	65	1,339	1,404	4.9%
2006	Van	67	943	1,010	7.1%
		3,204	74,232	77,436	4.3%
	Passenger	2,718	62,181	64,899	4.4%
	SUV	162	4,159	4,321	3.9%
	Truck	217	6,196	6,413	3.5%
2007	Van	107	1,696	1,803	6.3%
		634	16,971	17,605	3.7%
	Passenger	473	12,606	13,079	3.8%
	SUV	66	2,199	2,265	3.0%
	Truck	64	1,475	1,539	4.3%
2008	Van	31	691	722	4.5%
		1,989	79,610	81,599	2.5%
	Passenger	1,657	65,643	67,300	2.5%
	SUV	88	4,883	4,971	1.8%
	Truck	179	7,346	7,525	2.4%
2009	Van	65	1,738	1,803	3.7%
		230	10,945	11,175	2.1%
	Passenger	181	8,434	8,615	2.1%
	SUV	14	1,303	1,317	1.1%
	Truck	19	863	882	2.2%
2010	Van	16	345	361	4.6%
		743	65,244	65,987	1.1%
	Passenger	567	51,961	52,528	1.1%
	SUV	76	6,066	6,142	1.3%
	Truck	55	5,460	5,515	1.0%
	45	1,757	1,802	2.6%	

2011		133	5,576	5,709	2.4%
	Passenger	105	3,739	3,844	2.8%
	SUV	9	928	937	1.0%
	Truck	12	596	608	2.0%
	Van	7	313	320	2.2%
2012		403	70,613	71,016	0.6%
	Passenger	226	38,595	38,821	0.6%
	SUV	82	20,110	20,192	0.4%
	Truck	48	6,138	6,186	0.8%
	Van	47	5,770	5,817	0.8%
2013		19	3,304	3,323	0.6%
	Passenger	15	1,788	1,803	0.8%
	SUV		972	972	0.0%
	Truck	2	288	290	0.7%
	Van	2	256	258	0.8%
2014		4	735	739	0.5%
	Passenger	3	448	451	0.7%
	SUV		178	178	0.0%
	Truck		46	46	0.0%
	Van	1	63	64	1.6%
2015		1	291	292	0.3%
	Passenger		156	156	0.0%
	SUV	1	89	90	1.1%
	Truck		14	14	0.0%
	Van		32	32	0.0%
2016		2	129	131	1.6%
	Passenger	2	105	107	1.9%
	SUV		16	16	0.0%
	Truck		5	5	0.0%
	Van		3	3	0.0%
Grand Total		34,354	602,010	636,364	5.7%

RETEST RESULTS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2) (ii) – (iii) The number of vehicles tested by model year and vehicle type passing or failing the first retest.

Model Year & Vehicle Type	1st Retest Fail	1st Retest Pass	Grand Total	1st Retest Fail Rate	1st Retest Pass Rate
1996	298	982	1,280	23.3%	76.7%
Passenger	235	777	1,012	23.2%	76.8%
SUV	13	35	48	27.1%	72.9%
Truck	47	154	201	23.4%	76.6%
Van	3	16	19	15.8%	84.2%
1997	258	637	895	28.8%	71.2%
Passenger	194	519	713	27.2%	72.8%
SUV	16	13	29	55.2%	44.8%
Truck	44	102	146	30.1%	69.9%
Van	4	3	7	57.1%	42.9%
1998	504	1,837	2,341	21.5%	78.5%
Passenger	404	1,500	1,904	21.2%	78.8%
SUV	15	48	63	23.8%	76.2%
Truck	73	251	324	22.5%	77.5%
Van	12	38	50	24.0%	76.0%
1999	334	899	1,233	27.1%	72.9%
Passenger	277	763	1,040	26.6%	73.4%
SUV	18	39	57	31.6%	68.4%
Truck	33	81	114	28.9%	71.1%
Van	6	16	22	27.3%	72.7%
2000	685	2,779	3,464	19.8%	80.2%
Passenger	614	2,384	2,998	20.5%	79.5%
SUV	10	68	78	12.8%	87.2%
Truck	44	280	324	13.6%	86.4%
Van	17	47	64	26.6%	73.4%
2001	470	1,268	1,738	27.0%	73.0%
Passenger	421	1,090	1,511	27.9%	72.1%
SUV	17	41	58	29.3%	70.7%
Truck	18	96	114	15.8%	84.2%
Van	14	41	55	25.5%	74.5%
2002	761	3,647	4,408	17.3%	82.7%
Passenger	682	3,165	3,847	17.7%	82.3%

2003	SUV	19	120	139	13.7%	86.3%
	Truck	44	300	344	12.8%	87.2%
	Van	16	62	78	20.5%	79.5%
	Passenger	267	1,145	1,412	18.9%	81.1%
	SUV	239	983	1,222	19.6%	80.4%
2004	SUV	10	49	59	16.9%	83.1%
	Truck	12	84	96	12.5%	87.5%
	Van	6	29	35	17.1%	82.9%
	Passenger	471	2,948	3,419	13.8%	86.2%
	SUV	421	2,479	2,900	14.5%	85.5%
2005	SUV	25	119	144	17.4%	82.6%
	Truck	21	319	340	6.2%	93.8%
	Van	4	31	35	11.4%	88.6%
	Passenger	168	818	986	17.0%	83.0%
	SUV	148	709	857	17.3%	82.7%
2006	SUV	11	38	49	22.4%	77.6%
	Truck	6	56	62	9.7%	90.3%
	Van	3	15	18	16.7%	83.3%
	Passenger	312	2,307	2,619	11.9%	88.1%
	SUV	267	2,044	2,311	11.6%	88.4%
2007	SUV	12	55	67	17.9%	82.1%
	Truck	25	165	190	13.2%	86.8%
	Van	8	43	51	15.7%	84.3%
	Passenger	88	575	663	13.3%	86.7%
	SUV	67	469	536	12.5%	87.5%
2008	SUV	5	13	18	27.8%	72.2%
	Truck	11	76	87	12.6%	87.4%
	Van	5	17	22	22.7%	77.3%
	Passenger	152	1,514	1,666	9.1%	90.9%
	SUV	127	1,306	1,433	8.9%	91.1%
2009	SUV	4	40	44	9.1%	90.9%
	Truck	19	125	144	13.2%	86.8%
	Van	2	43	45	4.4%	95.6%
	Passenger	20	200	220	9.1%	90.9%
	SUV	19	162	181	10.5%	89.5%
2010	SUV		6	6	0.0%	100.0%
	Truck	1	22	23	4.3%	95.7%
	Van		10	10	0.0%	100.0%
	Passenger	41	597	638	6.4%	93.6%
	SUV	40	508	548	7.3%	92.7%
	SUV	1	28	29	3.4%	96.6%

	<i>Truck</i>		47	47	0.0%	100.0%
	<i>Van</i>		14	14	0.0%	100.0%
2011		11	96	107	10.3%	89.7%
	<i>Passenger</i>	8	81	89	9.0%	91.0%
	<i>SUV</i>		2	2	0.0%	100.0%
	<i>Truck</i>	3	12	15	20.0%	80.0%
	<i>Van</i>		1	1	0.0%	100.0%
2012		26	302	328	7.9%	92.1%
	<i>Passenger</i>	22	253	275	8.0%	92.0%
	<i>SUV</i>	1	12	13	7.7%	92.3%
	<i>Truck</i>	1	32	33	3.0%	97.0%
	<i>Van</i>	2	5	7	28.6%	71.4%
2013			8	8	0.0%	100.0%
	<i>Passenger</i>		7	7	0.0%	100.0%
	<i>Truck</i>		1	1	0.0%	100.0%
2014		1		1	100.0%	0.0%
	<i>Passenger</i>	1		1	100.0%	0.0%
2015		1		1	100.0%	0.0%
	<i>Passenger</i>	1		1	100.0%	0.0%
2016			1	1	0.0%	100.0%
	<i>Passenger</i>		1	1	0.0%	100.0%
	<i>Grand Total</i>	4,868	22,560	27,428	17.7%	82.3%

SUBSEQUENT RETESTS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2) (iv) The number of vehicles tested by model year and vehicle type that initially failed and passed the second or subsequent retest.

SECOND OR SUBSEQUENT RETEST

Model Year & Vehicle Type		Fail	Pass	Grand Total	Fail Rate	Pass Rate
1996		120	152	272	44.1%	55.9%
	Passenger	94	115	209	45.0%	55.0%
	SUV	7	2	9	77.8%	22.2%
	Truck	17	33	50	34.0%	66.0%
	Van	2	2	4	50.0%	50.0%
1997		102	169	271	37.6%	62.4%
	Passenger	81	131	212	38.2%	61.8%
	SUV	7	9	16	43.8%	56.3%
	Truck	12	27	39	30.8%	69.2%
	Van	2	2	4	50.0%	50.0%
1998		207	293	500	41.4%	58.6%
	Passenger	171	231	402	42.5%	57.5%
	SUV	9	15	24	37.5%	62.5%
	Truck	20	44	64	31.3%	68.8%
	Van	7	3	10	70.0%	30.0%
1999		111	221	332	33.4%	66.6%
	Passenger	93	178	271	34.3%	65.7%
	SUV	7	12	19	36.8%	63.2%
	Truck	7	24	31	22.6%	77.4%
	Van	4	7	11	36.4%	63.6%
2000		250	406	656	38.1%	61.9%
	Passenger	225	352	577	39.0%	61.0%
	SUV	5	8	13	38.5%	61.5%
	Truck	17	34	51	33.3%	66.7%
	Van	3	12	15	20.0%	80.0%
2001		186	306	492	37.8%	62.2%
	Passenger	172	274	446	38.6%	61.4%
	SUV	5	9	14	35.7%	64.3%
	Truck	5	12	17	29.4%	70.6%
	Van	4	11	15	26.7%	73.3%
2002		221	464	685	32.3%	67.7%

2003	Passenger	200	407	607	32.9%	67.1%
	SUV	5	15	20	25.0%	75.0%
	Truck	12	32	44	27.3%	72.7%
	Van	4	10	14	28.6%	71.4%
		95	209	304	31.3%	68.8%
2004	Passenger	87	181	268	32.5%	67.5%
	SUV	5	10	15	33.3%	66.7%
	Truck	2	14	16	12.5%	87.5%
	Van	1	4	5	20.0%	80.0%
		104	310	414	25.1%	74.9%
2005	Passenger	95	275	370	25.7%	74.3%
	SUV	6	17	23	26.1%	73.9%
	Truck	2	12	14	14.3%	85.7%
	Van	1	6	7	14.3%	85.7%
		63	135	198	31.8%	68.2%
2006	Passenger	55	121	176	31.3%	68.8%
	SUV	3	8	11	27.3%	72.7%
	Truck	4	5	9	44.4%	55.6%
	Van	1	1	2	50.0%	50.0%
		77	231	308	25.0%	75.0%
2007	Passenger	68	198	266	25.6%	74.4%
	SUV		9	9	0.0%	100.0%
	Truck	5	19	24	20.8%	79.2%
	Van	4	5	9	44.4%	55.6%
		20	75	95	21.1%	78.9%
2008	Passenger	17	60	77	22.1%	77.9%
	SUV	2	3	5	40.0%	60.0%
	Truck		8	8	0.0%	100.0%
	Van	1	4	5	20.0%	80.0%
		31	106	137	22.6%	77.4%
2009	Passenger	31	88	119	26.1%	73.9%
	SUV		3	3	0.0%	100.0%
	Truck		13	13	0.0%	100.0%
	Van		2	2	0.0%	100.0%
		8	27	35	22.9%	77.1%
2010	Passenger	7	22	29	24.1%	75.9%
	Truck		2	2	0.0%	100.0%
	Van	1	3	4	25.0%	75.0%
		2	24	26	7.7%	92.3%
	Passenger	2	23	25	8.0%	92.0%
	SUV		1	1	0.0%	100.0%

2011		3	16	19	15.8%	84.2%
	<i>Passenger</i>	2	15	17	11.8%	88.2%
2012	<i>Truck</i>	1	1	2	50.0%	50.0%
		8	18	26	30.8%	69.2%
	<i>Passenger</i>	7	17	24	29.2%	70.8%
	<i>Truck</i>		1	1	0.0%	100.0%
2013	<i>Van</i>	1		1	100.0%	0.0%
		1	1	2	50.0%	50.0%
	<i>Passenger</i>		1	1	0.0%	100.0%
	<i>SUV</i>	1		1	100.0%	0.0%
2015			1	1	0.0%	100.0%
	<i>Passenger</i>		1	1	0.0%	100.0%
<i>Grand Total</i>		1609	3164	4773	33.7%	66.3%

VEHICLE WAIVERS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2) (v) The number of vehicles tested by model year and vehicle type receiving a waiver.

A motorist may request a waiver from further inspection requirements for the current inspection cycle if the vehicle fails a second retest after repairs. In general, a waiver may be granted if the motorist exceeds the cost limit on emission-related repairs and adjustments at a recognized repair facility. The waiver repair cost limit excludes emission system warranty repairs and the repair/replacement of tampered emission control devices identified during the equipment check.

Vehicle owners can also apply for a waiver if their vehicles continue to fail the emissions test. A vehicle is eligible for a waiver when the following conditions are met:

1. The vehicle has failed an emissions inspection and following repair and re-inspection, it still does not meet test requirements. Repairs made over 180 days prior to the expiration of the license plate cannot be applied to the waiver repair cost limit.
2. The vehicle has passed a waiver emission equipment inspection to determine if emission control equipment is missing, modified or disconnected.

The Vehicle Inspection Reports (VIR) has been presented to the Waiver Investigator at the time a waiver is requested. The REPAIR DATA section of these reports has been completed in accordance with instructions provided on the report form. Motorists must bring their vehicle and itemized receipts for parts and labor to verify the emission related repairs.

1. For all vehicles which exceed the terms of the manufacturer's emission performance or defect warranty coverage at the time of the scheduled emission inspection, the owner must have emission related repairs performed on the vehicle at a recognized repair facility.
2. The actual costs of emission related repairs and adjustments exceed the repair cost limit for that vehicle's county of domicile. Only repairs that are related to the vehicle's cause of failure can be used to apply for a cost waiver. Costs covered by any warranty or costs to repair/replace emission control equipment that has been removed, modified or disconnected are excluded.
3. Until July 1, 2015, the repair cost limit for all model year vehicles subject to testing was \$855. The waiver repair cost limit was adjusted to \$868 on July 1, 2015. This figure is adjusted annually by the DNR per NR 485.045.

The following chart illustrates the cost waivers granted in 2015 by model year. Since even model year vehicles were tested in 2015, they account for the majority of the waivers.

Vehicle Model Year	Initial Fail	Cost	Diagnostic	Waiver Total	Waiver Rate	
1996		1,835	6	3	9	0.5%
	Passenger	1,376	3	2	5	0.4%
	SUV	138	2	0	2	1.4%
	Truck	274	1	1	2	0.7%
	Van	47	0	0	0	0.0%
1997		1,009	7	0	7	0.7%
	Passenger	679	6	0	6	0.9%
	SUV	119	1	0	1	0.8%
	Truck	151	0	0	0	0.0%
	Van	60	0	0	0	0.0%
1998		3,232	8	2	10	0.3%
	Passenger	2,487	4	2	6	0.2%
	SUV	212	3	0	3	1.4%
	Truck	418	0	0	0	0.0%
	Van	115	1	0	1	0.9%
1999		1,425	5	1	6	0.4%
	Passenger	1,029	3	1	4	0.4%
	SUV	207	2	0	2	1.0%
	Truck	119	0	0	0	0.0%
	Van	70	0	0	0	0.0%
2000		4,772	13	0	13	0.3%
	Passenger	3,923	8	0	8	0.2%
	SUV	251	2	0	2	0.8%
	Truck	429	2	0	2	0.5%
	Van	169	1	0	1	0.6%
2001		1,993	11	2	13	0.7%
	Passenger	1,531	6	0	6	0.4%
	SUV	205	3	1	4	2.0%
	Truck	114	0	0	0	0.0%
	Van	143	2	1	3	2.1%
2002		5,836	22	4	26	0.4%
	Passenger	4,846	14	3	17	0.4%
	SUV	359	3	1	4	1.1%
	Truck	414	0	0	0	0.0%
	Van	217	5	0	5	2.3%
2003		1,552	7	2	9	0.6%
	Passenger	1,172	6	1	7	0.6%
	SUV	192	0	0	0	0.0%
	Truck	96	1	1	2	2.1%
	Van	92	0	0	0	0.0%

2004		4,307	16	5	21	0.5%
	Passenger	3,500	9	4	13	0.4%
	SUV	330	5	1	6	1.8%
	Truck	396	0	0	0	0.0%
	Van	81	2	0	2	2.5%
2005		1,031	8	2	10	1.0%
	Passenger	775	5	1	6	0.8%
	SUV	124	1	0	1	0.8%
	Truck	65	1	1	2	3.1%
	Van	67	1	0	1	1.5%
2006		3,204	6	2	8	0.2%
	Passenger	2,718	0	0	0	0.0%
	SUV	162	4	2	6	3.7%
	Truck	217	2	0	2	0.9%
	Van	107	0	0	0	0.0%
2007		634	8	2	10	1.6%
	Passenger	473	3	0	3	0.6%
	SUV	66	2	0	2	3.0%
	Truck	64	1	0	1	1.6%
	Van	31	2	2	4	12.9%
2008		1,989	4	2	6	0.3%
	Passenger	1,657	4	2	6	0.4%
	SUV	88	0	0	0	0.0%
	Truck	179	0	0	0	0.0%
	Van	65	0	0	0	0.0%
2009		230	0	0	0	0.0%
	Passenger	181	0	0	0	0.0%
	SUV	14	0	0	0	0.0%
	Truck	19	0	0	0	0.0%
	Van	16	0	0	0	0.0%
2010		743	0	1	1	0.1%
	Passenger	567	0	1	1	0.2%
	SUV	76	0	0	0	0.0%
	Truck	55	0	0	0	0.0%
	Van	45	0	0	0	0.0%
2011		133	0	1	1	0.8%
	Passenger	105	0	0	0	0.0%
	SUV	9	0	0	0	0.0%
	Truck	12	0	1	1	8.3%
	Van	7	0	0	0	0.0%
2012		403	0	4	4	1.0%

2013	Passenger	226	0	4	4	1.8%
	SUV	82	0	0	0	0.0%
	Truck	48	0	0	0	0.0%
	Van	47	0	0	0	0.0%
		19	0	0	0	0.0%
2014	Passenger	15	0	0	0	0.0%
	SUV	-	0	0	0	#DIV/o!
	Truck	2	0	0	0	0.0%
	Van	2	0	0	0	0.0%
		4	0	0	0	0.0%
2015	Passenger	3	0	0	0	0.0%
	SUV	-	0	0	0	#DIV/o!
	Truck	-	0	0	0	#DIV/o!
	Van	1	0	0	0	0.0%
		1	0	0	0	0.0%
2016	Passenger	-	0	0	0	#DIV/o!
	SUV	1	0	0	0	0.0%
	Truck	-	0	0	0	#DIV/o!
	Van	-	0	0	0	#DIV/o!
		2	0	0	0	0.0%
<i>Grand Total</i>	Passenger	2	0	0	0	0.0%
	SUV	-	0	0	0	#DIV/o!
	Truck	-	0	0	0	#DIV/o!
	Van	-	0	0	0	#DIV/o!
	34,354	121	33	154	0.4%	

NO FINAL OUTCOME

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(vi) The number of vehicles tested by model year and vehicle type with no final outcome (regardless of reason).

The vehicles included in the table below did not have a final outcome of either a pass or waiver test result during the reporting period.

Vehicles with No Known Final Outcome

Model Year	Passenger		SUV		Truck		Van		All	
	Initial Fail	No Outcome	Initial Fail	No Outcome	Initial Fail	No Outcome	Initial Fail	No Outcome	Initial Fail	No Outcome
1996	1,376	579	138	77	274	105	47	22	1,835	783
1997	679	348	119	67	151	65	60	38	1,009	518
1998	2,487	976	212	98	418	140	115	57	3,232	1,271
1999	1,029	532	207	115	119	52	70	37	1,425	736
2000	3,923	1,481	251	121	429	124	169	75	4,772	1,801
2001	1,531	793	205	101	114	48	143	76	1,993	1,018
2002	4,846	1,635	359	123	414	93	217	91	5,836	1,942
2003	1,172	544	192	78	96	34	92	45	1,552	701
2004	3,500	1,005	330	94	396	71	81	26	4,307	1,196
2005	775	339	124	43	65	26	67	30	1,031	438
2006	2,718	677	162	44	217	36	107	24	3,204	781
2007	473	180	66	30	64	21	31	10	634	241
2008	1,657	351	88	19	179	47	65	15	1,989	432
2009	181	74	14	6	19	3	16	6	230	89
2010	567	123	76	13	55	9	45	3	743	148
2011	105	23	9	3	12	3	7		133	29
2012	226	47	82	13	48	15	47	10	403	85
2013	15	9			2	1	2	1	19	11
2014	3	2					1	1	4	3
2015			1						1	
2016	2								2	
Grand Total	27,265	9,718	2,635	1,045	3,072	893	1,382	567	34,354	12,223

VEHICLES PASSING OR FAILING OBD TEST

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xi) (xii) The number of vehicles tested by model year and vehicle type passing or failing the on-board diagnostic check.

Model Year & Vehicle Type		Fail	Pass	Grand Total	% Fail	% Pass
1996		2253	16440	18693	12.1%	87.9%
	Passenger	1705	12320	14025	12.2%	87.8%
	SUV	158	769	927	17.0%	83.0%
	Truck	338	2906	3244	10.4%	89.6%
	Van	52	445	497	10.5%	89.5%
1997		1370	6939	8309	16.5%	83.5%
	Passenger	955	5062	6017	15.9%	84.1%
	SUV	142	529	671	21.2%	78.8%
	Truck	207	1138	1345	15.4%	84.6%
	Van	66	210	276	23.9%	76.1%
1998		3944	29076	33020	11.9%	88.1%
	Passenger	3063	22179	25242	12.1%	87.9%
	SUV	236	1375	1611	14.6%	85.4%
	Truck	511	4787	5298	9.6%	90.4%
	Van	134	735	869	15.4%	84.6%
1999		1874	11056	12930	14.5%	85.5%
	Passenger	1403	8225	9628	14.6%	85.4%
	SUV	232	968	1200	19.3%	80.7%
	Truck	159	1382	1541	10.3%	89.7%
	Van	80	481	561	14.3%	85.7%
2000		5712	48564	54276	10.5%	89.5%
	Passenger	4767	38092	42859	11.1%	88.9%
	SUV	266	2229	2495	10.7%	89.3%
	Truck	490	6591	7081	6.9%	93.1%
	Van	189	1652	1841	10.3%	89.7%
2001		2650	14222	16872	15.7%	84.3%
	Passenger	2125	10665	12790	16.6%	83.4%
	SUV	227	1261	1488	15.3%	84.7%
	Truck	137	1637	1774	7.7%	92.3%
	Van	161	659	820	19.6%	80.4%
2002		6825	65497	72322	9.4%	90.6%
	Passenger	5735	52111	57846	9.9%	90.1%

2003	SUV	383	3826	4209	9.1%	90.9%
	Truck	470	7886	8356	5.6%	94.4%
	Van	237	1674	1911	12.4%	87.6%
	Passenger	1914	17298	19212	10.0%	90.0%
	SUV	1498	12885	14383	10.4%	89.6%
2004	SUV	207	1967	2174	9.5%	90.5%
	Truck	110	1667	1777	6.2%	93.8%
	Van	99	779	878	11.3%	88.7%
	Passenger	4886	73004	77890	6.3%	93.7%
	SUV	4020	58089	62109	6.5%	93.5%
2005	SUV	361	4849	5210	6.9%	93.1%
	Truck	419	8452	8871	4.7%	95.3%
	Van	86	1614	1700	5.1%	94.9%
	Passenger	1262	17938	19200	6.6%	93.4%
	SUV	978	13252	14230	6.9%	93.1%
2006	SUV	138	2057	2195	6.3%	93.7%
	Truck	75	1557	1632	4.6%	95.4%
	Van	71	1072	1143	6.2%	93.8%
	Passenger	3595	77926	81521	4.4%	95.6%
	SUV	3055	64429	67484	4.5%	95.5%
2007	SUV	174	4244	4418	3.9%	96.1%
	Truck	247	7034	7281	3.4%	96.6%
	Van	119	2219	2338	5.1%	94.9%
	Passenger	743	17626	18369	4.0%	96.0%
	SUV	558	13139	13697	4.1%	95.9%
2008	SUV	73	2216	2289	3.2%	96.8%
	Truck	75	1559	1634	4.6%	95.4%
	Van	37	712	749	4.9%	95.1%
	Passenger	2174	81241	83415	2.6%	97.4%
	SUV	1817	67046	68863	2.6%	97.4%
2009	SUV	92	4926	5018	1.8%	98.2%
	Truck	198	7486	7684	2.6%	97.4%
	Van	67	1783	1850	3.6%	96.4%
	Passenger	258	11174	11432	2.3%	97.7%
	SUV	207	8620	8827	2.3%	97.7%
2010	SUV	14	1309	1323	1.1%	98.9%
	Truck	20	887	907	2.2%	97.8%
	Van	17	358	375	4.5%	95.5%
	Passenger	786	65867	66653	1.2%	98.8%
	SUV	609	52494	53103	1.1%	98.9%
	SUV	77	6095	6172	1.2%	98.8%

2011	Truck	55	5507	5562	1.0%	99.0%
	Van	45	1771	1816	2.5%	97.5%
		147	5735	5882	2.5%	97.5%
	Passenger	115	3882	3997	2.9%	97.1%
	SUV	9	930	939	1.0%	99.0%
2012	Truck	16	609	625	2.6%	97.4%
	Van	7	314	321	2.2%	97.8%
		437	70933	71370	0.6%	99.4%
	Passenger	255	38865	39120	0.7%	99.3%
	SUV	83	20122	20205	0.4%	99.6%
2013	Truck	49	6171	6220	0.8%	99.2%
	Van	50	5775	5825	0.9%	99.1%
		20	3313	3333	0.6%	99.4%
	Passenger	15	1796	1811	0.8%	99.2%
	SUV	1	972	973	0.1%	99.9%
2014	Truck	2	289	291	0.7%	99.3%
	Van	2	256	258	0.8%	99.2%
		5	736	741	0.7%	99.3%
	Passenger	4	449	453	0.9%	99.1%
	SUV		178	178	0.0%	100.0%
2015	Truck		46	46	0.0%	100.0%
	Van	1	63	64	1.6%	98.4%
		2	292	294	0.7%	99.3%
	Passenger	1	157	158	0.6%	99.4%
	SUV	1	89	90	1.1%	98.9%
2016	Truck		14	14	0.0%	100.0%
	Van		32	32	0.0%	100.0%
		2	130	132	1.5%	98.5%
	Passenger	2	106	108	1.9%	98.1%
	SUV		16	16	0.0%	100.0%
	Truck		5	5	0.0%	100.0%
	Van		3	3	0.0%	100.0%
	Grand Total	40,859	635,007	675,866	6.0%	94.0%

COMPARISON OF ON-BOARD DIAGNOSTIC TESTS WITH OTHER TEST TYPES

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xiii)–(xviii) There is no data for comparing on-board diagnostic tests with other test types because Wisconsin only conducts on-board diagnostic tests.

CHECK ENGINE LIGHT COMMANDED ON

A small population of vehicles in southeastern Wisconsin produces most of the vehicle exhaust pollution – these are the so-called gross polluters. As vehicles are driven, problems can develop because of defective parts, improper maintenance or simply from deterioration due to age and usage. This helps explain why a vehicle can be relatively clean one year and become a gross polluter at the time of its next inspection. Since hydrocarbon, carbon monoxide and nitrogen oxides are invisible, a vehicle inspection is an effective method to ensure that a vehicle is not polluting excessively.

In most cases, if the vehicle's check engine light is commanded on due to an emission component malfunction, then the Diagnostic Trouble Codes (DTC) are recorded and provided to the motorist. The vehicle will fail this portion of the inspection if the check engine light is commanded on. However, there are also some instances where the check engine light is on but no DTCs are stored. In either case, the vehicle will need to be repaired and brought back for a re-inspection.

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xix) The number of vehicles tested by model year and vehicle type where the MIL is commanded on and no codes are stored

MIL Commanded On, No DTCs

Model Year	Passenger Car	Grand Total
1998	1	1
2000	4	4
2002	1	1
2003	1	1
2004	6	6
2006	1	1
2007	3	3
2012	3	3
Grand Total	20	20

Another condition that can occur is when the vehicle's check engine light is NOT commanded on but a Diagnostic Trouble Codes (DTC) is stored within the vehicle's computer. The most likely reason for this condition is a pending code indicating a problem within the vehicle that has not yet met the threshold for activating the check engine light, or a condition that has since resolved itself. Since the MIL is not commanded on, the vehicle will pass this portion of the inspection.

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xx)

The number of vehicles tested by model year and vehicle type where the MIL is not commanded on and codes are stored.

MIL Not Commanded On, DTCs Stored

Model Year	Passenger	SUV	Truck	Van	Grand Total
1996	1,622	101	482	61	2,266
1997	757	80	136	40	1,013
1998	2,792	211	702	108	3,813
1999	1,227	134	173	83	1,617
2000	4,396	308	763	186	5,653
2001	1,527	190	179	82	1,978
2002	6,101	474	783	155	7,513
2003	1,508	249	148	96	2,001
2004	6,061	537	633	195	7,426
2005	1,369	179	121	113	1,782
2006	5,477	394	455	197	6,523
2007	1,001	164	98	63	1,326
2008	3,275	205	406	136	4,022
2009	361	51	29	32	473
2010	1,382	188	149	110	1,829
2011	199	27	23	13	262
2012	637	243	102	99	1,081
2013	19	9	3	6	37
2014	9	2		2	13
2015	6	1			7
2016	7		1		8
Grand Total	39,733	3,747	5,386	1,777	50,643

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xxi)

The number of vehicles tested by model year and vehicle type where the MIL is commanded on and codes are stored.

MIL Commanded On, DTCs Stored

Model Year	Passenger	SUV	Truck	Van	Grand Total
1996	1,606	154	325	51	2,136
1997	910	133	206	61	1,310
1998	2,951	217	505	142	3,815
1999	1,338	218	152	89	1,797
2000	4,558	252	500	212	5,522
2001	2,035	205	147	164	2,551
2002	5,514	365	471	262	6,612
2003	1,439	194	111	98	1,842
2004	3,860	339	479	101	4,779
2005	947	128	87	85	1,247
2006	2,943	164	280	165	3,552
2007	527	69	74	37	707
2008	1,775	91	189	67	2,122
2009	201	14	20	17	252
2010	584	72	51	45	752
2011	107	7	15	7	136
2012	229	74	49	47	399
2013	14	1	2	1	18
2014	4			1	5
2015	1	2			3
2016	1				1
Grand Total	31,544	2,699	3,663	1,652	39,558

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xxii)

The number of vehicles tested by model year and vehicle type where the MIL is not commanded on and codes are not stored.

MIL Not Commanded On, No DTCs Stored

<i>Model Year</i>	<i>Passenger</i>	<i>SUV</i>	<i>Truck</i>	<i>Van</i>	<i>Grand Total</i>
1996	12,382	749	2,657	345	16,133
1997	5,300	570	1,102	198	7,170
1998	22,325	1,384	4,541	680	28,930
1999	8,515	1,001	1,340	431	11,287
2000	37,942	2,137	6,174	1,506	47,759
2001	12,625	1,410	1,805	752	16,592
2002	53,959	3,833	7,785	1,692	67,269
2003	13,622	1,984	1,723	784	18,113
2004	57,140	4,692	8,364	1,407	71,603
2005	13,487	2,080	1,564	1,016	18,147
2006	62,863	4,059	6,783	1,973	75,678
2007	12,983	2,172	1,587	701	17,443
2008	66,264	4,888	7,505	1,749	80,406
2009	8,664	1,308	945	348	11,265
2010	52,338	6,025	5,555	1,736	65,654
2011	3,848	933	669	336	5,786
2012	39,030	20,084	6,225	5,788	71,127
2013	1,820	971	288	258	3,337
2014	455	178	47	61	741
2015	158	89	15	32	294
2016	104	16	4	3	127
<i>Grand Total</i>	485,824	60,563	66,678	21,796	634,861

READINESS MONITORS:

A vehicle's OBD system continually tracks and stores information about the emission control devices and other engine related components. Readiness monitors indicate if components have been fully evaluated and whether system components have experienced any driving conditions that prevent the vehicle from operating as designed by the manufacturer. The test equipment reads the readiness monitor statuses as part of the vehicle emissions inspection.

Vehicles "Not Ready" for OBD testing receive a reject test result. For 1996 - 2000 model year vehicles, a vehicle can have up to 2 readiness monitors unset; for 2001 and newer vehicles, only 1 readiness monitor can be unset. If the unset readiness monitors exceed the requirements, the vehicle will be rejected from further testing until this condition is corrected.

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xxiii)

The number of vehicles tested by model year and vehicle type where the readiness status indicates that the evaluation is not complete for any module supported by on-board diagnostic systems.

Readiness Monitors Not Complete By Model Year and Vehicle Type

Model Year	Passenger	SUV	Truck	Van	Grand Total
1996	1,904	106	382	47	2,439
1997	1,176	137	186	52	1,551
1998	3,278	241	555	122	4,196
1999	1,737	200	203	72	2,212
2000	4,648	246	524	172	5,590
2001	4,099	420	453	280	5,252
2002	8,954	574	927	340	10,795
2003	2,586	312	261	143	3,302
2004	5,496	425	786	113	6,820
2005	1,740	227	183	112	2,262
2006	4,228	253	374	104	4,959
2007	889	121	126	58	1,194
2008	2,533	176	419	108	3,236
2009	413	52	87	25	577
2010	1,173	119	188	69	1,549
2011	139	25	85	35	284
2012	657	151	139	101	1,048
2013	35	6	2	6	49
2014	8		1		9
2015	4	1	1		6
2016	3		2		5
Grand Total	45,700	3,792	5,884	1,959	57,335

INITIAL TEST VOLUME BY MODEL YEAR AND STATION

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(3)

The initial test volume by model year and test station.

Data Found In Appendix I

INITIAL TEST FAILURE RATE BY MODEL YEAR AND TEST STATION

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(4)

The initial test failure rate by model year and test station

Data Found in Appendix 2

CHANGE IN TAILPIPE EMISSION LEVELS AFTER REPAIRS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(5)

The average increase or decrease in tailpipe emission levels for HC, CO and NOX (if applicable) after repairs by model year and vehicle type for vehicles receiving a mass emissions test.

Not Applicable – On-Board Diagnostic Testing Only

QUALITY ASSURANCE REPORT

TESTING NETWORK

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(1)(i)

The number of inspection stations and lanes

The testing network consists of 200 stations and five technical assistance centers. The Private Inspection facilities are listed below in Table III.

PRIVATE INSPECTION FACILITIES OPERATING ON DECEMBER 31, 2015

WIST	Company	Address	City	Zip
WIST1002	Engine & Transmission Exchange	2727 S. 27th St.	Milwaukee	53215
WIST1003	Allenton Service	5908 Hillcrest Dr.	Allenton	53002
WIST1012	Butler Auto Body	4830 N. 125th St.	Butler	53007
WIST1013	Mobil 1 Lube Express #12	W156N8390 Pilgrim Rd	Menomonee Falls	53051
WIST1014	Mission Auto Services	1230 South West Ave	Waukesha	53186
WIST1015	Sudz Wash and Lube	N95W18255 Appleton Avenue	Menomonee Falls	53051
WIST1016	Tenley Auto	9208 W Capitol Dr	Milwaukee	53222
WIST1017	Valvoline-North Ave.	1700 E North Ave	Milwaukee	53202
WIST2001	Braeger Chevy Inc	4100 S. 27th St	Milwaukee	53221
WIST2003	Hartnell Chevrolet	7800 Antioch Rd. (Hwy 83)	Salem	53168
WIST2014	Midas Auto Service Center	3706 W. Wisconsin Ave.	Milwaukee	53208
WIST2015	Heiser Toyota	11301 W. Metro Blvd.	Milwaukee	53224
WIST2017	Ewald Chevrolet	36833 E. Wisconsin Ave	Oconomowoc	53066
WIST2018	Fast Track Oil Change #13	1557 E Moreland Blvd	Waukesha	53186
WIST2019	Automotive Solutions	215 Klein Lane	Saukville	53080
WIST2020	Sudz Wash and Lube	7700 W. Rawson Ave	Franklin	53132
WIST2021	Port Washington Superlube	1610 N Wisconsin St	Port Washington	53074
WIST2023	Auto Diagnostics	11321 W. Greenfield	West Allis	53214

WIST2024	Valvoline-Main	1951 E Main St	Waukesha	53186
WIST3003	Accelerated Auto Service	667 W. State St.	Burlington	53105
WIST3005	Gordie Boucher Ford Lincoln	3021 W. Washington St.	West Bend	53095
WIST3006	Martin's Automotive Services	W230S8750 Wynn Dr	Big Bend	53103
WIST3013	John Amato Hyundai Inc.	8301 N. 76th St.	Milwaukee	53223
WIST3014	Komp Tech Automotive Service	8832 W. Greenfield Ave.	West Allis	53214
WIST3016	Mobil 1 Lube Express	1328 Indiana Ave.	Sheboygan	53081
WIST3018	Larry's Auto	6373 N 91st St	Milwaukee	53225
WIST3021	Eric Von Schledorn	W4873 County Road RR	Random Lake	53075
WIST3022	Fleet 1	749 W State St	Milwaukee	53223
WIST3023	John Amato Nissan	5200 N Port Washington Rd	Glendale	53217
WIST3024	Valvoline-Greenfield	4839 S. 27th Street	Greenfield	53221
WIST4002	Joe's Slinger Service LLC	220 Info Hwy. Crt.	Slinger	53086
WIST4003	Kusch's Automotive	136 N. 120th St.	Wauwatosa	53226
WIST4004	Jim's Mobil Service Inc.	12401 W. Cleveland Ave.	New Berlin	53151
WIST4006	Newman Chevrolet	1181 Wauwatosa Rd	Cedarburg	53012
WIST4009	Bluemound Auto Service	6000 W. Bluemound Rd	Wauwatosa	53213
WIST4014	Laubenheimer's Garage LLC	1860 Hwy 175, PO Box 36	Richfield	53076
WIST4017	F & F Tire World	2930 W. Rawson Ave.	Franklin	53132
WIST4019	Fleet Auto Sales & Service	7400 W. National Ave.	West Allis	53214
WIST4026	Russ Darrow Kia of Wauwatosa	1901 N. Mayfair Rd	Wauwatosa	53226
WIST4031	R & R Automotive	6930 39th Ave.	Kenosha	53142
WIST4032	Laus Tire & Auto	5025 W. Villard Ave.	Milwaukee	53218
WIST4039	Van Horn Dodge	3000 Eastern Ave	Plymouth	53073
WIST4040	Ewald Venus Ford	2727 E. Layton Ave.	Cudahy	53110
WIST4042	Meineke Car Care Center	4320 S 27TH ST	Milwaukee	53221
WIST4043	Fast Track Oil Change #7	4296 S 27TH ST	Milwaukee	53221
WIST4044	Fast Track Oil Change #11	6207 W North Ave	Wauwatosa	53213

WIST4045	Bob's Main Street Auto & Tow	1200 N Main St	West Bend	53090
WIST4048	West Bend Super Lube	2535 W Washington St	West Bend	53095
WIST4049	LaBelle Auto	N56W39413 Hwy 16	Oconomowoc	53066
WIST4050	Rick's Car Care	6121 W Mequon Rd	Mequon	53092
WIST4051	Kastenson Auto	21445 Durand Ave	Union Grove	53182
WIST4052	Extreme Complete Auto	2405 W. Center St.	Milwaukee	53206
WIST4053	Liberty Street Auto	1313 Liberty St.	Racine	53404
WIST4054	Valvoline-Plymouth	1950 Eastern Ave	Plymouth	53073
WIST5003	Russ Darrow Chrysler Jeep Dodge	7676 North 76th St	Milwaukee	53223
WIST5004	O'Gorman's West Town Auto	7105 W. North Ave.	Wauwatosa	53213
WIST5005	Dave's Garage Inc.	5454 W. Forest Home Ave.	Greenfield	53220
WIST5007	Monro	N88W15176 Main St.	Menomonee Falls	53051
WIST5008	Bob's Main Street Auto & Tow	115 W. Decorah Rd	West Bend	53095
WIST5009	F & F Tire World	410 N. Moorland Rd	Brookfield	53005
WIST5011	F & F Tire World	20120 Bluemound Rd.	Brookfield	53045
WIST5012	Krueger's Auto Tech Center	W61N225 Cardinal Ave.	Cedarburg	53012
WIST5014	Frank Boucher Chevrolet Cadillac	8600 Washington Ave.	Racine	53406
WIST5015	Durand Automotive Center	1623 Durand Ave.	Racine	53403
WIST5017	Pro Auto Center	303 E. Monroe Ave.	Hartford	53027
WIST5021	Monro	5930 W. Bluemound Rd	Milwaukee	53213
WIST5023	Russ Darrow Mitsubishi	W226S1700 Hwy 164	Waukesha	53186
WIST5028	Braeger Ford Inc	4201 S. 27th St	Milwaukee	53221
WIST5029	Palmen Buick, GMC, Cadillac	7110 74th Place	Kenosha	53142
WIST5036	Monro	3849 S. 27th St.	Milwaukee	53221
WIST5037	Richlonns Tire & Service Center	4440 S. 108th St.	Greenfield	53228
WIST5040	Dads Auto Service	S98W12575 Loomis Crt.	Muskego	53150
WIST5041	Falls Auto Tech	N84W15859 Appleton Ave.	Menomonee Falls	53051
WIST5044	Russ Darrow Nissan	11212 W Metro Blvd	Milwaukee	53224

WIST5045	Dave's Truck & 4 X 4 Repair, LLC	2993 Sherman Rd.	Jackson	53037
WIST5047	Monro	1212 S. 108th St.	West Allis	53214
WIST5049	Chris Auto Service	14000 W. Greenfield Ave.	Brookfield	53005
WIST5053	Mayer Automotive LLC.	W6082 Hwy W	Cascade	53011
WIST5055	Curriepark Auto Center	10745 W. Capitol Dr.	Wauwatosa	53222
WIST5056	Aamco Transmission #15160 (#423)	9055 N. 76th St.	Milwaukee	53223
WIST5058	Ruby Isle Auto	11137 W. Silver Spring Dr.	Milwaukee	53225
WIST5061	Engine & Transmission Exchange	1604 S. West Ave.	Waukesha	53189
WIST5066	Grady's Automotive Inc.	6272 S. Packard Ave	Cudahy	53110
WIST5069	Fast Track Oil Change #08	7515 W Capitol Dr	Milwaukee	53216
WIST5070	Tender Car Care	1825 S Kinnickinnic Ave	Milwaukee	53204
WIST5071	Fast Track Oil Change #05	5428 Washington Ave	Racine	53406
WIST5074	Valvoline-68th St	112 S. 68th St.	Milwaukee	53214
WIST6001	M & M Citgo	2101 Douglas Ave.	Racine	53402
WIST6004	Chuck's Main St. Auto	N64W23876 Main St.	Sussex	53089
WIST6007	Anderson Automotive	240 Highland Dr.	Fredonia	53021
WIST6012	Monro	7500 W. Layton Ave.	Greenfield	53220
WIST6013	Lutter's Elmbrook Automotive	16880 Greenfield Ave.	Brookfield	53005
WIST6014	Monro	6084 S. Packard Ave.	Cudahy	53110
WIST6016	Mertens Auto Service Center	389 Milwaukee Ave.	Burlington	53105
WIST6018	Paul's Bender Center	8313 22nd Ave.	Kenosha	53143
WIST6021	Maddison Automotive	210 N. Wales Rd.	Wales	53183
WIST6022	Hall Automotive	704 Bluemound Rd.	Waukesha	53189
WIST6026	Martin Ford	19215 Spring St	Union Grove	53182
WIST6030	John Amato Ford	1015 S Main St	Mukwonago	53149
WIST6031	Valvoline-Muskego	N167S7825 Lions Park Dr	Muskego	53150
WIST6033	Eric Von Schledorn	805 E Green Bay Rd	Saukville	53080
WIST6034	New Berlin Tire	15650 W National Ave	New Berlin	53151
WIST6035	Good Hope Service	4230 W. Good Hope Rd.	Milwaukee	53209

WIST6036	Sunset Auto Service	1194 FOND DU LAC AVE	Sheboygan Falls	53085
WIST6037	Valvoline-Kenosha	3015 52nd St	Kenosha	53144
WIST6038	Valvoline-Moreland	832 E Moreland Blvd	Waukesha	53186
WIST6039	Valvoline-Delafield	2325 Sun Valley Dr	Delafield	53018
WIST6040	Valvoline-27th St	3360 S. 27th St.	Milwaukee	53221
WIST7003	Anastos Motors Inc.	4513 S. Greenbay Rd	Kenosha	53144
WIST7004	Passehl's BP	4625 Taylor Ave.	Racine	53405
WIST7006	Russ Darrow West Bend	3210 W. Washington St.	West Bend	53095
WIST7007	Midas	1230 S. Green Bay Rd	Racine	53406
WIST7009	Russ Darrow Honda	9301 W. Brown Deer Rd	Milwaukee	53224
WIST7011	Salem Auto Service	8515 Antioch Rd	Salem	53168
WIST7014	Oak Creek Automotive Inc.	7948 S. 27th St.	Oak Creek	53154
WIST7015	Monro	13190 W. Capitol Dr.	Brookfield	53005
WIST7016	Hartland Services Inc.	400 Industrial Dr	Hartland	53029
WIST7017	Richlonns Tire & Service Centers	5418 Washington Ave.	Racine	53406
WIST7018	Ernie von Schledorn, Inc.	N88W14167 Main St.	Menomonee Falls	53051
WIST7020	American Muffler & Automotive	5933 S. Pine St.	Burlington	53105
WIST7021	Expert Car Care Inc.	6803 W. National Ave.	West Allis	53214
WIST7022	John Paul's Buick GMC	3615 S. 108th St.	Greenfield	53228
WIST7023	Lisbon Sales & Services	7515 W. Lisbon Ave.	Milwaukee	53216
WIST7024	Midas	4500 52nd St.	Kenosha	53144
WIST7025	Midas	N96W18375 Hwy Q	Menomonee Falls	53052
WIST7027	Midas Auto Service Center	5811 W. Capitol Dr.	Milwaukee	53216
WIST7030	National Pride Auto	5512 75th St.	Kenosha	53142
WIST7031	Nelson's Automotive of Pewaukee	N49W22900 Commerce Ctr. Dr.	Pewaukee	53072
WIST7032	North Avenue Firestone	4926 W. North Ave.	Milwaukee	53208
WIST7033	Pinkalla Auto Solutions	3059 Durand Ave.	Racine	53403
WIST7036	Racine Auto Specialist	2320 Douglas Ave.	Racine	53402
WIST7039	Richfield Service	1810 Wolf Rd	Richfield	53076

WIST7040	Richlonns Tire & Service Center	S78W18755 Janesville Rd	Muskego	53150
WIST7041	Richlonns Tire & Service Center	5131 S. 76th St.	Greendale	53129
WIST7042	Richlonns Tire & Service Center	2480 W. Sunset Dr.	Waukesha	53189
WIST7044	Oil Express	N88W15220 Main St.	Menomonee Falls	53051
WIST7045	Rivers Edge Oil & Tire	811 S. Rochester St.	Mukwonago	53149
WIST7046	Weigman's Automotive Inc	7169 W. Fond du Lac Ave.	Milwaukee	53218
WIST7049	Russ Darrow Toyota	2700 W. Washington St.	West Bend	53095
WIST7052	Silver Lake Auto Service Inc.	36355 E. Wisconsin Ave.	Oconomowoc	53066
WIST7053	Silver Lake Auto Service Inc.	551 N. Cogswell Dr.	Silver Lake	53170
WIST7054	Sippl's Auto Service Inc.	N87W17460 Main St.	Menomonee Falls	53051
WIST7055	South Milwaukee Car Care Center	1221 N. Chicago Ave.	South Milwaukee	53172
WIST7056	Southtown Tire & Auto	2906 S. 108th St.	West Allis	53227
WIST7061	Theel Auto Inc.	N8364 County Rd J	Elkhart Lake	53020
WIST7062	Tires Unlimited Automotive Service	1557 N. Wisconsin St.	Port Washington	53074
WIST7064	Trust Tire	10432 N Port Washington Rd	Mequon	53092
WIST7065	Twenty First Century Auto	5300 W. Forest Home Ave.	Milwaukee	53220
WIST7067	Village Tire & Auto	W172N12185 Division Rd	Germantown	53022
WIST7068	Wales Super Lube #421	120 W. Summit Ave	Wales	53183
WIST7069	Silvernail Emissions	2210 Silvernail Rd	Pewaukee	53072
WIST7070	Weissman Automotive	W140N10455 Fond du Lac Ave.	Germantown	53022
WIST7071	Welks Automotive	8333 W. Layton Ave.	Greenfield	53220
WIST7072	Westside Auto Center	820 W. Sumner St.	Hartford	53027
WIST7073	Wilmot Auto Service Inc.	11307 Fox River Rd	Wilmot	53192
WIST7074	Wisconsin Muffler	3634 W. Lincoln Ave.	Milwaukee	53215
WIST7075	Wisconsin Muffler	13320 W. College Ave.	New Berlin	53151
WIST7076	WJ Kuhn Automotive Center Inc.	8511 S. Howell Ave.	Oak Creek	53154
WIST7078	Griffin Ford	1940 E. Main St.	Waukesha	53186
WIST7079	Koplein Tune & Lube	7960 N. 76th St.	Milwaukee	53223

WIST7080	Schmidt Bros Ford Lincoln	925 E. Green Bay Rd	Saukville	53080
WIST7081	Farkas Automotive Inc.	8008 N. Sherman	Brown Deer	53209
WIST7083	Sheboygan Chevrolet GMC Buick	3400 S. Business Dr.	Sheboygan	53081
WIST7086	Russ Darrow Kia of Waukesha	2141 E. Moreland Blvd	Waukesha	53186
WIST7088	Hoffman Auto & Tire	6000 49th St.	Kenosha	53144
WIST7090	Carwurx Plus	10685 W. Layton Ave.	Greenfield	53228
WIST7092	G-Brock's Auto Repair	375 E. Ottawa Ave	Dousman	53118
WIST7093	Gordon's Wheel Service	3595 N. 124 St.	Brookfield	53005
WIST7094	Muskego Tire & Auto	573W16610 Janesville Rd	Muskego	53150
WIST7095	National Complete Auto Care	16405 W. National Ave.	New Berlin	53151
WIST7098	Shorewood Auto Repair	1330 E. Capitol Dr.	Shorewood	53211
WIST7103	Meyer Motors Inc.	107 Plaza Lane	Plymouth	53073
WIST7106	Wilde Toyota	3225 S. 108 St.	West Allis	53227
WIST7108	Mobil1 Lube Express	2757 Calumet Dr.	Sheboygan	53081
WIST7109	Mobil1 Lube Express	3669 S. Taylor Dr.	Sheboygan	53081
WIST7113	Fast Track Oil Change #03	5400 S. 108th St.	Hales Corners	53130
WIST7115	Black Tie Auto Services	584W21172 Janesville Rd	Muskego	53150
WIST7116	Fast Track Oil Change #10	14245 W. Capitol Dr.	Brookfield	53005
WIST7117	Sudz Wash and Lube	5506 S Packard Ave	Cudahy	53110
WIST7118	Tech Way	4004 S Kinnickinnic Ave	St Francis	53235
WIST7119	Fast Track Oil Change #02	W62N271 Washington Ave	Cedarburg	53012
WIST7120	Manyo Motors	4035 n Greenbay Ave	Milwaukee	53209
WIST7121	Boucher Hyundai	1583 E Moreland Blvd	Waukesha	53186
WIST7123	Tires Plus - Kenosha	7424 74th Place	Kenosha	53142
WIST7124	Valvoline-Glendale	6100 N Port Washington Rd	Glendale	53217
WIST7125	Valvoline-Capitol	7028 W Capitol Dr	Milwaukee	53216
WIST7126	Valvoline-Racine	5920 21st St	Racine	53405
WIST7127	Valvoline-Pewaukee	1812 Silvernail Rd	Pewaukee	53072

<i>WIST8001</i>	Silver Lake Auto Center	N76W30620 HWY VV	Hartland	53029
<i>WIST8002</i>	Fast Track Oil Change #1	15400 W National Ave	New Berlin	53151
<i>WIST8004</i>	National Auto Tech	630 W. National Ave	Milwaukee	53204
<i>WIST8005</i>	Fast Track Oil Change #04	6942 W Brown Deer Rd	Milwaukee	53223
<i>WIST8006</i>	Fast Track Oil Change #09	5450 N Port Washington Rd	Glendale	53216
<i>WIST8007</i>	Fast Track Oil Change #6	3130 S 108th St	West Allis	53227
<i>WIST8008</i>	R.K. Motors	3700 N Holton St	Milwaukee	53212
<i>WIST8009</i>	Jackson Superlube	W213N16770 Glen Brook Dr	Jackson	53037
<i>WIST8010</i>	Pope Auto	10204 W Greenfield Ave	West Allis	53214
<i>WIST8011</i>	Mike's Quality Auto	457 Falcon Ridge Dr	Burlington	53105
<i>WISTT001</i>	Jerry's Auto Service Inc. (TAC)	W229N2467 Hwy F	Waukesha	53186
<i>WISTT002</i>	Anaya's Auto Repair (TAC)	2515 52nd St.	Kenosha	53140
<i>WISTT003</i>	Auto Analyzers (TAC)	8404 W. Greenfield Ave.	West Allis	53214
<i>WISTT005</i>	Schaefer Service Center (TAC)	1130 E. Commerce Blvd	Slinger	53086
<i>WISTT006</i>	Carlton Automotive Inc. (TAC)	1318 Center St., PO Box 700288	Oostburg	53070

PRIVATE INSPECTION FACILITIES DEACTIVATED IN 5

<i>Date Deactivated</i>	<i>Station Number</i>	<i>Company</i>	<i>Address</i>	<i>City</i>	<i>Zip</i>
1/1/2015	WIST1006	Honda City	3450 S 108th St.	Greenfield	53227
1/5/2015	WIST4011	Junior Tire & Automotive Service Inc.	201 S Main St.	Thiensville	53092
1/15/2015	WIST3004	Gordie Boucher Ford	8301 75th St.	Kenosha	53142
1/27/2015	WIST8014	Oak Creek Superlube	6906 S 27th St	Oak Creek	53154
2/11/2015	WIST5052	Jacks Auto Service Inc.	9901 Kraut Rd	Franksville	53126
3/18/2015	WIST7104	Heiser Quick Motors	7800 N 76th St.	Milwaukee	53223
6/4/2015	WIST6028	Hands on Garage	5757 N Lovers Lane	Milwaukee	53225
6/5/2015	WIST3019	Lemay Auto	8220 75th ST	Kenosha	53142
6/26/2015	WIST2016	O'Reilly Motor Cars Inc	324 West Cherry St.	Milwaukee	53212
6/30/2015	WIST4024	Girard's Service	5517 W. Rawson Ave.	Franklin	53132
8/14/2015	WIST7019	Affordable Car & Marine Firestone	12465 W. Lisbon Rd	Brookfield	53005
10/5/2015	WIST5072	Habegger	102 E. Capitol Dr.	Milwaukee	53212
10/8/2015	WIST3017	Valvoline	6100 N Port Washington Rd	Glendale	53217
10/8/2015	WIST3020	Valvoline	2325 Sun Valley Dr	Delafield	53018
10/8/2015	WIST4046	Valvoline	3015 52nd St	Kenosha	53144
10/8/2015	WIST4047	Valvoline	7028 W Capitol Dr	Milwaukee	53216
10/8/2015	WIST5073	Valvoline	1700 E North Ave	Milwaukee	53202
10/8/2015	WIST6027	Valvoline	1812 Silvernail Rd	Pewaukee	53072
10/8/2015	WIST6029	Valvoline	5920 21st St	Racine	53405
10/8/2015	WIST7111	Valvoline	3360 S. 27th St.	Milwaukee	53221
10/8/2015	WIST7112	Valvoline	112 S. 68th St.	Milwaukee	53214
10/8/2015	WIST7122	Valvoline	1950 Eastern Ave	Plymouth	53073
10/8/2015	WIST8012	Valvoline	832 E Moreland Blvd	Waukesha	53186
10/8/2015	WIST8013	Valvoline	1951 E Main St	Waukesha	53186

The 12 Valvolines changed ownership so their old "WIST" number was deactivated and a new one assigned to each facility.

TECHNICAL ASSISTANCE CENTERS

Station Number	Company	Address	City	Zip
<i>WISTT001</i>	Jerry's Auto Service Inc. (TAC)	W229N2467 Hwy F	Waukesha	53186
<i>WISTT002</i>	Anaya's Auto Repair (TAC)	2515 52nd St.	Kenosha	53140
<i>WISTT003</i>	Auto Analyzers (TAC)	8404 W. Greenfield Ave.	West Allis	53214
<i>WISTT005</i>	Schaefer Service Center (TAC)	1130 E. Commerce Blvd	Slinger	53086
<i>WISTT006</i>	Carlton Automotive Inc. (TAC)	1318 Center St., PO Box 700288	Oostburg	53070

OVERT AND COVERT PERFORMANCE AUDITS

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(2)(i)(ii)(v)

The number of inspection stations and lanes operating throughout the year:

(i) Receiving overt performance audits in the year: 211

(ii) Not receiving overt audits in the year: 3

(iii) Receiving covert audits in the year: 207

(iv) Not receiving covert audits in the year: 7

(v) That have been shut down as a result of overt performance audits: 13

State auditors conduct overt performance audits in conjunction with their equipment audits each week at the inspection facilities. The following table addresses the overt and covert performance audit activity.

COVERT AUDITS

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(3)

There were 424 covert audits conducted in 2015.

FINES, SUSPENSION OR TERMINATION DUE TO AUDIT FAILURES

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(4)

No inspectors and one station were suspended, fined or prohibited from testing as a result of overt or covert audits.

Eight inspectors and one station were suspended or prohibited from testing due to violations uncovered during data analysis.

NUMBER OF INSPECTORS LICENSED OR CERTIFIED TO CONDUCT TESTING

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(5)

There were 1,547 inspectors certified to conduct tests in 2015.

NUMBER OF HEARINGS

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(6)

There were 0 hearings held to consider adverse actions against inspectors and stations.

FINES

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(7)

There was \$0 collected in fines from inspectors and stations.

COVERT AUDITS

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(8)

There were 5 covert vehicles available for undercover audits.

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(9)

There was 5 auditor(s) available for undercover audits.

QUALITY CONTROL REPORT

NUMBER OF EMISSION TESTING SITES AND LANES

USEPA Reporting Requirement: 40 CFR Part 51.366 (c)(1)

There were 214 inspection sites available for testing in 2015.

NUMBER OF EQUIPMENT AUDITS BY STATION AND LANE

USEPA Reporting Requirement: 40 CFR 51.366 (c)(2)

Equipment audits by station and lane.

There were 3,081 equipment audits conducted in 2015.

USEPA Reporting Requirement: 40 CFR 51.366 (c)(3)

The number and percentage of stations that have failed equipment audits:

There were 0 stations that failed equipment audits in 2015.

USEPA Reporting Requirement: 40 CFR 51.366 (c)(4)

The number and percentage of stations and lanes shut down as a result of an equipment audit:

There were 0 stations that were shut down resulting from an equipment audit failure.

ENFORCEMENT REPORT

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(i): An estimate of the number of vehicles subject to the inspection program, including the results of an analysis of the registration database.

Each month, the Wisconsin Department of Transportation selects vehicles subject to the mandatory testing requirement for registration renewal purposes. There were 582,187 vehicles selected (model years: 1996, 1998, 2000, 2002, 2004, 2006, 2010 and 2012) for notification in 2015. There were an additional estimated 154,638 vehicles selected for notification at change of ownership, for an estimated 736,825 vehicles.

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(ii): The percentage of motorists compliance based upon a comparison of the number of valid final tests with the number of subject vehicles.

Overall, 627,888 vehicles receiving mandatory inspections in 2015 received a pass, waiver or diagnostic waiver test result. This is an 85.2% compliance rate for mandatory testing requirements. Variables include vehicles that changed ownership at the time their registrations were due and vehicles that were moved outside of the testing area after the registration select occurred.

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(iii): The total number of compliance documents issued to inspection stations. o

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(iv) The number of missing compliance documents. o

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(v) The number of time extensions and other exemptions granted to motorists. There were 21,650 temporary plates issued in 2015. WisDOT Vehicle Emissions Inspection Unit issued 124 temporary exemptions, and DMV issued 3,655 temporary exemptions in 2015.

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(vi) The number compliance surveys conducted, number of vehicles surveyed in each, and the compliance rates found.

There were 0 compliance surveys conducted in 2015.

REGISTRATION DENIAL BASED ENFORCEMENT PROGRAMS

USEPA Reporting Requirement: 40 CFR 51.366 (d)(2)(i) A report of the program's efforts and actions to prevent motorists from falsely registering vehicles out of the program area or falsely changing fuel type or weight class on the vehicle registration, and the results of special studies to investigate the frequency of such activity.

In 2015, WisDOT personnel completed investigations on 333 vehicles that listed domicile outside of the program area, but were suspected of being kept in the program area. After receiving notification for WisDOT, 205 vehicles submitted to testing and received a passing result; 75 vehicles were suspended for failing to comply; 14 were junked or sold and 39 provided verification that they were being kept outside of the program area.

USEPA Reporting Requirement: 40 CFR 51.366 (d)(2)(ii) The number of registration file audits, number of registrations reviewed and compliance rates found in such audits.

There were 0 registration file audits conducted in 2015.

COMPUTER-MATCHING BASED ENFORCEMENT PROGRAMS

USEPA Reporting Requirement: 40 CFR 51.366 (d)(3) Wisconsin is a registration denial based enforcement system. This section is not applicable.

STICKER- BASED ENFORCEMENT PROGRAMS

USEPA Reporting Requirement: 40 CFR 51.366 (d)(4) Wisconsin is a registration denial based enforcement system. This section is not applicable

Appendix 1
Initial Test Volume By Model Year and Test Station
40 CFR Part 51.366 (a)(3)

Test Station	Model Year																				Grand Total	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015		2016
WIST1002	79	24	140	41	194	64	265	78	251	68	209	73	182	42	114	10	102	7	1	1		1,945
WIST1003	31	8	49	17	113	26	137	29	147	21	129	25	159	24	124	10	126	2	1	1		1,179
WIST1006										2			1									3
WIST1012	26	10	42	17	76	15	79	12	87	16	101	25	115	12	76	4	104	7	1	1		826
WIST1013	43	12	98	27	153	25	210	34	258	57	307	61	354	40	325	23	342	16	3	1	1	2,390
WIST1014	125	55	188	92	333	95	459	117	453	110	424	119	409	55	314	26	363	12		4		3,753
WIST1015	131	56	262	108	493	131	777	170	963	224	1,117	244	1,270	168	1,035	86	1,223	61	13	4	2	8,538
WIST1016	32	12	43	19	58	23	91	26	72	28	71	24	70	13	50	5	58	2	2			699
WIST1017	16	13	53	27	81	34	90	54	109	36	102	41	117	33	122	18	125	22		2	1	1,096
WIST2001	181	63	309	106	429	137	647	192	715	154	765	223	824	123	667	82	716	34	6	3		6,376
WIST2003	59	25	99	35	177	46	215	51	278	69	262	62	325	37	266	23	358	13	5			2,405
WIST2014	102	68	171	93	272	125	278	120	280	87	282	72	236	42	164	16	131	4	3	1		2,547
WIST2015	52	14	77	29	136	36	202	55	272	66	358	77	453	63	420	37	444	28	12	8	3	2,842
WIST2016	58	30	82	56	144	55	185	65	189	60	207	70	222	31	160	19	138	4	3			1,778
WIST2017	40	12	79	22	89	31	185	29	245	53	333	51	375	49	289	33	414	14	3			2,346
WIST2018	72	35	141	57	255	61	341	100	405	100	509	97	490	71	457	44	455	26	3		1	3,720
WIST2019	21	5	50	6	83	20	94	17	78	18	105	12	103	20	95	7	92	3	1			830
WIST2020	127	43	252	75	409	110	619	152	872	177	953	177	1,152	129	954	97	1,331	63	6	1		7,699
WIST2021	18	2	44	12	65	25	82	32	128	20	143	24	115	14	117	6	143	7	1		3	1,001
WIST2023	8	2	9	1	7		10	3	19	3	15	4	15	1	11	3	11	4				126
WIST2024	12	5	17	8	31	9	32	16	50	18	62	19	67	5	61	9	60	5	1			487
WIST3003	43	14	77	19	110	33	166	30	183	55	187	40	178	31	118	14	176	3	2		1	1,480
WIST3004	3	1	2	1	11	8	5	7	10	9	11	6	6	3	16	3	19	1				122
WIST3005	69	36	118	29	204	56	260	55	338	74	406	75	482	50	461	46	441	39	6	2	1	3,248
WIST3006	70	17	81	24	150	40	193	41	191	28	193	38	211	18	134	14	172	11				1,626
WIST3013	88	47	160	69	262	104	372	120	399	124	438	144	571	92	407	69	462	47	15	6	2	3,998
WIST3014	66	21	120	50	188	54	192	67	199	63	200	59	165	24	138	13	111	8				1,738
WIST3016	164	72	261	77	416	134	549	129	536	162	519	134	500	61	366	14	424	9	5	1		4,533
WIST3017	54	20	104	40	193	46	258	92	371	73	426	103	449	58	442	37	545	10	2	1	1	3,325
WIST3018	68	47	96	63	180	85	180	70	193	74	178	75	146	30	102	21	129	4	3	1		1,745
WIST3019	18	6	16	6	44	6	41	7	63	15	76	20	78	16	74	12	86	7		1	1	593
WIST3020	24	4	27	9	50	7	77	30	112	13	168	26	187	14	169	7	261	8		3		1,196
WIST3021	14	6	17	4	45	12	47	14	79	13	70	17	71	10	59	10	73	12	3	1	1	578
WIST3022	2	2	9		29	6	13		24	3	5	8	27		7	16	11	5	1		1	169
WIST3023	26	3	18	6	34	7	52	10	59	15	89	13	105	26	134	14	183	16	3		2	815
WIST3024		1					3	2	1		2	2	3	2	2	1						19
WIST4002	28	7	57	15	78	12	130	27	136	23	150	28	178	17	114	15	128	9	4			1,156
WIST4003	105	32	144	56	280	93	398	61	358	78	451	103	485	61	397	35	449	8	6	1	2	3,603
WIST4004	79	31	140	36	246	47	389	76	408	56	413	76	458	52	385	24	402	15	4	1		3,338
WIST4006	149	48	255	71	454	80	675	114	757	151	906	178	1,077	125	852	87	897	57	6	2		6,941
WIST4009	48	22	77	23	125	38	197	45	231	64	263	38	269	34	209	13	226	7	1	1	2	1,933
WIST4011	1			2	1		3	1	2	1	3	1	3	1	1		4					24
WIST4014	29	8	47	8	86	14	110	21	126	18	110	21	116	15	96	8	94	4		1		932
WIST4017	66	29	138	41	224	66	393	87	461	82	486	80	569	59	466	28	499	10	4			3,788
WIST4019	68	19	115	41	152	41	216	47	188	53	165	39	176	20	116	10	109	2	3			1,580
WIST4024	31	12	63	9	101	17	178	19	219	29	197	27	264	8	222	11	219	5				1,631
WIST4026	28	5	34	14	96	15	120	27	180	39	210	40	276	41	252	27	324	14	6	6	2	1,756
WIST4031	122	67	202	100	314	97	421	103	367	94	404	89	327	50	263	23	267	9	4	1		3,324
WIST4032	249	144	351	246	615	262	666	258	549	217	532	179	469	98	294	53	284	9	7	1	1	5,484
WIST4039	30	9	52	13	81	15	84	14	103	26	133	29	157	16	123	11	153	10				1,059
WIST4040	61	14	76	17	137	35	255	32	221	46	273	47	306	38	323	26	308	10	3		1	2,229

Appendix 1
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40 CFR Part 51.366 (a)(3)

Test Station	Model Year																				Grand Total	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015		2016
WIST4042	120	50	215	95	338	128	446	147	452	141	455	137	431	75	248	34	233	10	7	5	1	3,768
WIST4043	290	141	475	206	798	242	938	309	927	340	948	286	821	168	602	52	521	24	15	1	1	8,105
WIST4044	155	105	265	170	511	212	521	197	670	209	672	178	686	121	477	46	546	30	7	1	1	5,780
WIST4045	76	24	95	38	174	54	201	49	217	59	266	61	278	25	210	13	263	7	3		2	2,115
WIST4046	141	71	226	84	336	147	416	132	389	132	380	108	317	44	291	24	308	3	1	2	2	3,554
WIST4047	51	39	89	70	166	72	178	103	161	64	144	70	129	40	76	18	71	5	2			1,548
WIST4048	59	18	101	40	188	46	245	59	300	70	360	68	349	52	292	23	321	11	4	1		2,607
WIST4049	27	6	62	12	81	14	89	16	101	22	136	27	119	17	118	8	109	8				972
WIST4050	40	10	81	18	156	32	234	32	283	62	343	55	371	55	365	40	417	16	4	2		2,616
WIST4051	92	26	156	50	188	61	270	79	328	73	318	69	338	29	235	29	259	8	3	1		2,612
WIST4052	4	2	4	6	11	10	8	4	5	1	7	5	15	2	2	2	4				1	93
WIST4053	1		3		2	2	10		4		1			1	3	1	2	1		1		32
WIST4054	14	10	20	10	38	11	36	18	48	17	53	13	58	13	36	4	50	8	2			459
WIST5003	57	49	107	72	198	85	276	79	270	89	334	77	325	56	264	28	253	15	10	1		2,645
WIST5004	50	18	83	39	168	41	233	43	293	49	336	67	389	35	342	35	305	8	2	2		2,538
WIST5005	72	23	105	35	182	41	242	53	218	41	255	45	199	26	168	13	152	2	2			1,874
WIST5007	24	9	43	15	69	9	80	23	100	19	98	16	118	14	93	10	98	4	1			843
WIST5008	205	65	382	99	642	146	850	199	956	196	994	188	1,028	131	731	50	837	30	3	1		7,733
WIST5009	16	3	32	3	88	15	115	20	177	17	194	34	246	31	226	16	205	8	2		1	1,449
WIST5011	35	14	83	13	146	22	215	35	382	60	390	64	437	37	435	33	472	20	2		2	2,897
WIST5012	59	18	109	40	185	40	288	51	338	61	381	63	381	46	377	20	348	20	7	2		2,834
WIST5014	182	59	314	88	499	114	701	156	802	170	908	176	1,097	145	905	84	1,132	39	9	3		7,583
WIST5015	100	68	216	95	296	100	326	104	351	101	336	74	326	36	188	23	201	13				2,954
WIST5017	55	19	77	27	145	36	198	49	182	51	218	47	219	24	181	11	158	12	1	2	1	1,713
WIST5021	26	8	48	15	74	21	127	20	125	32	140	28	122	16	111	9	120	4				1,046
WIST5023	25	8	27	7	42	10	52	21	75	29	92	34	95	15	60	7	64	4	4	1		672
WIST5028	28	6	58	16	80	17	116	35	96	33	116	30	133	18	125	14	142	20	2			1,085
WIST5029	140	75	282	110	482	145	693	184	869	195	973	264	1,241	160	981	88	1,226	52	12	12		8,184
WIST5036	41	20	76	28	100	23	117	40	127	54	105	36	98	21	72	8	93	2	1	1		1,063
WIST5037	40	9	62	9	105	22	142	50	175	37	173	40	221	32	182	12	195	9		1		1,516
WIST5040	47	12	78	17	105	19	136	36	153	22	146	25	158	17	116	10	128	7	1			1,233
WIST5041	29	7	56	10	132	20	151	23	191	30	191	26	220	23	188	16	208	7	1	2		1,531
WIST5044	16	7	21	16	36	12	45	21	74	25	91	25	120	20	125	18	181	15	4	1	1	874
WIST5045	13	5	41	10	59	14	82	16	82	8	93	20	70	6	58	12	46	4		1		640
WIST5047	11	12	37	8	67	16	84	23	119	32	111	16	99	22	77	4	99	3				840
WIST5049	66	26	156	40	216	48	344	61	378	72	425	80	415	52	380	30	348	15	3	1		3,156
WIST5052	5	2	3	2	12	5	11	6	13	2	14		14		13	2	10	1				115
WIST5053	59	13	81	26	122	29	146	26	139	22	121	27	133	8	68	8	64	6				1,098
WIST5055	140	63	218	95	432	141	566	164	579	166	629	135	624	111	488	41	468	26	5	4	2	5,097
WIST5056	16	11	40	30	75	33	57	47	78	29	88	38	89	12	55	8	46	2	1			755
WIST5058	53	16	66	31	105	28	158	38	184	47	180	40	170	31	132	11	121	6	1	1		1,419
WIST5061	63	14	104	26	182	40	228	52	220	33	223	36	228	14	169	8	169	4	1			1,814
WIST5066	122	45	211	67	339	70	430	102	439	81	424	91	427	54	290	21	289	10	9	3		3,524
WIST5069	257	237	496	338	847	438	959	529	930	400	820	341	729	169	514	64	464	22	18	4		8,576
WIST5070	69	35	102	39	159	66	184	63	202	62	233	66	244	43	222	28	221	7	4	2	2	2,053
WIST5071	117	60	197	78	313	97	412	132	473	120	505	134	522	74	401	34	476	32	6	1	1	4,185
WIST5072	43	21	72	32	93	30	129	32	114	35	91	28	86	19	68	7	64	3				967
WIST5073	59	44	121	67	215	81	297	112	327	111	387	134	434	69	408	30	374	8	5	2	2	3,287
WIST5074	27	15	36	18	60	31	92	35	102	42	111	38	129	27	103	11	98	5	3		1	984
WIST6001	341	149	657	245	875	278	1,063	296	1,041	271	980	221	902	127	641	42	695	26	7	4		8,861
WIST6004	113	35	220	47	344	81	503	76	656	108	733	128	757	96	640	45	680	34	2	1	2	5,301
WIST6007	51	19	73	26	99	23	133	29	118	33	122	26	129	18	98	8	111	3				1,119
WIST6012	10	9	39	14	74	19	98	18	110	25	123	20	124	26	103	16	89	3	3			923
WIST6013	29	9	74	15	138	35	218	42	280	38	287	57	309	40	255	12	279	13	2	1		2,133

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Test Station	Model Year																				Grand Total	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015		2016
WIST6014	54	15	69	12	120	26	146	22	154	32	133	24	150	15	116	10	107	6	2			1,213
WIST6016	100	33	158	55	238	58	352	68	374	86	408	79	415	40	316	24	323	16	1			3,144
WIST6018	227	61	343	116	564	154	696	176	636	159	651	132	590	76	498	24	463	20	5	3	1	5,595
WIST6021	27	5	55	18	112	18	139	33	174	37	195	35	221	21	197	16	182	13		2	2	1,502
WIST6022	67	15	125	33	229	41	304	65	378	86	453	86	517	84	442	39	498	14	3	1		3,480
WIST6026	13	8	28	10	37	19	76	12	87	18	75	21	119	18	105	9	150	6	1			812
WIST6027	55	31	145	48	264	73	356	84	469	110	538	108	570	66	550	40	710	4	3	1	3	4,228
WIST6028	9	8	14	10	25	12	30	11	38	17	38	24	28	4	15	3	18					304
WIST6029	30	14	53	25	100	23	124	42	130	41	127	29	160	19	127	9	138	3		2	1	1,197
WIST6030	32	15	87	21	154	21	222	53	261	50	303	74	363	43	307	30	373	24	4			2,437
WIST6031	9	4	27	6	30	7	44	11	55	12	83	14	75	6	68	7	96	6	4		1	565
WIST6033	4	1	9	3	21	12	42	9	56	11	69	17	77	14	50	9	96	10	1		1	512
WIST6034	17	5	26	10	35	9	67	14	69	21	91	17	92	9	93	7	130	16		3		731
WIST6035	14	4	24	14	44	29	67	23	55	24	72	24	92	13	48	4	76	10	1	3		641
WIST6036	4	2	9	3	16	4	14	5	16	2	29	5	22	8	21	3	30	2	1			196
WIST6037	49	24	96	37	109	65	138	50	133	54	125	55	101	24	81	8	90	15		2		1,256
WIST6038	13	8	19	15	41	31	69	13	51	28	65	22	69	19	73	12	66	15	1	1		631
WIST6039	3	4	8	4	8	7	19	15	30	11	36	7	62	16	60	8	70	6	2		2	378
WIST6040	49	37	87	48	136	66	176	69	169	62	152	52	137	31	82	10	75	8	2		1	1,449
WIST7003	217	92	369	161	634	194	800	227	863	212	912	188	941	132	747	72	830	42	8	1		7,642
WIST7004	136	56	238	91	381	113	513	126	491	116	510	98	503	62	408	37	393	18	5	4		4,299
WIST7006	26	10	51	15	69	21	98	24	126	31	155	32	183	16	120	13	188	2	4		2	1,186
WIST7007	24	7	56	15	94	27	126	22	138	28	128	20	156	23	142	7	154	3		2		1,172
WIST7009	75	39	101	73	218	85	353	105	347	111	357	105	438	76	316	41	392	20	5	2	1	3,260
WIST7011	119	41	204	74	295	83	381	80	387	105	373	95	375	66	267	26	343	16	5		2	3,337
WIST7014	164	47	278	96	442	109	593	156	758	188	754	155	779	94	599	50	624	21	6			5,913
WIST7015	42	16	82	15	135	38	221	39	294	58	304	46	348	41	277	25	249	17	8	2		2,257
WIST7016	122	42	243	78	414	125	605	124	872	168	963	188	1,124	103	935	87	999	56	9			7,257
WIST7017	119	49	225	76	395	101	528	119	613	134	630	121	714	71	580	42	613	17	1	2	2	5,152
WIST7018	20	7	41	8	76	16	107	24	119	21	140	28	171	23	137	14	238	15	7	3		1,215
WIST7019	14	7	34	11	49	11	80	19	88	13	97	22	90	9	62	5	76			1	1	689
WIST7020	32	8	55	15	117	31	134	34	122	31	146	32	155	9	119	7	139	7				1,193
WIST7021	50	10	89	36	111	42	148	38	155	47	171	38	139	25	102	11	97	6				1,315
WIST7022	69	23	121	19	230	35	281	43	417	89	424	68	533	47	403	34	487	16	6	2		3,347
WIST7023	99	44	180	78	308	101	377	95	368	108	403	56	330	65	281	19	205	7	3	2		3,129
WIST7024	55	13	91	26	117	25	194	35	157	43	187	46	181	24	154	9	172	3	2			1,534
WIST7025	27	10	51	14	86	16	134	24	156	23	164	30	181	23	139	10	118	4	2			1,212
WIST7027	60	27	86	59	132	58	139	55	126	56	149	41	105	25	73	7	48	6	3	1		1,256
WIST7030	168	71	327	115	482	168	700	197	724	176	702	169	765	99	638	43	654	29	4	4	2	6,237
WIST7031	16	7	37	17	76	12	114	32	172	19	177	34	239	29	242	17	255	8				1,503
WIST7032	89	60	151	88	264	103	267	97	213	93	246	80	178	38	157	14	143	3	2			2,286
WIST7033	176	89	331	138	533	166	620	194	581	146	506	118	458	68	383	23	332	12	3		1	4,878
WIST7036	154	69	253	132	454	131	495	159	532	144	498	134	478	65	323	26	364	14	8			4,433
WIST7039	28	10	57	21	113	36	159	29	169	40	207	43	227	15	197	23	185	15	1	1		1,576
WIST7040	66	22	117	35	217	50	311	73	409	69	463	76	467	59	378	30	404	19		2	1	3,268
WIST7041	95	24	167	46	309	58	420	83	471	92	580	108	572	72	487	35	496	22	1	1		4,139
WIST7042	142	60	279	67	482	98	664	154	803	183	931	172	975	99	772	66	872	38	3	3		6,863
WIST7044	91	26	156	53	278	57	428	73	469	73	554	95	533	61	445	26	477	22	5	1		3,923
WIST7045	114	34	201	65	342	94	527	115	714	133	659	136	781	94	629	60	661	34	4	3		5,400
WIST7046	119	57	198	98	303	98	328	124	294	111	254	83	255	39	138	21	130	5	1	1		2,657
WIST7049	69	17	116	24	201	36	254	54	311	68	350	81	433	55	403	24	429	20	3	3		2,951
WIST7052	147	55	281	83	485	95	683	158	874	182	996	189	1,107	148	907	72	993	49	8	4	1	7,517
WIST7053	73	19	87	39	154	41	228	56	250	53	240	59	259	33	170	27	211	11			1	2,011
WIST7054	49	6	75	23	108	21	154	18	153	34	162	21	172	19	111	4	115	5	2			1,252

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Test Station	Model Year																				Grand Total	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015		2016
WIST7055	161	54	295	78	457	109	615	141	607	125	600	142	579	74	512	30	507	9	1			5,096
WIST7056	100	37	204	57	329	99	449	92	492	113	525	99	593	62	420	24	421	24	2	1		4,143
WIST7061	36	14	65	25	93	15	139	21	155	24	158	23	155	30	123	9	128	7	1	1		1,222
WIST7062	85	31	135	43	273	71	336	74	450	72	444	81	470	35	368	24	372	11	1		2	3,378
WIST7064	53	6	89	18	162	30	275	39	375	55	481	81	587	65	550	45	568	41	6	3		3,529
WIST7065	173	68	306	121	445	135	669	145	615	166	562	135	482	79	384	26	359	17	7			4,894
WIST7067	40	10	63	14	109	26	164	29	169	35	214	24	203	23	178	12	203	4				1,520
WIST7068	50	11	107	36	196	42	298	62	350	74	309	60	416	50	344	31	346	23	1	3		2,809
WIST7069	130	35	217	58	358	79	506	130	635	120	762	157	807	118	693	82	666	33	10	3	3	5,602
WIST7070	37	15	89	26	147	33	211	43	244	54	273	49	329	31	252	30	292	11	2	1		2,169
WIST7071	89	34	183	61	298	73	445	108	469	119	512	99	501	63	382	27	452	19	6	1		3,941
WIST7072	76	22	144	34	248	72	373	88	388	76	452	102	511	60	363	23	457	21	2			3,512
WIST7073	104	60	180	96	301	117	390	84	370	108	407	115	456	81	329	34	407	18	3	1	1	3,662
WIST7074	501	239	804	347	1,208	402	1,605	451	1,241	446	972	355	793	170	466	34	352	11	3			10,400
WIST7075	76	26	171	29	260	49	365	72	384	75	406	63	422	27	343	27	357	23	3	3	3	3,184
WIST7076	125	54	261	75	426	107	619	135	795	154	904	169	932	116	832	52	898	39	11			6,704
WIST7078	78	17	133	32	190	51	348	62	372	75	422	79	454	65	497	36	500	31	3	2	1	3,448
WIST7079	87	41	137	69	216	98	270	109	273	97	232	96	238	41	159	17	139	7	1	1		2,328
WIST7080	82	28	165	49	286	71	380	87	491	114	491	103	586	67	452	40	585	31	4	2	1	4,115
WIST7081	158	83	304	146	513	144	623	166	684	188	657	169	687	115	546	57	443	22	12	5	6	5,728
WIST7083	236	70	395	111	736	152	917	191	1,157	232	1,268	236	1,434	170	1,039	80	1,250	74	9	2		9,759
WIST7086	20	5	23	10	43	10	96	16	102	13	111	27	153	34	116	22	149	15	3	6		974
WIST7088	26	8	45	18	74	21	128	34	119	26	94	28	114	21	74	16	87	2		1		936
WIST7090	32	7	65	22	85	19	142	18	166	33	226	41	190	28	171	13	176	14	2			1,450
WIST7092	22	10	63	18	116	29	175	39	195	29	225	38	234	32	205	17	244	9	1	1		1,702
WIST7093	69	32	140	43	198	44	280	56	390	62	411	72	480	58	410	28	354	17	1	3	2	3,150
WIST7094	85	28	150	50	279	57	425	81	490	95	573	83	635	63	487	36	584	16	2	2		4,221
WIST7095	32	10	62	10	98	21	127	33	168	33	188	30	189	20	146	19	175	12		1	3	1,377
WIST7098	59	16	144	50	245	59	355	74	474	92	528	98	622	77	551	32	504	15	2	1		3,998
WIST7103	91	30	171	41	251	58	369	73	453	79	434	88	487	61	340	23	378	33	1			3,461
WIST7104	14	11	29	11	44	19	56	20	60	29	55	22	74	21	55	11	38	4			1	574
WIST7106	71	21	115	41	250	50	375	66	519	102	621	125	792	99	849	58	774	43	9	4	2	4,986
WIST7108	244	86	461	145	657	167	879	172	884	189	929	176	993	123	723	57	743	35	9	3	1	7,676
WIST7109	159	50	254	82	431	109	507	133	598	124	675	144	683	79	515	37	479	25	7	2		5,093
WIST7111	193	108	366	155	586	228	704	260	688	200	614	198	525	118	359	25	292	3	10	3		5,635
WIST7112	76	46	170	53	287	70	366	82	387	97	452	99	467	60	293	25	316	9	2	3	3	3,363
WIST7113	56	22	123	37	205	60	312	81	367	89	409	83	427	57	366	32	422	14	5	2	3	3,172
WIST7115	7	2	5	3	20	6	29	2	20	4	25	11	25	2	26	6	52	2				247
WIST7116	85	19	146	57	260	67	379	83	477	126	611	125	677	90	604	53	746	37	4	3		4,649
WIST7117	166	74	287	126	474	123	605	163	635	187	709	192	676	110	575	33	647	21	6	2	3	5,814
WIST7118	58	16	95	28	184	42	206	52	247	57	246	61	230	40	206	15	211	11			1	2,006
WIST7119	35	24	93	30	123	39	204	55	276	77	284	62	339	59	319	32	398	23	5		2	2,479
WIST7120	35	24	73	36	123	42	136	58	102	48	114	44	97	33	92	11	72	5			3	1,148
WIST7121	36	13	77	24	136	28	203	39	310	52	346	70	377	55	388	28	506	25	12	3		2,728
WIST7122	50	11	68	21	106	22	149	30	197	25	179	23	196	24	176	5	193	5	4	1	3	1,488
WIST7123	15	11	36	12	73	20	86	36	135	32	156	32	166	19	152	20	206	17	7	1		1,232
WIST7124	11	6	19	9	52	15	71	28	97	29	109	42	124	20	117	26	139	24	1	2	4	945
WIST7125	15	8	27	25	38	18	44	23	47	17	45	15	48	10	33	1	28	1	1	1		445
WIST7126	10	8	23	6	22	8	29	6	23	20	30	13	43	11	36	3	36	3				330
WIST7127	30	11	45	12	89	27	99	34	158	50	164	64	187	40	160	23	212	20	2	1		1,428
WIST8001	28	8	47	8	91	25	143	26	202	37	214	27	245	35	187	11	197	13	1			1,545
WIST8002	97	31	188	54	286	79	485	98	581	129	715	160	771	87	775	58	811	27	6	3	1	5,442
WIST8004	386	227	604	324	913	398	1,095	461	880	368	644	264	487	103	272	28	178	10	6			7,648
WIST8005	88	57	166	73	280	115	421	140	481	140	512	149	512	100	401	38	436	15	5	1		4,130

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Test Station	Model Year																				Grand Total	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015		2016
WIST8006	185	97	326	142	592	203	878	284	1,045	251	1,236	303	1,334	233	1,200	113	1,190	53	14	7		9,686
WIST8007	85	36	175	75	293	103	424	115	498	117	567	124	545	96	448	43	504	24	10	2		4,284
WIST8008	84	40	142	83	212	79	259	103	222	71	244	84	194	37	143	13	122	4	1	1		2,138
WIST8009	41	15	65	15	112	28	186	35	196	41	227	40	214	25	214	16	252	10	1	2		1,735
WIST8010	20	10	44	12	63	13	101	30	89	24	117	28	124	10	85	6	78	3		1	1	859
WIST8011	84	44	176	69	309	71	418	104	492	97	523	119	593	87	484	36	551	31	6	2	2	4,298
WIST8012	45	20	52	25	104	29	127	32	153	30	169	32	174	17	143	4	151	3	2			1,312
WIST8013	42	17	69	20	138	30	190	46	188	41	232	55	244	27	219	13	246	7	2	1	1	1,828
WISTT001	76	16	111	29	204	47	325	67	370	65	353	87	485	52	371	32	434	18	1	1		3,144
WISTT002	87	30	137	61	203	80	273	74	240	71	219	54	182	34	133	11	117	5	3			2,014
WISTT003	139	70	291	111	434	183	595	168	529	172	574	156	473	76	363	31	372	20	4	3		4,764
WISTT005	64	14	110	38	193	43	315	71	354	70	387	85	457	46	381	30	409	18	4	2	1	3,092
WISTT006	78	26	171	40	266	58	345	71	405	73	382	116	393	46	331	19	303	12	4	2		3,141
Grand Total	16,767	6,975	29,663	11,115	48,971	14,277	65,888	17,125	72,854	17,717	77,436	17,605	81,599	11,175	65,987	5,709	71,016	3,323	739	292	131	636,364

Appendix 2

Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	All Initial Tests				1996				1997			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST1002	1945	1798	147	7.6%	79	70	9	11.4%	24	22	2	8.3%
WIST1003	1179	1148	31	2.6%	31	28	3	9.7%	8	8		0.0%
WIST1006	3	3		0.0%				#DIV/0!				#DIV/0!
WIST1012	826	782	44	5.3%	26	25	1	3.8%	10	10		0.0%
WIST1013	2390	2312	78	3.3%	43	40	3	7.0%	12	12		0.0%
WIST1014	3753	3531	222	5.9%	125	105	20	16.0%	55	40	15	27.3%
WIST1015	8538	8241	297	3.5%	131	123	8	6.1%	56	44	12	21.4%
WIST1016	699	632	67	9.6%	32	25	7	21.9%	12	10	2	16.7%
WIST1017	1096	1001	95	8.7%	16	12	4	25.0%	13	10	3	23.1%
WIST2001	6376	6112	264	4.1%	181	160	21	11.6%	63	57	6	9.5%
WIST2003	2405	2315	90	3.7%	59	58	1	1.7%	25	22	3	12.0%
WIST2014	2547	2265	282	11.1%	102	84	18	17.6%	68	49	19	27.9%
WIST2015	2842	2731	111	3.9%	52	51	1	1.9%	14	13	1	7.1%
WIST2016	1778	1619	159	8.9%	58	51	7	12.1%	30	24	6	20.0%
WIST2017	2346	2249	97	4.1%	40	40		0.0%	12	11	1	8.3%
WIST2018	3720	3581	139	3.7%	72	67	5	6.9%	35	32	3	8.6%
WIST2019	830	782	48	5.8%	21	21		0.0%	5	5		0.0%
WIST2020	7699	7435	264	3.4%	127	120	7	5.5%	43	37	6	14.0%
WIST2021	1001	953	48	4.8%	18	18		0.0%	2	2		0.0%
WIST2023	126	121	5	4.0%	8	8		0.0%	2	2		0.0%
WIST2024	487	463	24	4.9%	12	9	3	25.0%	5	4	1	20.0%
WIST3003	1480	1387	93	6.3%	43	35	8	18.6%	14	13	1	7.1%
WIST3004	122	115	7	5.7%	3	3		0.0%	1	1		0.0%
WIST3005	3248	3133	115	3.5%	69	62	7	10.1%	36	31	5	13.9%
WIST3006	1626	1576	50	3.1%	70	65	5	7.1%	17	15	2	11.8%
WIST3013	3998	3756	242	6.1%	88	84	4	4.5%	47	39	8	17.0%
WIST3014	1738	1626	112	6.4%	66	60	6	9.1%	21	19	2	9.5%
WIST3016	4533	4196	337	7.4%	164	143	21	12.8%	72	59	13	18.1%
WIST3017	3325	3167	158	4.8%	54	44	10	18.5%	20	18	2	10.0%
WIST3018	1745	1547	198	11.3%	68	57	11	16.2%	47	36	11	23.4%
WIST3019	593	562	31	5.2%	18	16	2	11.1%	6	3	3	50.0%
WIST3020	1196	1153	43	3.6%	24	21	3	12.5%	4	4		0.0%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	All Initial Tests				1996				1997			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST3021	578	549	29	5.0%	14	11	3	21.4%	6	4	2	33.3%
WIST3022	169	162	7	4.1%	2	2		0.0%	2	2		0.0%
WIST3023	815	792	23	2.8%	26	26		0.0%	3	3		0.0%
WIST3024	19	18	1	5.3%				#DIV/0!	1	1		0.0%
WIST4002	1156	1120	36	3.1%	28	26	2	7.1%	7	5	2	28.6%
WIST4003	3603	3455	148	4.1%	105	103	2	1.9%	32	28	4	12.5%
WIST4004	3338	3192	146	4.4%	79	71	8	10.1%	31	29	2	6.5%
WIST4006	6941	6729	212	3.1%	149	144	5	3.4%	48	44	4	8.3%
WIST4009	1933	1856	77	4.0%	48	44	4	8.3%	22	20	2	9.1%
WIST4011	24	22	2	8.3%	1	1		0.0%				#DIV/0!
WIST4014	932	895	37	4.0%	29	28	1	3.4%	8	7	1	12.5%
WIST4017	3788	3658	130	3.4%	66	61	5	7.6%	29	25	4	13.8%
WIST4019	1580	1487	93	5.9%	68	62	6	8.8%	19	15	4	21.1%
WIST4024	1631	1587	44	2.7%	31	31		0.0%	12	12		0.0%
WIST4026	1756	1700	56	3.2%	28	26	2	7.1%	5	5		0.0%
WIST4031	3324	3091	233	7.0%	122	110	12	9.8%	67	53	14	20.9%
WIST4032	5484	4726	758	13.8%	249	196	53	21.3%	144	113	31	21.5%
WIST4039	1059	1027	32	3.0%	30	27	3	10.0%	9	6	3	33.3%
WIST4040	2229	2171	58	2.6%	61	59	2	3.3%	14	12	2	14.3%
WIST4042	3768	3515	253	6.7%	120	108	12	10.0%	50	43	7	14.0%
WIST4043	8105	7589	516	6.4%	290	259	31	10.7%	141	124	17	12.1%
WIST4044	5780	5279	501	8.7%	155	134	21	13.5%	105	91	14	13.3%
WIST4045	2115	2023	92	4.3%	76	70	6	7.9%	24	22	2	8.3%
WIST4046	3554	3338	216	6.1%	141	127	14	9.9%	71	56	15	21.1%
WIST4047	1548	1378	170	11.0%	51	45	6	11.8%	39	32	7	17.9%
WIST4048	2607	2472	135	5.2%	59	55	4	6.8%	18	16	2	11.1%
WIST4049	972	939	33	3.4%	27	24	3	11.1%	6	6		0.0%
WIST4050	2616	2542	74	2.8%	40	38	2	5.0%	10	6	4	40.0%
WIST4051	2612	2484	128	4.9%	92	88	4	4.3%	26	21	5	19.2%
WIST4052	93	77	16	17.2%	4	3	1	25.0%	2	2		0.0%
WIST4053	32	30	2	6.3%	1	1		0.0%				#DIV/0!
WIST4054	459	428	31	6.8%	14	14		0.0%	10	7	3	30.0%

Appendix 2

Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	All Initial Tests				1996				1997			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST5003	2645	2449	196	7.4%	57	53	4	7.0%	49	34	15	30.6%
WIST5004	2538	2435	103	4.1%	50	49	1	2.0%	18	17	1	5.6%
WIST5005	1874	1788	86	4.6%	72	65	7	9.7%	23	22	1	4.3%
WIST5007	843	810	33	3.9%	24	24		0.0%	9	9		0.0%
WIST5008	7733	7415	318	4.1%	205	192	13	6.3%	65	60	5	7.7%
WIST5009	1449	1411	38	2.6%	16	16		0.0%	3	3		0.0%
WIST5011	2897	2813	84	2.9%	35	33	2	5.7%	14	13	1	7.1%
WIST5012	2834	2715	119	4.2%	59	56	3	5.1%	18	16	2	11.1%
WIST5014	7583	7286	297	3.9%	182	160	22	12.1%	59	50	9	15.3%
WIST5015	2954	2680	274	9.3%	100	80	20	20.0%	68	63	5	7.4%
WIST5017	1713	1631	82	4.8%	55	45	10	18.2%	19	18	1	5.3%
WIST5021	1046	993	53	5.1%	26	25	1	3.8%	8	6	2	25.0%
WIST5023	672	652	20	3.0%	25	24	1	4.0%	8	8		0.0%
WIST5028	1085	1045	40	3.7%	28	26	2	7.1%	6	6		0.0%
WIST5029	8184	7848	336	4.1%	140	126	14	10.0%	75	70	5	6.7%
WIST5036	1063	968	95	8.9%	41	32	9	22.0%	20	15	5	25.0%
WIST5037	1516	1470	46	3.0%	40	39	1	2.5%	9	9		0.0%
WIST5040	1233	1181	52	4.2%	47	43	4	8.5%	12	12		0.0%
WIST5041	1531	1489	42	2.7%	29	29		0.0%	7	7		0.0%
WIST5044	874	840	34	3.9%	16	15	1	6.3%	7	5	2	28.6%
WIST5045	640	614	26	4.1%	13	10	3	23.1%	5	5		0.0%
WIST5047	840	795	45	5.4%	11	10	1	9.1%	12	12		0.0%
WIST5049	3156	3043	113	3.6%	66	62	4	6.1%	26	25	1	3.8%
WIST5052	115	109	6	5.2%	5	5		0.0%	2	2		0.0%
WIST5053	1098	1053	45	4.1%	59	56	3	5.1%	13	13		0.0%
WIST5055	5097	4772	325	6.4%	140	124	16	11.4%	63	55	8	12.7%
WIST5056	755	696	59	7.8%	16	16		0.0%	11	8	3	27.3%
WIST5058	1419	1328	91	6.4%	53	44	9	17.0%	16	14	2	12.5%
WIST5061	1814	1749	65	3.6%	63	61	2	3.2%	14	13	1	7.1%
WIST5066	3524	3356	168	4.8%	122	112	10	8.2%	45	42	3	6.7%
WIST5069	8576	7611	965	11.3%	257	209	48	18.7%	237	177	60	25.3%
WIST5070	2053	1906	147	7.2%	69	55	14	20.3%	35	30	5	14.3%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	All Initial Tests				1996				1997			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST5071	4185	3911	274	6.5%	117	100	17	14.5%	60	53	7	11.7%
WIST5072	967	909	58	6.0%	43	38	5	11.6%	21	20	1	4.8%
WIST5073	3287	3012	275	8.4%	59	47	12	20.3%	44	38	6	13.6%
WIST5074	984	933	51	5.2%	27	24	3	11.1%	15	15		0.0%
WIST6001	8861	8122	739	8.3%	341	284	57	16.7%	149	120	29	19.5%
WIST6004	5301	5102	199	3.8%	113	104	9	8.0%	35	29	6	17.1%
WIST6007	1119	1088	31	2.8%	51	48	3	5.9%	19	19		0.0%
WIST6012	923	871	52	5.6%	10	8	2	20.0%	9	4	5	55.6%
WIST6013	2133	2074	59	2.8%	29	26	3	10.3%	9	8	1	11.1%
WIST6014	1213	1150	63	5.2%	54	51	3	5.6%	15	14	1	6.7%
WIST6016	3144	2981	163	5.2%	100	95	5	5.0%	33	28	5	15.2%
WIST6018	5595	5183	412	7.4%	227	192	35	15.4%	61	52	9	14.8%
WIST6021	1502	1455	47	3.1%	27	23	4	14.8%	5	5		0.0%
WIST6022	3480	3374	106	3.0%	67	63	4	6.0%	15	15		0.0%
WIST6026	812	782	30	3.7%	13	11	2	15.4%	8	7	1	12.5%
WIST6027	4228	4010	218	5.2%	55	49	6	10.9%	31	27	4	12.9%
WIST6028	304	279	25	8.2%	9	9		0.0%	8	7	1	12.5%
WIST6029	1197	1108	89	7.4%	30	28	2	6.7%	14	10	4	28.6%
WIST6030	2437	2362	75	3.1%	32	32		0.0%	15	14	1	6.7%
WIST6031	565	544	21	3.7%	9	8	1	11.1%	4	4		0.0%
WIST6033	512	498	14	2.7%	4	4		0.0%	1		1	100.0%
WIST6034	731	705	26	3.6%	17	14	3	17.6%	5	4	1	20.0%
WIST6035	641	598	43	6.7%	14	11	3	21.4%	4	4		0.0%
WIST6036	196	191	5	2.6%	4	4		0.0%	2	2		0.0%
WIST6037	1256	1140	116	9.2%	49	41	8	16.3%	24	21	3	12.5%
WIST6038	631	605	26	4.1%	13	11	2	15.4%	8	6	2	25.0%
WIST6039	378	358	20	5.3%	3	3		0.0%	4	4		0.0%
WIST6040	1449	1326	123	8.5%	49	42	7	14.3%	37	33	4	10.8%
WIST7003	7642	7177	465	6.1%	217	189	28	12.9%	92	79	13	14.1%
WIST7004	4299	4000	299	7.0%	136	121	15	11.0%	56	47	9	16.1%
WIST7006	1186	1147	39	3.3%	26	23	3	11.5%	10	8	2	20.0%
WIST7007	1172	1105	67	5.7%	24	22	2	8.3%	7	5	2	28.6%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	All Initial Tests				1996				1997			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7009	3260	3102	158	4.8%	75	70	5	6.7%	39	32	7	17.9%
WIST7011	3337	3120	217	6.5%	119	101	18	15.1%	41	35	6	14.6%
WIST7014	5913	5651	262	4.4%	164	155	9	5.5%	47	43	4	8.5%
WIST7015	2257	2150	107	4.7%	42	42		0.0%	16	15	1	6.3%
WIST7016	7257	6940	317	4.4%	122	114	8	6.6%	42	35	7	16.7%
WIST7017	5152	4858	294	5.7%	119	106	13	10.9%	49	44	5	10.2%
WIST7018	1215	1203	12	1.0%	20	20		0.0%	7	7		0.0%
WIST7019	689	661	28	4.1%	14	14		0.0%	7	5	2	28.6%
WIST7020	1193	1119	74	6.2%	32	28	4	12.5%	8	6	2	25.0%
WIST7021	1315	1227	88	6.7%	50	43	7	14.0%	10	10		0.0%
WIST7022	3347	3234	113	3.4%	69	62	7	10.1%	23	19	4	17.4%
WIST7023	3129	2955	174	5.6%	99	91	8	8.1%	44	39	5	11.4%
WIST7024	1534	1445	89	5.8%	55	50	5	9.1%	13	13		0.0%
WIST7025	1212	1172	40	3.3%	27	26	1	3.7%	10	10		0.0%
WIST7027	1256	1087	169	13.5%	60	50	10	16.7%	27	16	11	40.7%
WIST7030	6237	5842	395	6.3%	168	150	18	10.7%	71	60	11	15.5%
WIST7031	1503	1437	66	4.4%	16	15	1	6.3%	7	7		0.0%
WIST7032	2286	1994	292	12.8%	89	70	19	21.3%	60	42	18	30.0%
WIST7033	4878	4492	386	7.9%	176	145	31	17.6%	89	74	15	16.9%
WIST7036	4433	4110	323	7.3%	154	131	23	14.9%	69	58	11	15.9%
WIST7039	1576	1542	34	2.2%	28	26	2	7.1%	10	10		0.0%
WIST7040	3268	3134	134	4.1%	66	62	4	6.1%	22	21	1	4.5%
WIST7041	4139	3956	183	4.4%	95	85	10	10.5%	24	22	2	8.3%
WIST7042	6863	6600	263	3.8%	142	128	14	9.9%	60	49	11	18.3%
WIST7044	3923	3776	147	3.7%	91	86	5	5.5%	26	25	1	3.8%
WIST7045	5400	5206	194	3.6%	114	112	2	1.8%	34	32	2	5.9%
WIST7046	2657	2390	267	10.0%	119	97	22	18.5%	57	44	13	22.8%
WIST7049	2951	2864	87	2.9%	69	63	6	8.7%	17	16	1	5.9%
WIST7052	7517	7184	333	4.4%	147	129	18	12.2%	55	49	6	10.9%
WIST7053	2011	1906	105	5.2%	73	65	8	11.0%	19	17	2	10.5%
WIST7054	1252	1218	34	2.7%	49	47	2	4.1%	6	6		0.0%
WIST7055	5096	4869	227	4.5%	161	148	13	8.1%	54	48	6	11.1%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	All Initial Tests				1996				1997			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7056	4143	3976	167	4.0%	100	90	10	10.0%	37	32	5	13.5%
WIST7061	1222	1173	49	4.0%	36	31	5	13.9%	14	14		0.0%
WIST7062	3378	3237	141	4.2%	85	75	10	11.8%	31	26	5	16.1%
WIST7064	3529	3440	89	2.5%	53	48	5	9.4%	6	6		0.0%
WIST7065	4894	4607	287	5.9%	173	154	19	11.0%	68	63	5	7.4%
WIST7067	1520	1462	58	3.8%	40	36	4	10.0%	10	8	2	20.0%
WIST7068	2809	2723	86	3.1%	50	49	1	2.0%	11	11		0.0%
WIST7069	5602	5389	213	3.8%	130	117	13	10.0%	35	33	2	5.7%
WIST7070	2169	2098	71	3.3%	37	35	2	5.4%	15	14	1	6.7%
WIST7071	3941	3783	158	4.0%	89	81	8	9.0%	34	31	3	8.8%
WIST7072	3512	3352	160	4.6%	76	74	2	2.6%	22	21	1	4.5%
WIST7073	3662	3412	250	6.8%	104	94	10	9.6%	60	52	8	13.3%
WIST7074	10400	9482	918	8.8%	501	418	83	16.6%	239	202	37	15.5%
WIST7075	3184	3084	100	3.1%	76	73	3	3.9%	26	21	5	19.2%
WIST7076	6704	6464	240	3.6%	125	118	7	5.6%	54	49	5	9.3%
WIST7078	3448	3331	117	3.4%	78	72	6	7.7%	17	17		0.0%
WIST7079	2328	2078	250	10.7%	87	71	16	18.4%	41	30	11	26.8%
WIST7080	4115	3958	157	3.8%	82	77	5	6.1%	28	25	3	10.7%
WIST7081	5728	5289	439	7.7%	158	134	24	15.2%	83	72	11	13.3%
WIST7083	9759	9390	369	3.8%	236	223	13	5.5%	70	68	2	2.9%
WIST7086	974	942	32	3.3%	20	18	2	10.0%	5	5		0.0%
WIST7088	936	878	58	6.2%	26	22	4	15.4%	8	8		0.0%
WIST7090	1450	1397	53	3.7%	32	30	2	6.3%	7	7		0.0%
WIST7092	1702	1637	65	3.8%	22	20	2	9.1%	10	8	2	20.0%
WIST7093	3150	3032	118	3.7%	69	64	5	7.2%	32	30	2	6.3%
WIST7094	4221	4086	135	3.2%	85	81	4	4.7%	28	24	4	14.3%
WIST7095	1377	1331	46	3.3%	32	31	1	3.1%	10	9	1	10.0%
WIST7098	3998	3821	177	4.4%	59	53	6	10.2%	16	14	2	12.5%
WIST7103	3461	3330	131	3.8%	91	87	4	4.4%	30	28	2	6.7%
WIST7104	574	540	34	5.9%	14	14		0.0%	11	10	1	9.1%
WIST7106	4986	4904	82	1.6%	71	67	4	5.6%	21	19	2	9.5%
WIST7108	7676	7285	391	5.1%	244	213	31	12.7%	86	76	10	11.6%

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Stations	All Initial Tests				1996				1997			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7109	5093	4814	279	5.5%	159	147	12	7.5%	50	45	5	10.0%
WIST7111	5635	5189	446	7.9%	193	159	34	17.6%	108	94	14	13.0%
WIST7112	3363	3171	192	5.7%	76	66	10	13.2%	46	40	6	13.0%
WIST7113	3172	3044	128	4.0%	56	50	6	10.7%	22	18	4	18.2%
WIST7115	247	246	1	0.4%	7	7		0.0%	2	2		0.0%
WIST7116	4649	4501	148	3.2%	85	78	7	8.2%	19	18	1	5.3%
WIST7117	5814	5525	289	5.0%	166	142	24	14.5%	74	65	9	12.2%
WIST7118	2006	1898	108	5.4%	58	54	4	6.9%	16	15	1	6.3%
WIST7119	2479	2394	85	3.4%	35	30	5	14.3%	24	22	2	8.3%
WIST7120	1148	1018	130	11.3%	35	25	10	28.6%	24	20	4	16.7%
WIST7121	2728	2644	84	3.1%	36	34	2	5.6%	13	12	1	7.7%
WIST7122	1488	1405	83	5.6%	50	44	6	12.0%	11	10	1	9.1%
WIST7123	1232	1163	69	5.6%	15	14	1	6.7%	11	8	3	27.3%
WIST7124	945	891	54	5.7%	11	10	1	9.1%	6	6		0.0%
WIST7125	445	401	44	9.9%	15	14	1	6.7%	8	5	3	37.5%
WIST7126	330	303	27	8.2%	10	8	2	20.0%	8	7	1	12.5%
WIST7127	1428	1345	83	5.8%	30	28	2	6.7%	11	11		0.0%
WIST8001	1545	1495	50	3.2%	28	28		0.0%	8	6	2	25.0%
WIST8002	5442	5263	179	3.3%	97	92	5	5.2%	31	29	2	6.5%
WIST8004	7648	6653	995	13.0%	386	296	90	23.3%	227	184	43	18.9%
WIST8005	4130	3813	317	7.7%	88	75	13	14.8%	57	40	17	29.8%
WIST8006	9686	9068	618	6.4%	185	161	24	13.0%	97	74	23	23.7%
WIST8007	4284	4060	224	5.2%	85	75	10	11.8%	36	33	3	8.3%
WIST8008	2138	1909	229	10.7%	84	71	13	15.5%	40	31	9	22.5%
WIST8009	1735	1670	65	3.7%	41	39	2	4.9%	15	14	1	6.7%
WIST8010	859	827	32	3.7%	20	20		0.0%	10	9	1	10.0%
WIST8011	4298	4136	162	3.8%	84	77	7	8.3%	44	41	3	6.8%
WIST8012	1312	1225	87	6.6%	45	42	3	6.7%	20	13	7	35.0%
WIST8013	1828	1735	93	5.1%	42	38	4	9.5%	17	17		0.0%
WISTT001	3144	3032	112	3.6%	76	70	6	7.9%	16	13	3	18.8%
WISTT002	2014	1826	188	9.3%	87	74	13	14.9%	30	23	7	23.3%
WISTT003	4764	4363	401	8.4%	139	114	25	18.0%	70	61	9	12.9%

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Stations	All Initial Tests				1996				1997			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WISTT005	3092	2953	139	4.5%	64	59	5	7.8%	14	13	1	7.1%
WISTT006	3141	3001	140	4.5%	78	70	8	10.3%	26	22	4	15.4%
Grand Total	636364	602010	34354	5.4%	16767	14932	1835	10.9%	6975	5966	1009	14.5%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	1998				1999				2000			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail
WIST1002	140	119	21	15.0%	41	33	8	19.5%	194	178	16	8.2%
WIST1003	49	46	3	6.1%	17	17		0.0%	113	109	4	3.5%
WIST1006				#DIV/0!				#DIV/0!				#DIV/0!
WIST1012	42	38	4	9.5%	17	14	3	17.6%	76	68	8	10.5%
WIST1013	98	88	10	10.2%	27	25	2	7.4%	153	144	9	5.9%
WIST1014	188	169	19	10.1%	92	83	9	9.8%	333	298	35	10.5%
WIST1015	262	239	23	8.8%	108	102	6	5.6%	493	458	35	7.1%
WIST1016	43	36	7	16.3%	19	11	8	42.1%	58	49	9	15.5%
WIST1017	53	46	7	13.2%	27	21	6	22.2%	81	62	19	23.5%
WIST2001	309	280	29	9.4%	106	97	9	8.5%	429	392	37	8.6%
WIST2003	99	91	8	8.1%	35	33	2	5.7%	177	168	9	5.1%
WIST2014	171	137	34	19.9%	93	75	18	19.4%	272	224	48	17.6%
WIST2015	77	74	3	3.9%	29	23	6	20.7%	136	124	12	8.8%
WIST2016	82	63	19	23.2%	56	45	11	19.6%	144	126	18	12.5%
WIST2017	79	67	12	15.2%	22	18	4	18.2%	89	81	8	9.0%
WIST2018	141	129	12	8.5%	57	54	3	5.3%	255	231	24	9.4%
WIST2019	50	44	6	12.0%	6	4	2	33.3%	83	71	12	14.5%
WIST2020	252	232	20	7.9%	75	72	3	4.0%	409	375	34	8.3%
WIST2021	44	36	8	18.2%	12	10	2	16.7%	65	64	1	1.5%
WIST2023	9	9		0.0%	1	1		0.0%	7	6	1	14.3%
WIST2024	17	15	2	11.8%	8	6	2	25.0%	31	29	2	6.5%
WIST3003	77	65	12	15.6%	19	17	2	10.5%	110	94	16	14.5%
WIST3004	2	2		0.0%	1	1		0.0%	11	8	3	27.3%
WIST3005	118	107	11	9.3%	29	26	3	10.3%	204	190	14	6.9%
WIST3006	81	79	2	2.5%	24	24		0.0%	150	145	5	3.3%
WIST3013	160	136	24	15.0%	69	56	13	18.8%	262	236	26	9.9%
WIST3014	120	110	10	8.3%	50	47	3	6.0%	188	165	23	12.2%
WIST3016	261	228	33	12.6%	77	71	6	7.8%	416	367	49	11.8%
WIST3017	104	97	7	6.7%	40	36	4	10.0%	193	177	16	8.3%
WIST3018	96	71	25	26.0%	63	53	10	15.9%	180	150	30	16.7%
WIST3019	16	13	3	18.8%	6	5	1	16.7%	44	38	6	13.6%
WIST3020	27	20	7	25.9%	9	7	2	22.2%	50	47	3	6.0%

Appendix 2

Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	1998				1999				2000			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail
WIST3021	17	16	1	5.9%	4	4		0.0%	45	40	5	11.1%
WIST3022	9	8	1	11.1%				#DIV/0!	29	27	2	6.9%
WIST3023	18	18		0.0%	6	5	1	16.7%	34	31	3	8.8%
WIST3024				#DIV/0!				#DIV/0!				#DIV/0!
WIST4002	57	53	4	7.0%	15	14	1	6.7%	78	76	2	2.6%
WIST4003	144	134	10	6.9%	56	46	10	17.9%	280	264	16	5.7%
WIST4004	140	125	15	10.7%	36	29	7	19.4%	246	226	20	8.1%
WIST4006	255	237	18	7.1%	71	65	6	8.5%	454	427	27	5.9%
WIST4009	77	69	8	10.4%	23	21	2	8.7%	125	117	8	6.4%
WIST4011				#DIV/0!	2	1	1	50.0%	1	1		0.0%
WIST4014	47	44	3	6.4%	8	7	1	12.5%	86	80	6	7.0%
WIST4017	138	129	9	6.5%	41	38	3	7.3%	224	207	17	7.6%
WIST4019	115	101	14	12.2%	41	39	2	4.9%	152	137	15	9.9%
WIST4024	63	58	5	7.9%	9	8	1	11.1%	101	100	1	1.0%
WIST4026	34	31	3	8.8%	14	12	2	14.3%	96	89	7	7.3%
WIST4031	202	174	28	13.9%	100	91	9	9.0%	314	285	29	9.2%
WIST4032	351	263	88	25.1%	246	198	48	19.5%	615	490	125	20.3%
WIST4039	52	51	1	1.9%	13	12	1	7.7%	81	71	10	12.3%
WIST4040	76	73	3	3.9%	17	17		0.0%	137	131	6	4.4%
WIST4042	215	197	18	8.4%	95	83	12	12.6%	338	305	33	9.8%
WIST4043	475	430	45	9.5%	206	176	30	14.6%	798	720	78	9.8%
WIST4044	265	230	35	13.2%	170	138	32	18.8%	511	415	96	18.8%
WIST4045	95	87	8	8.4%	38	37	1	2.6%	174	159	15	8.6%
WIST4046	226	202	24	10.6%	84	71	13	15.5%	336	300	36	10.7%
WIST4047	89	78	11	12.4%	70	48	22	31.4%	166	144	22	13.3%
WIST4048	101	89	12	11.9%	40	33	7	17.5%	188	169	19	10.1%
WIST4049	62	58	4	6.5%	12	12		0.0%	81	75	6	7.4%
WIST4050	81	78	3	3.7%	18	18		0.0%	156	148	8	5.1%
WIST4051	156	145	11	7.1%	50	45	5	10.0%	188	162	26	13.8%
WIST4052	4	4		0.0%	6	5	1	16.7%	11	7	4	36.4%
WIST4053	3	2	1	33.3%				#DIV/0!	2	2		0.0%
WIST4054	20	20		0.0%	10	9	1	10.0%	38	33	5	13.2%

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Stations	1998				1999				2000			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail
WIST5003	107	90	17	15.9%	72	62	10	13.9%	198	173	25	12.6%
WIST5004	83	73	10	12.0%	39	32	7	17.9%	168	153	15	8.9%
WIST5005	105	92	13	12.4%	35	32	3	8.6%	182	173	9	4.9%
WIST5007	43	40	3	7.0%	15	11	4	26.7%	69	68	1	1.4%
WIST5008	382	350	32	8.4%	99	88	11	11.1%	642	599	43	6.7%
WIST5009	32	31	1	3.1%	3	3		0.0%	88	81	7	8.0%
WIST5011	83	75	8	9.6%	13	12	1	7.7%	146	138	8	5.5%
WIST5012	109	94	15	13.8%	40	34	6	15.0%	185	177	8	4.3%
WIST5014	314	288	26	8.3%	88	85	3	3.4%	499	460	39	7.8%
WIST5015	216	177	39	18.1%	95	80	15	15.8%	296	248	48	16.2%
WIST5017	77	70	7	9.1%	27	27		0.0%	145	132	13	9.0%
WIST5021	48	41	7	14.6%	15	12	3	20.0%	74	70	4	5.4%
WIST5023	27	27		0.0%	7	5	2	28.6%	42	40	2	4.8%
WIST5028	58	52	6	10.3%	16	14	2	12.5%	80	71	9	11.3%
WIST5029	282	258	24	8.5%	110	100	10	9.1%	482	438	44	9.1%
WIST5036	76	69	7	9.2%	28	25	3	10.7%	100	87	13	13.0%
WIST5037	62	57	5	8.1%	9	7	2	22.2%	105	95	10	9.5%
WIST5040	78	75	3	3.8%	17	17		0.0%	105	100	5	4.8%
WIST5041	56	54	2	3.6%	10	9	1	10.0%	132	124	8	6.1%
WIST5044	21	19	2	9.5%	16	15	1	6.3%	36	33	3	8.3%
WIST5045	41	37	4	9.8%	10	9	1	10.0%	59	55	4	6.8%
WIST5047	37	30	7	18.9%	8	7	1	12.5%	67	58	9	13.4%
WIST5049	156	145	11	7.1%	40	39	1	2.5%	216	205	11	5.1%
WIST5052	3	3		0.0%	2	2		0.0%	12	11	1	8.3%
WIST5053	81	73	8	9.9%	26	24	2	7.7%	122	118	4	3.3%
WIST5055	218	199	19	8.7%	95	79	16	16.8%	432	381	51	11.8%
WIST5056	40	32	8	20.0%	30	25	5	16.7%	75	66	9	12.0%
WIST5058	66	58	8	12.1%	31	25	6	19.4%	105	91	14	13.3%
WIST5061	104	98	6	5.8%	26	24	2	7.7%	182	171	11	6.0%
WIST5066	211	190	21	10.0%	67	59	8	11.9%	339	310	29	8.6%
WIST5069	496	398	98	19.8%	338	284	54	16.0%	847	715	132	15.6%
WIST5070	102	91	11	10.8%	39	33	6	15.4%	159	138	21	13.2%

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Stations	1998				1999				2000			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail
WIST5071	197	170	27	13.7%	78	70	8	10.3%	313	281	32	10.2%
WIST5072	72	66	6	8.3%	32	29	3	9.4%	93	87	6	6.5%
WIST5073	121	104	17	14.0%	67	53	14	20.9%	215	169	46	21.4%
WIST5074	36	32	4	11.1%	18	17	1	5.6%	60	55	5	8.3%
WIST6001	657	559	98	14.9%	245	212	33	13.5%	875	775	100	11.4%
WIST6004	220	206	14	6.4%	47	38	9	19.1%	344	322	22	6.4%
WIST6007	73	68	5	6.8%	26	26		0.0%	99	95	4	4.0%
WIST6012	39	36	3	7.7%	14	9	5	35.7%	74	70	4	5.4%
WIST6013	74	70	4	5.4%	15	15		0.0%	138	133	5	3.6%
WIST6014	69	62	7	10.1%	12	10	2	16.7%	120	111	9	7.5%
WIST6016	158	142	16	10.1%	55	50	5	9.1%	238	220	18	7.6%
WIST6018	343	307	36	10.5%	116	93	23	19.8%	564	492	72	12.8%
WIST6021	55	52	3	5.5%	18	17	1	5.6%	112	104	8	7.1%
WIST6022	125	115	10	8.0%	33	33		0.0%	229	221	8	3.5%
WIST6026	28	27	1	3.6%	10	7	3	30.0%	37	34	3	8.1%
WIST6027	145	125	20	13.8%	48	38	10	20.8%	264	236	28	10.6%
WIST6028	14	10	4	28.6%	10	9	1	10.0%	25	20	5	20.0%
WIST6029	53	47	6	11.3%	25	17	8	32.0%	100	89	11	11.0%
WIST6030	87	77	10	11.5%	21	18	3	14.3%	154	146	8	5.2%
WIST6031	27	25	2	7.4%	6	5	1	16.7%	30	29	1	3.3%
WIST6033	9	9		0.0%	3	3		0.0%	21	20	1	4.8%
WIST6034	26	26		0.0%	10	7	3	30.0%	35	33	2	5.7%
WIST6035	24	20	4	16.7%	14	12	2	14.3%	44	38	6	13.6%
WIST6036	9	7	2	22.2%	3	3		0.0%	16	16		0.0%
WIST6037	96	73	23	24.0%	37	30	7	18.9%	109	94	15	13.8%
WIST6038	19	17	2	10.5%	15	14	1	6.7%	41	37	4	9.8%
WIST6039	8	6	2	25.0%	4	3	1	25.0%	8	8		0.0%
WIST6040	87	74	13	14.9%	48	43	5	10.4%	136	113	23	16.9%
WIST7003	369	321	48	13.0%	161	141	20	12.4%	634	568	66	10.4%
WIST7004	238	210	28	11.8%	91	81	10	11.0%	381	321	60	15.7%
WIST7006	51	48	3	5.9%	15	12	3	20.0%	69	66	3	4.3%
WIST7007	56	48	8	14.3%	15	12	3	20.0%	94	85	9	9.6%

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Stations	1998				1999				2000			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail
WIST7009	101	92	9	8.9%	73	64	9	12.3%	218	196	22	10.1%
WIST7011	204	182	22	10.8%	74	62	12	16.2%	295	268	27	9.2%
WIST7014	278	257	21	7.6%	96	90	6	6.3%	442	406	36	8.1%
WIST7015	82	69	13	15.9%	15	13	2	13.3%	135	121	14	10.4%
WIST7016	243	221	22	9.1%	78	68	10	12.8%	414	383	31	7.5%
WIST7017	225	200	25	11.1%	76	66	10	13.2%	395	355	40	10.1%
WIST7018	41	40	1	2.4%	8	8		0.0%	76	73	3	3.9%
WIST7019	34	32	2	5.9%	11	10	1	9.1%	49	45	4	8.2%
WIST7020	55	50	5	9.1%	15	13	2	13.3%	117	98	19	16.2%
WIST7021	89	77	12	13.5%	36	32	4	11.1%	111	99	12	10.8%
WIST7022	121	114	7	5.8%	19	16	3	15.8%	230	213	17	7.4%
WIST7023	180	161	19	10.6%	78	70	8	10.3%	308	285	23	7.5%
WIST7024	91	82	9	9.9%	26	24	2	7.7%	117	107	10	8.5%
WIST7025	51	50	1	2.0%	14	14		0.0%	86	79	7	8.1%
WIST7027	86	70	16	18.6%	59	48	11	18.6%	132	105	27	20.5%
WIST7030	327	290	37	11.3%	115	105	10	8.7%	482	440	42	8.7%
WIST7031	37	29	8	21.6%	17	17		0.0%	76	71	5	6.6%
WIST7032	151	118	33	21.9%	88	68	20	22.7%	264	217	47	17.8%
WIST7033	331	285	46	13.9%	138	126	12	8.7%	533	475	58	10.9%
WIST7036	253	222	31	12.3%	132	108	24	18.2%	454	404	50	11.0%
WIST7039	57	54	3	5.3%	21	21		0.0%	113	106	7	6.2%
WIST7040	117	110	7	6.0%	35	33	2	5.7%	217	196	21	9.7%
WIST7041	167	153	14	8.4%	46	39	7	15.2%	309	285	24	7.8%
WIST7042	279	266	13	4.7%	67	60	7	10.4%	482	451	31	6.4%
WIST7044	156	147	9	5.8%	53	52	1	1.9%	278	257	21	7.6%
WIST7045	201	186	15	7.5%	65	58	7	10.8%	342	319	23	6.7%
WIST7046	198	177	21	10.6%	98	76	22	22.4%	303	272	31	10.2%
WIST7049	116	107	9	7.8%	24	23	1	4.2%	201	189	12	6.0%
WIST7052	281	247	34	12.1%	83	75	8	9.6%	485	451	34	7.0%
WIST7053	87	76	11	12.6%	39	37	2	5.1%	154	141	13	8.4%
WIST7054	75	71	4	5.3%	23	21	2	8.7%	108	101	7	6.5%
WIST7055	295	270	25	8.5%	78	73	5	6.4%	457	428	29	6.3%

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Stations	1998				1999				2000			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail
WIST7056	204	185	19	9.3%	57	52	5	8.8%	329	302	27	8.2%
WIST7061	65	56	9	13.8%	25	25		0.0%	93	87	6	6.5%
WIST7062	135	124	11	8.1%	43	41	2	4.7%	273	251	22	8.1%
WIST7064	89	82	7	7.9%	18	18		0.0%	162	155	7	4.3%
WIST7065	306	276	30	9.8%	121	110	11	9.1%	445	402	43	9.7%
WIST7067	63	60	3	4.8%	14	14		0.0%	109	100	9	8.3%
WIST7068	107	100	7	6.5%	36	35	1	2.8%	196	185	11	5.6%
WIST7069	217	201	16	7.4%	58	54	4	6.9%	358	327	31	8.7%
WIST7070	89	81	8	9.0%	26	22	4	15.4%	147	137	10	6.8%
WIST7071	183	172	11	6.0%	61	50	11	18.0%	298	279	19	6.4%
WIST7072	144	131	13	9.0%	34	29	5	14.7%	248	225	23	9.3%
WIST7073	180	162	18	10.0%	96	91	5	5.2%	301	256	45	15.0%
WIST7074	804	694	110	13.7%	347	299	48	13.8%	1208	1056	152	12.6%
WIST7075	171	165	6	3.5%	29	28	1	3.4%	260	245	15	5.8%
WIST7076	261	234	27	10.3%	75	67	8	10.7%	426	398	28	6.6%
WIST7078	133	123	10	7.5%	32	28	4	12.5%	190	169	21	11.1%
WIST7079	137	119	18	13.1%	69	57	12	17.4%	216	189	27	12.5%
WIST7080	165	157	8	4.8%	49	42	7	14.3%	286	269	17	5.9%
WIST7081	304	259	45	14.8%	146	124	22	15.1%	513	441	72	14.0%
WIST7083	395	366	29	7.3%	111	99	12	10.8%	736	673	63	8.6%
WIST7086	23	19	4	17.4%	10	8	2	20.0%	43	40	3	7.0%
WIST7088	45	40	5	11.1%	18	12	6	33.3%	74	67	7	9.5%
WIST7090	65	60	5	7.7%	22	17	5	22.7%	85	77	8	9.4%
WIST7092	63	55	8	12.7%	18	17	1	5.6%	116	109	7	6.0%
WIST7093	140	132	8	5.7%	43	40	3	7.0%	198	177	21	10.6%
WIST7094	150	139	11	7.3%	50	45	5	10.0%	279	265	14	5.0%
WIST7095	62	56	6	9.7%	10	7	3	30.0%	98	93	5	5.1%
WIST7098	144	131	13	9.0%	50	42	8	16.0%	245	217	28	11.4%
WIST7103	171	156	15	8.8%	41	38	3	7.3%	251	243	8	3.2%
WIST7104	29	26	3	10.3%	11	10	1	9.1%	44	39	5	11.4%
WIST7106	115	108	7	6.1%	41	35	6	14.6%	250	236	14	5.6%
WIST7108	461	424	37	8.0%	145	129	16	11.0%	657	614	43	6.5%

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Stations	1998				1999				2000			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail
WIST7109	254	230	24	9.4%	82	69	13	15.9%	431	388	43	10.0%
WIST7111	366	316	50	13.7%	155	130	25	16.1%	586	522	64	10.9%
WIST7112	170	155	15	8.8%	53	48	5	9.4%	287	264	23	8.0%
WIST7113	123	114	9	7.3%	37	33	4	10.8%	205	192	13	6.3%
WIST7115	5	5		0.0%	3	3		0.0%	20	20		0.0%
WIST7116	146	136	10	6.8%	57	54	3	5.3%	260	237	23	8.8%
WIST7117	287	263	24	8.4%	126	115	11	8.7%	474	440	34	7.2%
WIST7118	95	82	13	13.7%	28	27	1	3.6%	184	164	20	10.9%
WIST7119	93	85	8	8.6%	30	27	3	10.0%	123	114	9	7.3%
WIST7120	73	61	12	16.4%	36	33	3	8.3%	123	106	17	13.8%
WIST7121	77	74	3	3.9%	24	21	3	12.5%	136	124	12	8.8%
WIST7122	68	59	9	13.2%	21	18	3	14.3%	106	94	12	11.3%
WIST7123	36	33	3	8.3%	12	11	1	8.3%	73	58	15	20.5%
WIST7124	19	18	1	5.3%	9	9		0.0%	52	45	7	13.5%
WIST7125	27	21	6	22.2%	25	23	2	8.0%	38	31	7	18.4%
WIST7126	23	21	2	8.7%	6	5	1	16.7%	22	18	4	18.2%
WIST7127	45	39	6	13.3%	12	10	2	16.7%	89	75	14	15.7%
WIST8001	47	44	3	6.4%	8	7	1	12.5%	91	77	14	15.4%
WIST8002	188	171	17	9.0%	54	52	2	3.7%	286	266	20	7.0%
WIST8004	604	494	110	18.2%	324	269	55	17.0%	913	749	164	18.0%
WIST8005	166	136	30	18.1%	73	60	13	17.8%	280	239	41	14.6%
WIST8006	326	283	43	13.2%	142	123	19	13.4%	592	536	56	9.5%
WIST8007	175	158	17	9.7%	75	63	12	16.0%	293	268	25	8.5%
WIST8008	142	113	29	20.4%	83	68	15	18.1%	212	174	38	17.9%
WIST8009	65	62	3	4.6%	15	14	1	6.7%	112	102	10	8.9%
WIST8010	44	42	2	4.5%	12	12		0.0%	63	57	6	9.5%
WIST8011	176	156	20	11.4%	69	61	8	11.6%	309	289	20	6.5%
WIST8012	52	43	9	17.3%	25	22	3	12.0%	104	94	10	9.6%
WIST8013	69	57	12	17.4%	20	17	3	15.0%	138	129	9	6.5%
WISTT001	111	101	10	9.0%	29	26	3	10.3%	204	190	14	6.9%
WISTT002	137	115	22	16.1%	61	49	12	19.7%	203	181	22	10.8%
WISTT003	291	252	39	13.4%	111	90	21	18.9%	434	385	49	11.3%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	1998				1999				2000			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail
WISTT005	110	106	4	3.6%	38	34	4	10.5%	193	182	11	5.7%
WISTT006	171	153	18	10.5%	40	36	4	10.0%	266	251	15	5.6%
Grand Total	29663	26431	3232	10.9%	11115	9690	1425	12.8%	48971	44199	4772	9.7%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2001				2002				2003			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST1002	64	55	9	14.1%	265	236	29	10.9%	78	74	4	5.1%
WIST1003	26	23	3	11.5%	137	133	4	2.9%	29	27	2	6.9%
WIST1006				#DIV/0!				#DIV/0!				#DIV/0!
WIST1012	15	13	2	13.3%	79	73	6	7.6%	12	10	2	16.7%
WIST1013	25	22	3	12.0%	210	191	19	9.0%	34	31	3	8.8%
WIST1014	95	88	7	7.4%	459	424	35	7.6%	117	107	10	8.5%
WIST1015	131	117	14	10.7%	777	728	49	6.3%	170	160	10	5.9%
WIST1016	23	17	6	26.1%	91	83	8	8.8%	26	21	5	19.2%
WIST1017	34	30	4	11.8%	90	79	11	12.2%	54	47	7	13.0%
WIST2001	137	129	8	5.8%	647	593	54	8.3%	192	183	9	4.7%
WIST2003	46	42	4	8.7%	215	197	18	8.4%	51	50	1	2.0%
WIST2014	125	102	23	18.4%	278	235	43	15.5%	120	108	12	10.0%
WIST2015	36	29	7	19.4%	202	185	17	8.4%	55	45	10	18.2%
WIST2016	55	46	9	16.4%	185	155	30	16.2%	65	53	12	18.5%
WIST2017	31	25	6	19.4%	185	164	21	11.4%	29	28	1	3.4%
WIST2018	61	56	5	8.2%	341	317	24	7.0%	100	98	2	2.0%
WIST2019	20	19	1	5.0%	94	83	11	11.7%	17	16	1	5.9%
WIST2020	110	101	9	8.2%	619	574	45	7.3%	152	142	10	6.6%
WIST2021	25	23	2	8.0%	82	80	2	2.4%	32	29	3	9.4%
WIST2023				#DIV/0!	10	9	1	10.0%	3	3		0.0%
WIST2024	9	9		0.0%	32	29	3	9.4%	16	13	3	18.8%
WIST3003	33	29	4	12.1%	166	154	12	7.2%	30	28	2	6.7%
WIST3004	8	6	2	25.0%	5	5		0.0%	7	7		0.0%
WIST3005	56	51	5	8.9%	260	244	16	6.2%	55	48	7	12.7%
WIST3006	40	40		0.0%	193	180	13	6.7%	41	38	3	7.3%
WIST3013	104	88	16	15.4%	372	333	39	10.5%	120	107	13	10.8%
WIST3014	54	47	7	13.0%	192	172	20	10.4%	67	60	7	10.4%
WIST3016	134	109	25	18.7%	549	493	56	10.2%	129	121	8	6.2%
WIST3017	46	39	7	15.2%	258	240	18	7.0%	92	84	8	8.7%
WIST3018	85	63	22	25.9%	180	155	25	13.9%	70	59	11	15.7%
WIST3019	6	5	1	16.7%	41	39	2	4.9%	7	7		0.0%
WIST3020	7	7		0.0%	77	68	9	11.7%	30	28	2	6.7%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2001				2002				2003			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST3021	12	10	2	16.7%	47	45	2	4.3%	14	14		0.0%
WIST3022	6	6		0.0%	13	11	2	15.4%				#DIV/0!
WIST3023	7	6	1	14.3%	52	49	3	5.8%	10	9	1	10.0%
WIST3024				#DIV/0!	3	3		0.0%	2	2		0.0%
WIST4002	12	11	1	8.3%	130	124	6	4.6%	27	26	1	3.7%
WIST4003	93	87	6	6.5%	398	372	26	6.5%	61	57	4	6.6%
WIST4004	47	42	5	10.6%	389	360	29	7.5%	76	70	6	7.9%
WIST4006	80	70	10	12.5%	675	649	26	3.9%	114	103	11	9.6%
WIST4009	38	31	7	18.4%	197	182	15	7.6%	45	45		0.0%
WIST4011				#DIV/0!	3	2	1	33.3%	1	1		0.0%
WIST4014	14	14		0.0%	110	103	7	6.4%	21	20	1	4.8%
WIST4017	66	56	10	15.2%	393	364	29	7.4%	87	80	7	8.0%
WIST4019	41	39	2	4.9%	216	196	20	9.3%	47	42	5	10.6%
WIST4024	17	17		0.0%	178	170	8	4.5%	19	18	1	5.3%
WIST4026	15	14	1	6.7%	120	109	11	9.2%	27	26	1	3.7%
WIST4031	97	81	16	16.5%	421	388	33	7.8%	103	90	13	12.6%
WIST4032	262	206	56	21.4%	666	552	114	17.1%	258	216	42	16.3%
WIST4039	15	14	1	6.7%	84	79	5	6.0%	14	14		0.0%
WIST4040	35	33	2	5.7%	255	242	13	5.1%	32	29	3	9.4%
WIST4042	128	111	17	13.3%	446	403	43	9.6%	147	133	14	9.5%
WIST4043	242	210	32	13.2%	938	841	97	10.3%	309	285	24	7.8%
WIST4044	212	168	44	20.8%	521	455	66	12.7%	197	171	26	13.2%
WIST4045	54	50	4	7.4%	201	183	18	9.0%	49	44	5	10.2%
WIST4046	147	128	19	12.9%	416	387	29	7.0%	132	124	8	6.1%
WIST4047	72	58	14	19.4%	178	152	26	14.6%	103	89	14	13.6%
WIST4048	46	41	5	10.9%	245	221	24	9.8%	59	52	7	11.9%
WIST4049	14	13	1	7.1%	89	86	3	3.4%	16	16		0.0%
WIST4050	32	25	7	21.9%	234	219	15	6.4%	32	28	4	12.5%
WIST4051	61	52	9	14.8%	270	250	20	7.4%	79	73	6	7.6%
WIST4052	10	7	3	30.0%	8	8		0.0%	4	4		0.0%
WIST4053	2	2		0.0%	10	10		0.0%				#DIV/0!
WIST4054	11	9	2	18.2%	36	33	3	8.3%	18	18		0.0%

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Stations	2001				2002				2003			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST5003	85	75	10	11.8%	276	246	30	10.9%	79	71	8	10.1%
WIST5004	41	34	7	17.1%	233	215	18	7.7%	43	41	2	4.7%
WIST5005	41	36	5	12.2%	242	228	14	5.8%	53	48	5	9.4%
WIST5007	9	8	1	11.1%	80	77	3	3.8%	23	21	2	8.7%
WIST5008	146	134	12	8.2%	850	788	62	7.3%	199	190	9	4.5%
WIST5009	15	12	3	20.0%	115	107	8	7.0%	20	20		0.0%
WIST5011	22	21	1	4.5%	215	197	18	8.4%	35	33	2	5.7%
WIST5012	40	37	3	7.5%	288	262	26	9.0%	51	45	6	11.8%
WIST5014	114	102	12	10.5%	701	648	53	7.6%	156	149	7	4.5%
WIST5015	100	86	14	14.0%	326	283	43	13.2%	104	97	7	6.7%
WIST5017	36	33	3	8.3%	198	183	15	7.6%	49	46	3	6.1%
WIST5021	21	21		0.0%	127	112	15	11.8%	20	17	3	15.0%
WIST5023	10	10		0.0%	52	48	4	7.7%	21	21		0.0%
WIST5028	17	16	1	5.9%	116	108	8	6.9%	35	34	1	2.9%
WIST5029	145	127	18	12.4%	693	648	45	6.5%	184	164	20	10.9%
WIST5036	23	17	6	26.1%	117	103	14	12.0%	40	33	7	17.5%
WIST5037	22	20	2	9.1%	142	135	7	4.9%	50	50		0.0%
WIST5040	19	19		0.0%	136	124	12	8.8%	36	35	1	2.8%
WIST5041	20	19	1	5.0%	151	143	8	5.3%	23	20	3	13.0%
WIST5044	12	11	1	8.3%	45	38	7	15.6%	21	19	2	9.5%
WIST5045	14	13	1	7.1%	82	79	3	3.7%	16	15	1	6.3%
WIST5047	16	12	4	25.0%	84	81	3	3.6%	23	23		0.0%
WIST5049	48	43	5	10.4%	344	320	24	7.0%	61	57	4	6.6%
WIST5052	5	5		0.0%	11	10	1	9.1%	6	4	2	33.3%
WIST5053	29	26	3	10.3%	146	135	11	7.5%	26	25	1	3.8%
WIST5055	141	120	21	14.9%	566	507	59	10.4%	164	142	22	13.4%
WIST5056	33	30	3	9.1%	57	49	8	14.0%	47	45	2	4.3%
WIST5058	28	24	4	14.3%	158	143	15	9.5%	38	37	1	2.6%
WIST5061	40	38	2	5.0%	228	215	13	5.7%	52	50	2	3.8%
WIST5066	70	65	5	7.1%	430	402	28	6.5%	102	98	4	3.9%
WIST5069	438	353	85	19.4%	959	807	152	15.8%	529	455	74	14.0%
WIST5070	66	50	16	24.2%	184	156	28	15.2%	63	57	6	9.5%

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Stations	2001				2002				2003			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST5071	97	70	27	27.8%	412	363	49	11.9%	132	120	12	9.1%
WIST5072	30	28	2	6.7%	129	116	13	10.1%	32	31	1	3.1%
WIST5073	81	55	26	32.1%	297	257	40	13.5%	112	93	19	17.0%
WIST5074	31	29	2	6.5%	92	82	10	10.9%	35	31	4	11.4%
WIST6001	278	229	49	17.6%	1063	936	127	11.9%	296	267	29	9.8%
WIST6004	81	75	6	7.4%	503	461	42	8.3%	76	73	3	3.9%
WIST6007	23	23		0.0%	133	125	8	6.0%	29	28	1	3.4%
WIST6012	19	16	3	15.8%	98	88	10	10.2%	18	16	2	11.1%
WIST6013	35	34	1	2.9%	218	205	13	6.0%	42	41	1	2.4%
WIST6014	26	23	3	11.5%	146	132	14	9.6%	22	19	3	13.6%
WIST6016	58	49	9	15.5%	352	323	29	8.2%	68	58	10	14.7%
WIST6018	154	143	11	7.1%	696	620	76	10.9%	176	159	17	9.7%
WIST6021	18	18		0.0%	139	128	11	7.9%	33	31	2	6.1%
WIST6022	41	35	6	14.6%	304	281	23	7.6%	65	64	1	1.5%
WIST6026	19	19		0.0%	76	69	7	9.2%	12	12		0.0%
WIST6027	73	59	14	19.2%	356	322	34	9.6%	84	80	4	4.8%
WIST6028	12	10	2	16.7%	30	29	1	3.3%	11	9	2	18.2%
WIST6029	23	19	4	17.4%	124	108	16	12.9%	42	36	6	14.3%
WIST6030	21	20	1	4.8%	222	209	13	5.9%	53	48	5	9.4%
WIST6031	7	7		0.0%	44	42	2	4.5%	11	11		0.0%
WIST6033	12	10	2	16.7%	42	41	1	2.4%	9	9		0.0%
WIST6034	9	7	2	22.2%	67	63	4	6.0%	14	12	2	14.3%
WIST6035	29	26	3	10.3%	67	58	9	13.4%	23	20	3	13.0%
WIST6036	4	4		0.0%	14	14		0.0%	5	4	1	20.0%
WIST6037	65	59	6	9.2%	138	126	12	8.7%	50	40	10	20.0%
WIST6038	31	29	2	6.5%	69	62	7	10.1%	13	13		0.0%
WIST6039	7	5	2	28.6%	19	16	3	15.8%	15	12	3	20.0%
WIST6040	66	53	13	19.7%	176	162	14	8.0%	69	62	7	10.1%
WIST7003	194	164	30	15.5%	800	722	78	9.8%	227	207	20	8.8%
WIST7004	113	98	15	13.3%	513	467	46	9.0%	126	115	11	8.7%
WIST7006	21	20	1	4.8%	98	94	4	4.1%	24	22	2	8.3%
WIST7007	27	21	6	22.2%	126	114	12	9.5%	22	19	3	13.6%

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Stations	2001				2002				2003			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7009	85	70	15	17.6%	353	327	26	7.4%	105	94	11	10.5%
WIST7011	83	74	9	10.8%	381	335	46	12.1%	80	75	5	6.3%
WIST7014	109	96	13	11.9%	593	548	45	7.6%	156	143	13	8.3%
WIST7015	38	32	6	15.8%	221	203	18	8.1%	39	35	4	10.3%
WIST7016	125	109	16	12.8%	605	554	51	8.4%	124	112	12	9.7%
WIST7017	101	79	22	21.8%	528	476	52	9.8%	119	108	11	9.2%
WIST7018	16	16		0.0%	107	104	3	2.8%	24	24		0.0%
WIST7019	11	8	3	27.3%	80	76	4	5.0%	19	16	3	15.8%
WIST7020	31	25	6	19.4%	134	127	7	5.2%	34	32	2	5.9%
WIST7021	42	33	9	21.4%	148	137	11	7.4%	38	35	3	7.9%
WIST7022	35	31	4	11.4%	281	272	9	3.2%	43	42	1	2.3%
WIST7023	101	90	11	10.9%	377	348	29	7.7%	95	88	7	7.4%
WIST7024	25	22	3	12.0%	194	171	23	11.9%	35	32	3	8.6%
WIST7025	16	13	3	18.8%	134	127	7	5.2%	24	21	3	12.5%
WIST7027	58	46	12	20.7%	139	118	21	15.1%	55	45	10	18.2%
WIST7030	168	143	25	14.9%	700	621	79	11.3%	197	178	19	9.6%
WIST7031	12	10	2	16.7%	114	103	11	9.6%	32	28	4	12.5%
WIST7032	103	73	30	29.1%	267	223	44	16.5%	97	78	19	19.6%
WIST7033	166	141	25	15.1%	620	553	67	10.8%	194	178	16	8.2%
WIST7036	131	111	20	15.3%	495	446	49	9.9%	159	144	15	9.4%
WIST7039	36	32	4	11.1%	159	153	6	3.8%	29	29		0.0%
WIST7040	50	47	3	6.0%	311	288	23	7.4%	73	69	4	5.5%
WIST7041	58	47	11	19.0%	420	392	28	6.7%	83	80	3	3.6%
WIST7042	98	87	11	11.2%	664	620	44	6.6%	154	147	7	4.5%
WIST7044	57	47	10	17.5%	428	396	32	7.5%	73	67	6	8.2%
WIST7045	94	88	6	6.4%	527	496	31	5.9%	115	108	7	6.1%
WIST7046	98	69	29	29.6%	328	287	41	12.5%	124	108	16	12.9%
WIST7049	36	32	4	11.1%	254	241	13	5.1%	54	52	2	3.7%
WIST7052	95	80	15	15.8%	683	625	58	8.5%	158	147	11	7.0%
WIST7053	41	36	5	12.2%	228	211	17	7.5%	56	51	5	8.9%
WIST7054	21	19	2	9.5%	154	148	6	3.9%	18	18		0.0%
WIST7055	109	98	11	10.1%	615	580	35	5.7%	141	130	11	7.8%

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Stations	2001				2002				2003			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7056	99	94	5	5.1%	449	416	33	7.3%	92	86	6	6.5%
WIST7061	15	15		0.0%	139	128	11	7.9%	21	21		0.0%
WIST7062	71	66	5	7.0%	336	316	20	6.0%	74	67	7	9.5%
WIST7064	30	27	3	10.0%	275	261	14	5.1%	39	36	3	7.7%
WIST7065	135	115	20	14.8%	669	612	57	8.5%	145	132	13	9.0%
WIST7067	26	26		0.0%	164	155	9	5.5%	29	28	1	3.4%
WIST7068	42	38	4	9.5%	298	277	21	7.0%	62	58	4	6.5%
WIST7069	79	69	10	12.7%	506	466	40	7.9%	130	119	11	8.5%
WIST7070	33	32	1	3.0%	211	191	20	9.5%	43	43		0.0%
WIST7071	73	67	6	8.2%	445	407	38	8.5%	108	103	5	4.6%
WIST7072	72	66	6	8.3%	373	346	27	7.2%	88	79	9	10.2%
WIST7073	117	97	20	17.1%	390	343	47	12.1%	84	80	4	4.8%
WIST7074	402	339	63	15.7%	1605	1445	160	10.0%	451	412	39	8.6%
WIST7075	49	46	3	6.1%	365	350	15	4.1%	72	69	3	4.2%
WIST7076	107	97	10	9.3%	619	582	37	6.0%	135	126	9	6.7%
WIST7078	51	43	8	15.7%	348	325	23	6.6%	62	58	4	6.5%
WIST7079	98	75	23	23.5%	270	227	43	15.9%	109	91	18	16.5%
WIST7080	71	61	10	14.1%	380	350	30	7.9%	87	79	8	9.2%
WIST7081	144	121	23	16.0%	623	553	70	11.2%	166	140	26	15.7%
WIST7083	152	136	16	10.5%	917	858	59	6.4%	191	180	11	5.8%
WIST7086	10	10		0.0%	96	89	7	7.3%	16	16		0.0%
WIST7088	21	20	1	4.8%	128	116	12	9.4%	34	30	4	11.8%
WIST7090	19	17	2	10.5%	142	136	6	4.2%	18	18		0.0%
WIST7092	29	26	3	10.3%	175	157	18	10.3%	39	38	1	2.6%
WIST7093	44	38	6	13.6%	280	265	15	5.4%	56	53	3	5.4%
WIST7094	57	56	1	1.8%	425	398	27	6.4%	81	78	3	3.7%
WIST7095	21	20	1	4.8%	127	121	6	4.7%	33	31	2	6.1%
WIST7098	59	51	8	13.6%	355	318	37	10.4%	74	68	6	8.1%
WIST7103	58	51	7	12.1%	369	342	27	7.3%	73	67	6	8.2%
WIST7104	19	17	2	10.5%	56	51	5	8.9%	20	17	3	15.0%
WIST7106	50	47	3	6.0%	375	356	19	5.1%	66	64	2	3.0%
WIST7108	167	150	17	10.2%	879	805	74	8.4%	172	155	17	9.9%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2001				2002				2003			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7109	109	95	14	12.8%	507	462	45	8.9%	133	118	15	11.3%
WIST7111	228	194	34	14.9%	704	640	64	9.1%	260	232	28	10.8%
WIST7112	70	59	11	15.7%	366	327	39	10.7%	82	77	5	6.1%
WIST7113	60	52	8	13.3%	312	286	26	8.3%	81	74	7	8.6%
WIST7115	6	6		0.0%	29	29		0.0%	2	2		0.0%
WIST7116	67	64	3	4.5%	379	360	19	5.0%	83	77	6	7.2%
WIST7117	123	111	12	9.8%	605	556	49	8.1%	163	151	12	7.4%
WIST7118	42	34	8	19.0%	206	188	18	8.7%	52	48	4	7.7%
WIST7119	39	37	2	5.1%	204	186	18	8.8%	55	51	4	7.3%
WIST7120	42	31	11	26.2%	136	113	23	16.9%	58	47	11	19.0%
WIST7121	28	25	3	10.7%	203	187	16	7.9%	39	36	3	7.7%
WIST7122	22	20	2	9.1%	149	138	11	7.4%	30	28	2	6.7%
WIST7123	20	17	3	15.0%	86	76	10	11.6%	36	34	2	5.6%
WIST7124	15	11	4	26.7%	71	61	10	14.1%	28	23	5	17.9%
WIST7125	18	14	4	22.2%	44	39	5	11.4%	23	19	4	17.4%
WIST7126	8	7	1	12.5%	29	24	5	17.2%	6	5	1	16.7%
WIST7127	27	25	2	7.4%	99	80	19	19.2%	34	33	1	2.9%
WIST8001	25	24	1	4.0%	143	139	4	2.8%	26	24	2	7.7%
WIST8002	79	75	4	5.1%	485	452	33	6.8%	98	88	10	10.2%
WIST8004	398	322	76	19.1%	1095	943	152	13.9%	461	393	68	14.8%
WIST8005	115	101	14	12.2%	421	371	50	11.9%	140	119	21	15.0%
WIST8006	203	159	44	21.7%	878	776	102	11.6%	284	245	39	13.7%
WIST8007	103	89	14	13.6%	424	378	46	10.8%	115	109	6	5.2%
WIST8008	79	63	16	20.3%	259	232	27	10.4%	103	87	16	15.5%
WIST8009	28	25	3	10.7%	186	168	18	9.7%	35	35		0.0%
WIST8010	13	12	1	7.7%	101	92	9	8.9%	30	29	1	3.3%
WIST8011	71	63	8	11.3%	418	387	31	7.4%	104	99	5	4.8%
WIST8012	29	25	4	13.8%	127	111	16	12.6%	32	29	3	9.4%
WIST8013	30	27	3	10.0%	190	171	19	10.0%	46	42	4	8.7%
WISTT001	47	44	3	6.4%	325	304	21	6.5%	67	63	4	6.0%
WISTT002	80	68	12	15.0%	273	233	40	14.7%	74	70	4	5.4%
WISTT003	183	141	42	23.0%	595	524	71	11.9%	168	143	25	14.9%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2001				2002				2003			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WISTT005	43	39	4	9.3%	315	295	20	6.3%	71	65	6	8.5%
WISTT006	58	53	5	8.6%	345	325	20	5.8%	71	67	4	5.6%
Grand Total	14277	12284	1993	14.0%	65888	60052	5836	8.9%	17125	15573	1552	9.1%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2004				2005				2006			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail \$
WIST1002	251	234	17	6.8%	68	63	5	7.4%	209	194	15	7.2%
WIST1003	147	143	4	2.7%	21	21		0.0%	129	125	4	3.1%
WIST1006				#DIV/0!	2	2		0.0%				#DIV/0!
WIST1012	87	81	6	6.9%	16	16		0.0%	101	95	6	5.9%
WIST1013	258	250	8	3.1%	57	55	2	3.5%	307	302	5	1.6%
WIST1014	453	418	35	7.7%	110	107	3	2.7%	424	411	13	3.1%
WIST1015	963	918	45	4.7%	224	212	12	5.4%	1117	1080	37	3.3%
WIST1016	72	67	5	6.9%	28	27	1	3.6%	71	68	3	4.2%
WIST1017	109	101	8	7.3%	36	34	2	5.6%	102	92	10	9.8%
WIST2001	715	690	25	3.5%	154	149	5	3.2%	765	744	21	2.7%
WIST2003	278	265	13	4.7%	69	65	4	5.8%	262	253	9	3.4%
WIST2014	280	256	24	8.6%	87	78	9	10.3%	282	264	18	6.4%
WIST2015	272	252	20	7.4%	66	60	6	9.1%	358	348	10	2.8%
WIST2016	189	175	14	7.4%	60	56	4	6.7%	207	191	16	7.7%
WIST2017	245	227	18	7.3%	53	52	1	1.9%	333	324	9	2.7%
WIST2018	405	383	22	5.4%	100	97	3	3.0%	509	497	12	2.4%
WIST2019	78	74	4	5.1%	18	18		0.0%	105	100	5	4.8%
WIST2020	872	840	32	3.7%	177	169	8	4.5%	953	918	35	3.7%
WIST2021	128	115	13	10.2%	20	19	1	5.0%	143	137	6	4.2%
WIST2023	19	18	1	5.3%	3	2	1	33.3%	15	14	1	6.7%
WIST2024	50	48	2	4.0%	18	18		0.0%	62	61	1	1.6%
WIST3003	183	175	8	4.4%	55	54	1	1.8%	187	173	14	7.5%
WIST3004	10	10		0.0%	9	8	1	11.1%	11	11		0.0%
WIST3005	338	318	20	5.9%	74	71	3	4.1%	406	394	12	3.0%
WIST3006	191	183	8	4.2%	28	26	2	7.1%	193	189	4	2.1%
WIST3013	399	368	31	7.8%	124	118	6	4.8%	438	416	22	5.0%
WIST3014	199	186	13	6.5%	63	60	3	4.8%	200	194	6	3.0%
WIST3016	536	492	44	8.2%	162	152	10	6.2%	519	483	36	6.9%
WIST3017	371	347	24	6.5%	73	66	7	9.6%	426	406	20	4.7%
WIST3018	193	176	17	8.8%	74	67	7	9.5%	178	169	9	5.1%
WIST3019	63	59	4	6.3%	15	15		0.0%	76	73	3	3.9%
WIST3020	112	106	6	5.4%	13	13		0.0%	168	165	3	1.8%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2004				2005				2006			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail \$
WIST3021	79	74	5	6.3%	13	13		0.0%	70	67	3	4.3%
WIST3022	24	23	1	4.2%	3	3		0.0%	5	5		0.0%
WIST3023	59	57	2	3.4%	15	15		0.0%	89	84	5	5.6%
WIST3024	1	1		0.0%				#DIV/0!	2	1	1	50.0%
WIST4002	136	130	6	4.4%	23	20	3	13.0%	150	148	2	1.3%
WIST4003	358	336	22	6.1%	78	72	6	7.7%	451	433	18	4.0%
WIST4004	408	387	21	5.1%	56	55	1	1.8%	413	402	11	2.7%
WIST4006	757	725	32	4.2%	151	146	5	3.3%	906	874	32	3.5%
WIST4009	231	222	9	3.9%	64	63	1	1.6%	263	250	13	4.9%
WIST4011	2	2		0.0%	1	1		0.0%	3	3		0.0%
WIST4014	126	118	8	6.3%	18	17	1	5.6%	110	106	4	3.6%
WIST4017	461	444	17	3.7%	82	80	2	2.4%	486	477	9	1.9%
WIST4019	188	177	11	5.9%	53	52	1	1.9%	165	158	7	4.2%
WIST4024	219	210	9	4.1%	29	26	3	10.3%	197	192	5	2.5%
WIST4026	180	172	8	4.4%	39	35	4	10.3%	210	207	3	1.4%
WIST4031	367	345	22	6.0%	94	84	10	10.6%	404	379	25	6.2%
WIST4032	549	495	54	9.8%	217	192	25	11.5%	532	478	54	10.2%
WIST4039	103	102	1	1.0%	26	24	2	7.7%	133	132	1	0.8%
WIST4040	221	212	9	4.1%	46	46		0.0%	273	267	6	2.2%
WIST4042	452	414	38	8.4%	141	132	9	6.4%	455	429	26	5.7%
WIST4043	927	878	49	5.3%	340	326	14	4.1%	948	897	51	5.4%
WIST4044	670	624	46	6.9%	209	189	20	9.6%	672	632	40	6.0%
WIST4045	217	210	7	3.2%	59	56	3	5.1%	266	258	8	3.0%
WIST4046	389	369	20	5.1%	132	124	8	6.1%	380	363	17	4.5%
WIST4047	161	139	22	13.7%	64	59	5	7.8%	144	137	7	4.9%
WIST4048	300	280	20	6.7%	70	69	1	1.4%	360	339	21	5.8%
WIST4049	101	95	6	5.9%	22	21	1	4.5%	136	133	3	2.2%
WIST4050	283	273	10	3.5%	62	60	2	3.2%	343	332	11	3.2%
WIST4051	328	309	19	5.8%	73	70	3	4.1%	318	312	6	1.9%
WIST4052	5	4	1	20.0%	1		1	100.0%	7	6	1	14.3%
WIST4053	4	3	1	25.0%				#DIV/0!	1	1		0.0%
WIST4054	48	45	3	6.3%	17	16	1	5.9%	53	50	3	5.7%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2004				2005				2006			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail \$
WIST5003	270	248	22	8.1%	89	77	12	13.5%	334	308	26	7.8%
WIST5004	293	271	22	7.5%	49	46	3	6.1%	336	328	8	2.4%
WIST5005	218	205	13	6.0%	41	37	4	9.8%	255	247	8	3.1%
WIST5007	100	94	6	6.0%	19	19		0.0%	98	92	6	6.1%
WIST5008	956	902	54	5.6%	196	192	4	2.0%	994	959	35	3.5%
WIST5009	177	172	5	2.8%	17	15	2	11.8%	194	189	5	2.6%
WIST5011	382	367	15	3.9%	60	58	2	3.3%	390	379	11	2.8%
WIST5012	338	318	20	5.9%	61	61		0.0%	381	356	25	6.6%
WIST5014	802	764	38	4.7%	170	159	11	6.5%	908	871	37	4.1%
WIST5015	351	318	33	9.4%	101	96	5	5.0%	336	314	22	6.5%
WIST5017	182	171	11	6.0%	51	49	2	3.9%	218	213	5	2.3%
WIST5021	125	120	5	4.0%	32	32		0.0%	140	132	8	5.7%
WIST5023	75	72	3	4.0%	29	29		0.0%	92	88	4	4.3%
WIST5028	96	92	4	4.2%	33	32	1	3.0%	116	114	2	1.7%
WIST5029	869	817	52	6.0%	195	182	13	6.7%	973	940	33	3.4%
WIST5036	127	114	13	10.2%	54	48	6	11.1%	105	101	4	3.8%
WIST5037	175	169	6	3.4%	37	35	2	5.4%	173	168	5	2.9%
WIST5040	153	144	9	5.9%	22	20	2	9.1%	146	138	8	5.5%
WIST5041	191	184	7	3.7%	30	30		0.0%	191	187	4	2.1%
WIST5044	74	72	2	2.7%	25	21	4	16.0%	91	86	5	5.5%
WIST5045	82	79	3	3.7%	8	7	1	12.5%	93	89	4	4.3%
WIST5047	119	109	10	8.4%	32	29	3	9.4%	111	109	2	1.8%
WIST5049	378	363	15	4.0%	72	67	5	6.9%	425	416	9	2.1%
WIST5052	13	12	1	7.7%	2	2		0.0%	14	13	1	7.1%
WIST5053	139	135	4	2.9%	22	22		0.0%	121	117	4	3.3%
WIST5055	579	540	39	6.7%	166	152	14	8.4%	629	601	28	4.5%
WIST5056	78	71	7	9.0%	29	28	1	3.4%	88	84	4	4.5%
WIST5058	184	169	15	8.2%	47	45	2	4.3%	180	176	4	2.2%
WIST5061	220	208	12	5.5%	33	31	2	6.1%	223	217	6	2.7%
WIST5066	439	417	22	5.0%	81	79	2	2.5%	424	410	14	3.3%
WIST5069	930	835	95	10.2%	400	363	37	9.3%	820	755	65	7.9%
WIST5070	202	186	16	7.9%	62	60	2	3.2%	233	227	6	2.6%

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Stations	2004				2005				2006			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail \$
WIST5071	473	439	34	7.2%	120	112	8	6.7%	505	479	26	5.1%
WIST5072	114	106	8	7.0%	35	31	4	11.4%	91	86	5	5.5%
WIST5073	327	301	26	8.0%	111	98	13	11.7%	387	371	16	4.1%
WIST5074	102	98	4	3.9%	42	39	3	7.1%	111	104	7	6.3%
WIST6001	1041	963	78	7.5%	271	250	21	7.7%	980	920	60	6.1%
WIST6004	656	630	26	4.0%	108	103	5	4.6%	733	705	28	3.8%
WIST6007	118	114	4	3.4%	33	32	1	3.0%	122	120	2	1.6%
WIST6012	110	104	6	5.5%	25	24	1	4.0%	123	117	6	4.9%
WIST6013	280	269	11	3.9%	38	36	2	5.3%	287	279	8	2.8%
WIST6014	154	147	7	4.5%	32	32		0.0%	133	126	7	5.3%
WIST6016	374	347	27	7.2%	86	81	5	5.8%	408	391	17	4.2%
WIST6018	636	583	53	8.3%	159	149	10	6.3%	651	614	37	5.7%
WIST6021	174	165	9	5.2%	37	36	1	2.7%	195	192	3	1.5%
WIST6022	378	363	15	4.0%	86	76	10	11.6%	453	440	13	2.9%
WIST6026	87	83	4	4.6%	18	18		0.0%	75	69	6	8.0%
WIST6027	469	440	29	6.2%	110	105	5	4.5%	538	510	28	5.2%
WIST6028	38	35	3	7.9%	17	16	1	5.9%	38	36	2	5.3%
WIST6029	130	120	10	7.7%	41	39	2	4.9%	127	121	6	4.7%
WIST6030	261	257	4	1.5%	50	48	2	4.0%	303	294	9	3.0%
WIST6031	55	52	3	5.5%	12	12		0.0%	83	76	7	8.4%
WIST6033	56	54	2	3.6%	11	11		0.0%	69	66	3	4.3%
WIST6034	69	66	3	4.3%	21	21		0.0%	91	91		0.0%
WIST6035	55	52	3	5.5%	24	23	1	4.2%	72	70	2	2.8%
WIST6036	16	15	1	6.3%	2	2		0.0%	29	28	1	3.4%
WIST6037	133	125	8	6.0%	54	50	4	7.4%	125	117	8	6.4%
WIST6038	51	49	2	3.9%	28	27	1	3.6%	65	64	1	1.5%
WIST6039	30	29	1	3.3%	11	11		0.0%	36	33	3	8.3%
WIST6040	169	156	13	7.7%	62	61	1	1.6%	152	141	11	7.2%
WIST7003	863	801	62	7.2%	212	200	12	5.7%	912	881	31	3.4%
WIST7004	491	454	37	7.5%	116	110	6	5.2%	510	481	29	5.7%
WIST7006	126	122	4	3.2%	31	30	1	3.2%	155	147	8	5.2%
WIST7007	138	128	10	7.2%	28	25	3	10.7%	128	123	5	3.9%

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Stations	2004				2005				2006			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail \$
WIST7009	347	333	14	4.0%	111	106	5	4.5%	357	340	17	4.8%
WIST7011	387	357	30	7.8%	105	100	5	4.8%	373	358	15	4.0%
WIST7014	758	707	51	6.7%	188	177	11	5.9%	754	738	16	2.1%
WIST7015	294	281	13	4.4%	58	54	4	6.9%	304	293	11	3.6%
WIST7016	872	825	47	5.4%	168	157	11	6.5%	963	932	31	3.2%
WIST7017	613	576	37	6.0%	134	131	3	2.2%	630	596	34	5.4%
WIST7018	119	119		0.0%	21	21		0.0%	140	138	2	1.4%
WIST7019	88	83	5	5.7%	13	13		0.0%	97	95	2	2.1%
WIST7020	122	112	10	8.2%	31	29	2	6.5%	146	140	6	4.1%
WIST7021	155	142	13	8.4%	47	43	4	8.5%	171	165	6	3.5%
WIST7022	417	395	22	5.3%	89	85	4	4.5%	424	411	13	3.1%
WIST7023	368	346	22	6.0%	108	101	7	6.5%	403	386	17	4.2%
WIST7024	157	141	16	10.2%	43	42	1	2.3%	187	176	11	5.9%
WIST7025	156	151	5	3.2%	23	22	1	4.3%	164	161	3	1.8%
WIST7027	126	110	16	12.7%	56	50	6	10.7%	149	135	14	9.4%
WIST7030	724	670	54	7.5%	176	166	10	5.7%	702	664	38	5.4%
WIST7031	172	161	11	6.4%	19	18	1	5.3%	177	170	7	4.0%
WIST7032	213	187	26	12.2%	93	85	8	8.6%	246	237	9	3.7%
WIST7033	581	533	48	8.3%	146	136	10	6.8%	506	483	23	4.5%
WIST7036	532	482	50	9.4%	144	136	8	5.6%	498	474	24	4.8%
WIST7039	169	168	1	0.6%	40	40		0.0%	207	203	4	1.9%
WIST7040	409	387	22	5.4%	69	68	1	1.4%	463	441	22	4.8%
WIST7041	471	447	24	5.1%	92	87	5	5.4%	580	555	25	4.3%
WIST7042	803	759	44	5.5%	183	177	6	3.3%	931	893	38	4.1%
WIST7044	469	451	18	3.8%	73	69	4	5.5%	554	539	15	2.7%
WIST7045	714	679	35	4.9%	133	124	9	6.8%	659	638	21	3.2%
WIST7046	294	266	28	9.5%	111	103	8	7.2%	254	235	19	7.5%
WIST7049	311	304	7	2.3%	68	65	3	4.4%	350	339	11	3.1%
WIST7052	874	835	39	4.5%	182	173	9	4.9%	996	959	37	3.7%
WIST7053	250	234	16	6.4%	53	49	4	7.5%	240	231	9	3.8%
WIST7054	153	153		0.0%	34	32	2	5.9%	162	160	2	1.2%
WIST7055	607	578	29	4.8%	125	116	9	7.2%	600	574	26	4.3%

Appendix 2

Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2004				2005				2006			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail \$
WIST7056	492	476	16	3.3%	113	107	6	5.3%	525	507	18	3.4%
WIST7061	155	152	3	1.9%	24	22	2	8.3%	158	154	4	2.5%
WIST7062	450	423	27	6.0%	72	71	1	1.4%	444	428	16	3.6%
WIST7064	375	361	14	3.7%	55	52	3	5.5%	481	473	8	1.7%
WIST7065	615	587	28	4.6%	166	160	6	3.6%	562	531	31	5.5%
WIST7067	169	162	7	4.1%	35	34	1	2.9%	214	205	9	4.2%
WIST7068	350	334	16	4.6%	74	69	5	6.8%	309	304	5	1.6%
WIST7069	635	600	35	5.5%	120	117	3	2.5%	762	740	22	2.9%
WIST7070	244	239	5	2.0%	54	51	3	5.6%	273	266	7	2.6%
WIST7071	469	445	24	5.1%	119	115	4	3.4%	512	497	15	2.9%
WIST7072	388	367	21	5.4%	76	73	3	3.9%	452	433	19	4.2%
WIST7073	370	341	29	7.8%	108	103	5	4.6%	407	385	22	5.4%
WIST7074	1241	1153	88	7.1%	446	420	26	5.8%	972	912	60	6.2%
WIST7075	384	369	15	3.9%	75	72	3	4.0%	406	391	15	3.7%
WIST7076	795	753	42	5.3%	154	146	8	5.2%	904	880	24	2.7%
WIST7078	372	361	11	3.0%	75	72	3	4.0%	422	407	15	3.6%
WIST7079	273	251	22	8.1%	97	91	6	6.2%	232	212	20	8.6%
WIST7080	491	461	30	6.1%	114	110	4	3.5%	491	474	17	3.5%
WIST7081	684	636	48	7.0%	188	167	21	11.2%	657	622	35	5.3%
WIST7083	1157	1095	62	5.4%	232	219	13	5.6%	1268	1225	43	3.4%
WIST7086	102	99	3	2.9%	13	13		0.0%	111	108	3	2.7%
WIST7088	119	112	7	5.9%	26	26		0.0%	94	89	5	5.3%
WIST7090	166	156	10	6.0%	33	33		0.0%	226	218	8	3.5%
WIST7092	195	187	8	4.1%	29	28	1	3.4%	225	217	8	3.6%
WIST7093	390	374	16	4.1%	62	57	5	8.1%	411	398	13	3.2%
WIST7094	490	469	21	4.3%	95	92	3	3.2%	573	555	18	3.1%
WIST7095	168	161	7	4.2%	33	32	1	3.0%	188	180	8	4.3%
WIST7098	474	451	23	4.9%	92	90	2	2.2%	528	506	22	4.2%
WIST7103	453	431	22	4.9%	79	77	2	2.5%	434	417	17	3.9%
WIST7104	60	59	1	1.7%	29	29		0.0%	55	53	2	3.6%
WIST7106	519	515	4	0.8%	102	101	1	1.0%	621	613	8	1.3%
WIST7108	884	828	56	6.3%	189	173	16	8.5%	929	891	38	4.1%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2004				2005				2006			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail \$
WIST7109	598	564	34	5.7%	124	116	8	6.5%	675	645	30	4.4%
WIST7111	688	642	46	6.7%	200	187	13	6.5%	614	582	32	5.2%
WIST7112	387	365	22	5.7%	97	92	5	5.2%	452	428	24	5.3%
WIST7113	367	351	16	4.4%	89	86	3	3.4%	409	400	9	2.2%
WIST7115	20	20		0.0%	4	4		0.0%	25	25		0.0%
WIST7116	477	453	24	5.0%	126	120	6	4.8%	611	590	21	3.4%
WIST7117	635	597	38	6.0%	187	174	13	7.0%	709	674	35	4.9%
WIST7118	247	230	17	6.9%	57	55	2	3.5%	246	240	6	2.4%
WIST7119	276	269	7	2.5%	77	76	1	1.3%	284	276	8	2.8%
WIST7120	102	88	14	13.7%	48	44	4	8.3%	114	108	6	5.3%
WIST7121	310	296	14	4.5%	52	45	7	13.5%	346	337	9	2.6%
WIST7122	197	185	12	6.1%	25	21	4	16.0%	179	170	9	5.0%
WIST7123	135	123	12	8.9%	32	30	2	6.3%	156	147	9	5.8%
WIST7124	97	88	9	9.3%	29	28	1	3.4%	109	100	9	8.3%
WIST7125	47	43	4	8.5%	17	16	1	5.9%	45	44	1	2.2%
WIST7126	23	19	4	17.4%	20	18	2	10.0%	30	28	2	6.7%
WIST7127	158	147	11	7.0%	50	45	5	10.0%	164	159	5	3.0%
WIST8001	202	197	5	2.5%	37	36	1	2.7%	214	210	4	1.9%
WIST8002	581	551	30	5.2%	129	123	6	4.7%	715	689	26	3.6%
WIST8004	880	791	89	10.1%	368	324	44	12.0%	644	583	61	9.5%
WIST8005	481	434	47	9.8%	140	128	12	8.6%	512	496	16	3.1%
WIST8006	1045	956	89	8.5%	251	232	19	7.6%	1236	1174	62	5.0%
WIST8007	498	467	31	6.2%	117	112	5	4.3%	567	543	24	4.2%
WIST8008	222	200	22	9.9%	71	62	9	12.7%	244	227	17	7.0%
WIST8009	196	186	10	5.1%	41	39	2	4.9%	227	219	8	3.5%
WIST8010	89	84	5	5.6%	24	24		0.0%	117	114	3	2.6%
WIST8011	492	470	22	4.5%	97	95	2	2.1%	523	512	11	2.1%
WIST8012	153	146	7	4.6%	30	28	2	6.7%	169	158	11	6.5%
WIST8013	188	179	9	4.8%	41	35	6	14.6%	232	222	10	4.3%
WISTT001	370	355	15	4.1%	65	63	2	3.1%	353	340	13	3.7%
WISTT002	240	219	21	8.8%	71	65	6	8.5%	219	205	14	6.4%
WISTT003	529	488	41	7.8%	172	161	11	6.4%	574	546	28	4.9%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2004				2005				2006			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail \$
WISTT005	354	324	30	8.5%	70	66	4	5.7%	387	371	16	4.1%
WISTT006	405	385	20	4.9%	73	72	1	1.4%	382	361	21	5.5%
Grand Total	72854	68547	4307	5.9%	17717	16686	1031	5.8%	77436	74232	3204	4.1%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2007				2008				2009			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST1002	73	70	3	4.1%	182	175	7	3.8%	42	42		0.0%
WIST1003	25	24	1	4.0%	159	157	2	1.3%	24	24		0.0%
WIST1006				#DIV/0!	1	1		0.0%				#DIV/0!
WIST1012	25	24	1	4.0%	115	113	2	1.7%	12	12		0.0%
WIST1013	61	59	2	3.3%	354	348	6	1.7%	40	39	1	2.5%
WIST1014	119	111	8	6.7%	409	405	4	1.0%	55	54	1	1.8%
WIST1015	244	238	6	2.5%	1270	1243	27	2.1%	168	166	2	1.2%
WIST1016	24	23	1	4.2%	70	66	4	5.7%	13	13		0.0%
WIST1017	41	39	2	4.9%	117	114	3	2.6%	33	30	3	9.1%
WIST2001	223	217	6	2.7%	824	807	17	2.1%	123	122	1	0.8%
WIST2003	62	60	2	3.2%	325	317	8	2.5%	37	35	2	5.4%
WIST2014	72	67	5	6.9%	236	233	3	1.3%	42	41	1	2.4%
WIST2015	77	77		0.0%	453	441	12	2.6%	63	63		0.0%
WIST2016	70	70		0.0%	222	216	6	2.7%	31	30	1	3.2%
WIST2017	51	50	1	2.0%	375	363	12	3.2%	49	49		0.0%
WIST2018	97	96	1	1.0%	490	477	13	2.7%	71	69	2	2.8%
WIST2019	12	12		0.0%	103	99	4	3.9%	20	20		0.0%
WIST2020	177	169	8	4.5%	1152	1128	24	2.1%	129	128	1	0.8%
WIST2021	24	24		0.0%	115	112	3	2.6%	14	14		0.0%
WIST2023	4	4		0.0%	15	15		0.0%	1	1		0.0%
WIST2024	19	18	1	5.3%	67	64	3	4.5%	5	5		0.0%
WIST3003	40	39	1	2.5%	178	174	4	2.2%	31	30	1	3.2%
WIST3004	6	5	1	16.7%	6	6		0.0%	3	3		0.0%
WIST3005	75	74	1	1.3%	482	477	5	1.0%	50	50		0.0%
WIST3006	38	38		0.0%	211	207	4	1.9%	18	18		0.0%
WIST3013	144	138	6	4.2%	571	552	19	3.3%	92	88	4	4.3%
WIST3014	59	57	2	3.4%	165	158	7	4.2%	24	24		0.0%
WIST3016	134	125	9	6.7%	500	485	15	3.0%	61	60	1	1.6%
WIST3017	103	95	8	7.8%	449	435	14	3.1%	58	52	6	10.3%
WIST3018	75	72	3	4.0%	146	142	4	2.7%	30	27	3	10.0%
WIST3019	20	20		0.0%	78	74	4	5.1%	16	15	1	6.3%
WIST3020	26	25	1	3.8%	187	185	2	1.1%	14	14		0.0%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2007				2008				2009			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST3021	17	17		0.0%	71	69	2	2.8%	10	10		0.0%
WIST3022	8	8		0.0%	27	26	1	3.7%				#DIV/0!
WIST3023	13	12	1	7.7%	105	102	3	2.9%	26	26		0.0%
WIST3024	2	2		0.0%	3	3		0.0%	2	2		0.0%
WIST4002	28	28		0.0%	178	177	1	0.6%	17	17		0.0%
WIST4003	103	99	4	3.9%	485	474	11	2.3%	61	60	1	1.6%
WIST4004	76	72	4	5.3%	458	447	11	2.4%	52	52		0.0%
WIST4006	178	174	4	2.2%	1077	1055	22	2.0%	125	124	1	0.8%
WIST4009	38	38		0.0%	269	263	6	2.2%	34	33	1	2.9%
WIST4011	1	1		0.0%	3	3		0.0%	1	1		0.0%
WIST4014	21	20	1	4.8%	116	114	2	1.7%	15	14	1	6.7%
WIST4017	80	77	3	3.8%	569	559	10	1.8%	59	57	2	3.4%
WIST4019	39	39		0.0%	176	173	3	1.7%	20	20		0.0%
WIST4024	27	27		0.0%	264	258	6	2.3%	8	8		0.0%
WIST4026	40	40		0.0%	276	270	6	2.2%	41	40	1	2.4%
WIST4031	89	87	2	2.2%	327	313	14	4.3%	50	50		0.0%
WIST4032	179	165	14	7.8%	469	436	33	7.0%	98	94	4	4.1%
WIST4039	29	29		0.0%	157	154	3	1.9%	16	16		0.0%
WIST4040	47	46	1	2.1%	306	301	5	1.6%	38	38		0.0%
WIST4042	137	132	5	3.6%	431	422	9	2.1%	75	75		0.0%
WIST4043	286	279	7	2.4%	821	794	27	3.3%	168	161	7	4.2%
WIST4044	178	165	13	7.3%	686	657	29	4.2%	121	119	2	1.7%
WIST4045	61	60	1	1.6%	278	267	11	4.0%	25	24	1	4.0%
WIST4046	108	106	2	1.9%	317	312	5	1.6%	44	44		0.0%
WIST4047	70	68	2	2.9%	129	122	7	5.4%	40	39	1	2.5%
WIST4048	68	67	1	1.5%	349	341	8	2.3%	52	51	1	1.9%
WIST4049	27	26	1	3.7%	119	116	3	2.5%	17	17		0.0%
WIST4050	55	52	3	5.5%	371	367	4	1.1%	55	55		0.0%
WIST4051	69	68	1	1.4%	338	333	5	1.5%	29	29		0.0%
WIST4052	5	4	1	20.0%	15	13	2	13.3%	2	2		0.0%
WIST4053				#DIV/0!				#DIV/0!	1	1		0.0%
WIST4054	13	12	1	7.7%	58	53	5	8.6%	13	13		0.0%

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Stations	2007				2008				2009			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST5003	77	75	2	2.6%	325	318	7	2.2%	56	56		0.0%
WIST5004	67	64	3	4.5%	389	384	5	1.3%	35	35		0.0%
WIST5005	45	44	1	2.2%	199	197	2	1.0%	26	26		0.0%
WIST5007	16	16		0.0%	118	116	2	1.7%	14	14		0.0%
WIST5008	188	183	5	2.7%	1028	1004	24	2.3%	131	129	2	1.5%
WIST5009	34	34		0.0%	246	240	6	2.4%	31	31		0.0%
WIST5011	64	63	1	1.6%	437	430	7	1.6%	37	37		0.0%
WIST5012	63	63		0.0%	381	381		0.0%	46	45	1	2.2%
WIST5014	176	173	3	1.7%	1097	1077	20	1.8%	145	143	2	1.4%
WIST5015	74	74		0.0%	326	309	17	5.2%	36	33	3	8.3%
WIST5017	47	46	1	2.1%	219	212	7	3.2%	24	23	1	4.2%
WIST5021	28	27	1	3.6%	122	120	2	1.6%	16	16		0.0%
WIST5023	34	34		0.0%	95	93	2	2.1%	15	15		0.0%
WIST5028	30	29	1	3.3%	133	130	3	2.3%	18	18		0.0%
WIST5029	264	254	10	3.8%	1241	1213	28	2.3%	160	156	4	2.5%
WIST5036	36	36		0.0%	98	93	5	5.1%	21	20	1	4.8%
WIST5037	40	40		0.0%	221	216	5	2.3%	32	32		0.0%
WIST5040	25	25		0.0%	158	152	6	3.8%	17	17		0.0%
WIST5041	26	25	1	3.8%	220	217	3	1.4%	23	22	1	4.3%
WIST5044	25	25		0.0%	120	117	3	2.5%	20	20		0.0%
WIST5045	20	20		0.0%	70	69	1	1.4%	6	6		0.0%
WIST5047	16	15	1	6.3%	99	95	4	4.0%	22	22		0.0%
WIST5049	80	77	3	3.8%	415	406	9	2.2%	52	50	2	3.8%
WIST5052				#DIV/0!	14	14		0.0%				#DIV/0!
WIST5053	27	27		0.0%	133	132	1	0.8%	8	8		0.0%
WIST5055	135	132	3	2.2%	624	606	18	2.9%	111	108	3	2.7%
WIST5056	38	35	3	7.9%	89	85	4	4.5%	12	11	1	8.3%
WIST5058	40	39	1	2.5%	170	165	5	2.9%	31	30	1	3.2%
WIST5061	36	35	1	2.8%	228	223	5	2.2%	14	14		0.0%
WIST5066	91	86	5	5.5%	427	421	6	1.4%	54	53	1	1.9%
WIST5069	341	327	14	4.1%	729	704	25	3.4%	169	160	9	5.3%
WIST5070	66	62	4	6.1%	244	236	8	3.3%	43	43		0.0%

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Stations	2007				2008				2009			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST5071	134	130	4	3.0%	522	513	9	1.7%	74	73	1	1.4%
WIST5072	28	26	2	7.1%	86	86		0.0%	19	18	1	5.3%
WIST5073	134	125	9	6.7%	434	419	15	3.5%	69	68	1	1.4%
WIST5074	38	36	2	5.3%	129	127	2	1.6%	27	26	1	3.7%
WIST6001	221	211	10	4.5%	902	873	29	3.2%	127	126	1	0.8%
WIST6004	128	125	3	2.3%	757	739	18	2.4%	96	95	1	1.0%
WIST6007	26	26		0.0%	129	129		0.0%	18	18		0.0%
WIST6012	20	19	1	5.0%	124	122	2	1.6%	26	24	2	7.7%
WIST6013	57	55	2	3.5%	309	304	5	1.6%	40	40		0.0%
WIST6014	24	23	1	4.2%	150	146	4	2.7%	15	14	1	6.7%
WIST6016	79	78	1	1.3%	415	404	11	2.7%	40	40		0.0%
WIST6018	132	128	4	3.0%	590	576	14	2.4%	76	73	3	3.9%
WIST6021	35	35		0.0%	221	217	4	1.8%	21	20	1	4.8%
WIST6022	86	85	1	1.2%	517	509	8	1.5%	84	84		0.0%
WIST6026	21	21		0.0%	119	117	2	1.7%	18	18		0.0%
WIST6027	108	102	6	5.6%	570	556	14	2.5%	66	65	1	1.5%
WIST6028	24	23	1	4.2%	28	27	1	3.6%	4	4		0.0%
WIST6029	29	25	4	13.8%	160	152	8	5.0%	19	19		0.0%
WIST6030	74	71	3	4.1%	363	357	6	1.7%	43	41	2	4.7%
WIST6031	14	14		0.0%	75	73	2	2.7%	6	6		0.0%
WIST6033	17	16	1	5.9%	77	76	1	1.3%	14	13	1	7.1%
WIST6034	17	16	1	5.9%	92	90	2	2.2%	9	9		0.0%
WIST6035	24	20	4	16.7%	92	90	2	2.2%	13	12	1	7.7%
WIST6036	5	5		0.0%	22	22		0.0%	8	8		0.0%
WIST6037	55	54	1	1.8%	101	97	4	4.0%	24	24		0.0%
WIST6038	22	22		0.0%	69	69		0.0%	19	19		0.0%
WIST6039	7	6	1	14.3%	62	59	3	4.8%	16	16		0.0%
WIST6040	52	49	3	5.8%	137	133	4	2.9%	31	31		0.0%
WIST7003	188	180	8	4.3%	941	913	28	3.0%	132	131	1	0.8%
WIST7004	98	95	3	3.1%	503	479	24	4.8%	62	62		0.0%
WIST7006	32	30	2	6.3%	183	182	1	0.5%	16	15	1	6.3%
WIST7007	20	20		0.0%	156	155	1	0.6%	23	23		0.0%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2007				2008				2009			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7009	105	102	3	2.9%	438	428	10	2.3%	76	75	1	1.3%
WIST7011	95	94	1	1.1%	375	365	10	2.7%	66	64	2	3.0%
WIST7014	155	152	3	1.9%	779	758	21	2.7%	94	92	2	2.1%
WIST7015	46	44	2	4.3%	348	341	7	2.0%	41	38	3	7.3%
WIST7016	188	178	10	5.3%	1124	1082	42	3.7%	103	100	3	2.9%
WIST7017	121	116	5	4.1%	714	692	22	3.1%	71	70	1	1.4%
WIST7018	28	28		0.0%	171	169	2	1.2%	23	23		0.0%
WIST7019	22	22		0.0%	90	88	2	2.2%	9	9		0.0%
WIST7020	32	31	1	3.1%	155	154	1	0.6%	9	9		0.0%
WIST7021	38	37	1	2.6%	139	135	4	2.9%	25	24	1	4.0%
WIST7022	68	67	1	1.5%	533	518	15	2.8%	47	47		0.0%
WIST7023	56	54	2	3.6%	330	320	10	3.0%	65	63	2	3.1%
WIST7024	46	44	2	4.3%	181	179	2	1.1%	24	24		0.0%
WIST7025	30	30		0.0%	181	178	3	1.7%	23	22	1	4.3%
WIST7027	41	36	5	12.2%	105	101	4	3.8%	25	24	1	4.0%
WIST7030	169	163	6	3.6%	765	743	22	2.9%	99	94	5	5.1%
WIST7031	34	34		0.0%	239	230	9	3.8%	29	29		0.0%
WIST7032	80	76	4	5.0%	178	172	6	3.4%	38	37	1	2.6%
WIST7033	118	112	6	5.1%	458	439	19	4.1%	68	67	1	1.5%
WIST7036	134	130	4	3.0%	478	466	12	2.5%	65	65		0.0%
WIST7039	43	42	1	2.3%	227	224	3	1.3%	15	15		0.0%
WIST7040	76	74	2	2.6%	467	455	12	2.6%	59	58	1	1.7%
WIST7041	108	104	4	3.7%	572	555	17	3.0%	72	71	1	1.4%
WIST7042	172	167	5	2.9%	975	953	22	2.3%	99	99		0.0%
WIST7044	95	87	8	8.4%	533	521	12	2.3%	61	61		0.0%
WIST7045	136	132	4	2.9%	781	762	19	2.4%	94	93	1	1.1%
WIST7046	83	79	4	4.8%	255	246	9	3.5%	39	38	1	2.6%
WIST7049	81	78	3	3.7%	433	424	9	2.1%	55	54	1	1.8%
WIST7052	189	177	12	6.3%	1107	1076	31	2.8%	148	143	5	3.4%
WIST7053	59	59		0.0%	259	252	7	2.7%	33	32	1	3.0%
WIST7054	21	21		0.0%	172	166	6	3.5%	19	19		0.0%
WIST7055	142	138	4	2.8%	579	564	15	2.6%	74	72	2	2.7%

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Stations	2007				2008				2009			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7056	99	96	3	3.0%	593	584	9	1.5%	62	61	1	1.6%
WIST7061	23	22	1	4.3%	155	151	4	2.6%	30	29	1	3.3%
WIST7062	81	77	4	4.9%	470	462	8	1.7%	35	35		0.0%
WIST7064	81	78	3	3.7%	587	581	6	1.0%	65	63	2	3.1%
WIST7065	135	128	7	5.2%	482	477	5	1.0%	79	77	2	2.5%
WIST7067	24	23	1	4.2%	203	196	7	3.4%	23	22	1	4.3%
WIST7068	60	60		0.0%	416	410	6	1.4%	50	48	2	4.0%
WIST7069	157	155	2	1.3%	807	792	15	1.9%	118	118		0.0%
WIST7070	49	46	3	6.1%	329	324	5	1.5%	31	30	1	3.2%
WIST7071	99	98	1	1.0%	501	496	5	1.0%	63	59	4	6.3%
WIST7072	102	98	4	3.9%	511	492	19	3.7%	60	60		0.0%
WIST7073	115	107	8	7.0%	456	441	15	3.3%	81	81		0.0%
WIST7074	355	342	13	3.7%	793	770	23	2.9%	170	165	5	2.9%
WIST7075	63	60	3	4.8%	422	414	8	1.9%	27	27		0.0%
WIST7076	169	165	4	2.4%	932	909	23	2.5%	116	114	2	1.7%
WIST7078	79	78	1	1.3%	454	451	3	0.7%	65	64	1	1.5%
WIST7079	96	86	10	10.4%	238	223	15	6.3%	41	40	1	2.4%
WIST7080	103	102	1	1.0%	586	578	8	1.4%	67	66	1	1.5%
WIST7081	169	162	7	4.1%	687	666	21	3.1%	115	112	3	2.6%
WIST7083	236	232	4	1.7%	1434	1409	25	1.7%	170	167	3	1.8%
WIST7086	27	26	1	3.7%	153	149	4	2.6%	34	33	1	2.9%
WIST7088	28	27	1	3.6%	114	111	3	2.6%	21	21		0.0%
WIST7090	41	40	1	2.4%	190	188	2	1.1%	28	27	1	3.6%
WIST7092	38	36	2	5.3%	234	230	4	1.7%	32	32		0.0%
WIST7093	72	69	3	4.2%	480	467	13	2.7%	58	58		0.0%
WIST7094	83	81	2	2.4%	635	623	12	1.9%	63	62	1	1.6%
WIST7095	30	30		0.0%	189	187	2	1.1%	20	20		0.0%
WIST7098	98	95	3	3.1%	622	613	9	1.4%	77	75	2	2.6%
WIST7103	88	84	4	4.5%	487	480	7	1.4%	61	60	1	1.6%
WIST7104	22	19	3	13.6%	74	70	4	5.4%	21	19	2	9.5%
WIST7106	125	122	3	2.4%	792	788	4	0.5%	99	98	1	1.0%
WIST7108	176	174	2	1.1%	993	976	17	1.7%	123	121	2	1.6%

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Stations	2007				2008				2009			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7109	144	137	7	4.9%	683	669	14	2.0%	79	75	4	5.1%
WIST7111	198	189	9	4.5%	525	514	11	2.1%	118	111	7	5.9%
WIST7112	99	94	5	5.1%	467	457	10	2.1%	60	57	3	5.0%
WIST7113	83	78	5	6.0%	427	415	12	2.8%	57	56	1	1.8%
WIST7115	11	11		0.0%	25	25		0.0%	2	2		0.0%
WIST7116	125	124	1	0.8%	677	663	14	2.1%	90	88	2	2.2%
WIST7117	192	188	4	2.1%	676	662	14	2.1%	110	109	1	0.9%
WIST7118	61	59	2	3.3%	230	219	11	4.8%	40	40		0.0%
WIST7119	62	58	4	6.5%	339	330	9	2.7%	59	57	2	3.4%
WIST7120	44	39	5	11.4%	97	90	7	7.2%	33	32	1	3.0%
WIST7121	70	69	1	1.4%	377	373	4	1.1%	55	54	1	1.8%
WIST7122	23	22	1	4.3%	196	191	5	2.6%	24	24		0.0%
WIST7123	32	32		0.0%	166	161	5	3.0%	19	19		0.0%
WIST7124	42	41	1	2.4%	124	120	4	3.2%	20	20		0.0%
WIST7125	15	13	2	13.3%	48	46	2	4.2%	10	10		0.0%
WIST7126	13	12	1	7.7%	43	42	1	2.3%	11	11		0.0%
WIST7127	64	60	4	6.3%	187	178	9	4.8%	40	40		0.0%
WIST8001	27	27		0.0%	245	239	6	2.4%	35	35		0.0%
WIST8002	160	156	4	2.5%	771	761	10	1.3%	87	86	1	1.1%
WIST8004	264	254	10	3.8%	487	466	21	4.3%	103	101	2	1.9%
WIST8005	149	142	7	4.7%	512	498	14	2.7%	100	96	4	4.0%
WIST8006	303	290	13	4.3%	1334	1290	44	3.3%	233	225	8	3.4%
WIST8007	124	118	6	4.8%	545	532	13	2.4%	96	93	3	3.1%
WIST8008	84	79	5	6.0%	194	188	6	3.1%	37	35	2	5.4%
WIST8009	40	35	5	12.5%	214	214		0.0%	25	25		0.0%
WIST8010	28	27	1	3.6%	124	121	3	2.4%	10	10		0.0%
WIST8011	119	116	3	2.5%	593	581	12	2.0%	87	87		0.0%
WIST8012	32	32		0.0%	174	166	8	4.6%	17	17		0.0%
WIST8013	55	52	3	5.5%	244	235	9	3.7%	27	27		0.0%
WISTT001	87	82	5	5.7%	485	477	8	1.6%	52	52		0.0%
WISTT002	54	52	2	3.7%	182	172	10	5.5%	34	34		0.0%
WISTT003	156	148	8	5.1%	473	454	19	4.0%	76	73	3	3.9%

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Stations	2007				2008				2009			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WISTT005	85	80	5	5.9%	457	443	14	3.1%	46	45	1	2.2%
WISTT006	116	113	3	2.6%	393	385	8	2.0%	46	46		0.0%
Grand Total	17605	16971	634	3.6%	81599	79610	1989	2.4%	11175	10945	230	2.1%

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Stations	2010				2011				2012			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST1002	114	114		0.0%	10	9	1	10.0%	102	102		0.0%
WIST1003	124	124		0.0%	10	10		0.0%	126	125	1	0.8%
WIST1006				#DIV/0!				#DIV/0!				#DIV/0!
WIST1012	76	75	1	1.3%	4	3	1	25.0%	104	103	1	1.0%
WIST1013	325	322	3	0.9%	23	23		0.0%	342	340	2	0.6%
WIST1014	314	310	4	1.3%	26	26		0.0%	363	359	4	1.1%
WIST1015	1035	1029	6	0.6%	86	85	1	1.2%	1223	1219	4	0.3%
WIST1016	50	49	1	2.0%	5	5		0.0%	58	58		0.0%
WIST1017	122	118	4	3.3%	18	18		0.0%	125	123	2	1.6%
WIST2001	667	660	7	1.0%	82	78	4	4.9%	716	712	4	0.6%
WIST2003	266	263	3	1.1%	23	23		0.0%	358	355	3	0.8%
WIST2014	164	159	5	3.0%	16	15	1	6.3%	131	130	1	0.8%
WIST2015	420	416	4	1.0%	37	37		0.0%	444	442	2	0.5%
WIST2016	160	155	5	3.1%	19	19		0.0%	138	137	1	0.7%
WIST2017	289	287	2	0.7%	33	32	1	3.0%	414	414		0.0%
WIST2018	457	451	6	1.3%	44	43	1	2.3%	455	454	1	0.2%
WIST2019	95	93	2	2.1%	7	7		0.0%	92	92		0.0%
WIST2020	954	945	9	0.9%	97	97		0.0%	1331	1320	11	0.8%
WIST2021	117	114	3	2.6%	6	6		0.0%	143	139	4	2.8%
WIST2023	11	11		0.0%	3	3		0.0%	11	11		0.0%
WIST2024	61	61		0.0%	9	8	1	11.1%	60	60		0.0%
WIST3003	118	114	4	3.4%	14	14		0.0%	176	173	3	1.7%
WIST3004	16	16		0.0%	3	3		0.0%	19	19		0.0%
WIST3005	461	461		0.0%	46	45	1	2.2%	441	436	5	1.1%
WIST3006	134	133	1	0.7%	14	13	1	7.1%	172	172		0.0%
WIST3013	407	403	4	1.0%	69	67	2	2.9%	462	457	5	1.1%
WIST3014	138	137	1	0.7%	13	11	2	15.4%	111	111		0.0%
WIST3016	366	360	6	1.6%	14	13	1	7.1%	424	420	4	0.9%
WIST3017	442	436	6	1.4%	37	37		0.0%	545	544	1	0.2%
WIST3018	102	97	5	4.9%	21	19	2	9.5%	129	126	3	2.3%
WIST3019	74	73	1	1.4%	12	12		0.0%	86	86		0.0%
WIST3020	169	167	2	1.2%	7	7		0.0%	261	259	2	0.8%

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Stations	2010				2011				2012			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST3021	59	58	1	1.7%	10	9	1	10.0%	73	72	1	1.4%
WIST3022	7	7		0.0%	16	16		0.0%	11	11		0.0%
WIST3023	134	132	2	1.5%	14	13	1	7.1%	183	183		0.0%
WIST3024	2	2		0.0%	1	1		0.0%				#DIV/0!
WIST4002	114	113	1	0.9%	15	14	1	6.7%	128	125	3	2.3%
WIST4003	397	392	5	1.3%	35	34	1	2.9%	449	447	2	0.4%
WIST4004	385	383	2	0.5%	24	23	1	4.2%	402	399	3	0.7%
WIST4006	852	845	7	0.8%	87	87		0.0%	897	896	1	0.1%
WIST4009	209	208	1	0.5%	13	13		0.0%	226	226		0.0%
WIST4011	1	1		0.0%				#DIV/0!	4	4		0.0%
WIST4014	96	96		0.0%	8	8		0.0%	94	94		0.0%
WIST4017	466	466		0.0%	28	28		0.0%	499	496	3	0.6%
WIST4019	116	114	2	1.7%	10	9	1	10.0%	109	109		0.0%
WIST4024	222	219	3	1.4%	11	9	2	18.2%	219	219		0.0%
WIST4026	252	247	5	2.0%	27	27		0.0%	324	322	2	0.6%
WIST4031	263	259	4	1.5%	23	23		0.0%	267	265	2	0.7%
WIST4032	294	286	8	2.7%	53	49	4	7.5%	284	279	5	1.8%
WIST4039	123	123		0.0%	11	11		0.0%	153	152	1	0.7%
WIST4040	323	318	5	1.5%	26	26		0.0%	308	307	1	0.3%
WIST4042	248	244	4	1.6%	34	32	2	5.9%	233	229	4	1.7%
WIST4043	602	598	4	0.7%	52	50	2	3.8%	521	520	1	0.2%
WIST4044	477	465	12	2.5%	46	45	1	2.2%	546	542	4	0.7%
WIST4045	210	208	2	1.0%	13	13		0.0%	263	263		0.0%
WIST4046	291	287	4	1.4%	24	23	1	4.2%	308	307	1	0.3%
WIST4047	76	72	4	5.3%	18	18		0.0%	71	71		0.0%
WIST4048	292	290	2	0.7%	23	23		0.0%	321	320	1	0.3%
WIST4049	118	117	1	0.8%	8	8		0.0%	109	108	1	0.9%
WIST4050	365	364	1	0.3%	40	40		0.0%	417	417		0.0%
WIST4051	235	230	5	2.1%	29	27	2	6.9%	259	258	1	0.4%
WIST4052	2	2		0.0%	2	2		0.0%	4	4		0.0%
WIST4053	3	3		0.0%	1	1		0.0%	2	2		0.0%
WIST4054	36	33	3	8.3%	4	4		0.0%	50	49	1	2.0%

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Stations	2010				2011				2012			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST5003	264	260	4	1.5%	28	25	3	10.7%	253	252	1	0.4%
WIST5004	342	341	1	0.3%	35	35		0.0%	305	305		0.0%
WIST5005	168	167	1	0.6%	13	13		0.0%	152	152		0.0%
WIST5007	93	91	2	2.2%	10	9	1	10.0%	98	96	2	2.0%
WIST5008	731	725	6	0.8%	50	50		0.0%	837	836	1	0.1%
WIST5009	226	226		0.0%	16	16		0.0%	205	204	1	0.5%
WIST5011	435	432	3	0.7%	33	32	1	3.0%	472	469	3	0.6%
WIST5012	377	373	4	1.1%	20	20		0.0%	348	348		0.0%
WIST5014	905	895	10	1.1%	84	84		0.0%	1132	1127	5	0.4%
WIST5015	188	186	2	1.1%	23	23		0.0%	201	200	1	0.5%
WIST5017	181	179	2	1.1%	11	10	1	9.1%	158	158		0.0%
WIST5021	111	110	1	0.9%	9	9		0.0%	120	119	1	0.8%
WIST5023	60	59	1	1.7%	7	7		0.0%	64	63	1	1.6%
WIST5028	125	125		0.0%	14	14		0.0%	142	142		0.0%
WIST5029	981	973	8	0.8%	88	87	1	1.1%	1226	1219	7	0.6%
WIST5036	72	71	1	1.4%	8	7	1	12.5%	93	93		0.0%
WIST5037	182	182		0.0%	12	11	1	8.3%	195	195		0.0%
WIST5040	116	115	1	0.9%	10	9	1	10.0%	128	128		0.0%
WIST5041	188	186	2	1.1%	16	16		0.0%	208	207	1	0.5%
WIST5044	125	125		0.0%	18	18		0.0%	181	180	1	0.6%
WIST5045	58	58		0.0%	12	12		0.0%	46	46		0.0%
WIST5047	77	77		0.0%	4	4		0.0%	99	99		0.0%
WIST5049	380	375	5	1.3%	30	27	3	10.0%	348	347	1	0.3%
WIST5052	13	13		0.0%	2	2		0.0%	10	10		0.0%
WIST5053	68	66	2	2.9%	8	7	1	12.5%	64	63	1	1.6%
WIST5055	488	483	5	1.0%	41	41		0.0%	468	465	3	0.6%
WIST5056	55	55		0.0%	8	8		0.0%	46	45	1	2.2%
WIST5058	132	129	3	2.3%	11	11		0.0%	121	120	1	0.8%
WIST5061	169	169		0.0%	8	8		0.0%	169	169		0.0%
WIST5066	290	284	6	2.1%	21	21		0.0%	289	285	4	1.4%
WIST5069	514	503	11	2.1%	64	62	2	3.1%	464	460	4	0.9%
WIST5070	222	220	2	0.9%	28	27	1	3.6%	221	220	1	0.5%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2010				2011				2012			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST5071	401	396	5	1.2%	34	33	1	2.9%	476	470	6	1.3%
WIST5072	68	67	1	1.5%	7	7		0.0%	64	64		0.0%
WIST5073	408	400	8	2.0%	30	28	2	6.7%	374	371	3	0.8%
WIST5074	103	100	3	2.9%	11	11		0.0%	98	98		0.0%
WIST6001	641	632	9	1.4%	42	42		0.0%	695	686	9	1.3%
WIST6004	640	635	5	0.8%	45	44	1	2.2%	680	679	1	0.1%
WIST6007	98	96	2	2.0%	8	8		0.0%	111	110	1	0.9%
WIST6012	103	103		0.0%	16	16		0.0%	89	89		0.0%
WIST6013	255	255		0.0%	12	10	2	16.7%	279	278	1	0.4%
WIST6014	116	115	1	0.9%	10	10		0.0%	107	107		0.0%
WIST6016	316	314	2	0.6%	24	23	1	4.2%	323	321	2	0.6%
WIST6018	498	492	6	1.2%	24	23	1	4.2%	463	458	5	1.1%
WIST6021	197	197		0.0%	16	16		0.0%	182	182		0.0%
WIST6022	442	437	5	1.1%	39	39		0.0%	498	496	2	0.4%
WIST6026	105	104	1	1.0%	9	9		0.0%	150	150		0.0%
WIST6027	550	541	9	1.6%	40	40		0.0%	710	704	6	0.8%
WIST6028	15	14	1	6.7%	3	3		0.0%	18	18		0.0%
WIST6029	127	125	2	1.6%	9	9		0.0%	138	138		0.0%
WIST6030	307	301	6	2.0%	30	30		0.0%	373	371	2	0.5%
WIST6031	68	66	2	2.9%	7	7		0.0%	96	96		0.0%
WIST6033	50	50		0.0%	9	9		0.0%	96	95	1	1.0%
WIST6034	93	93		0.0%	7	6	1	14.3%	130	128	2	1.5%
WIST6035	48	48		0.0%	4	4		0.0%	76	76		0.0%
WIST6036	21	21		0.0%	3	3		0.0%	30	30		0.0%
WIST6037	81	77	4	4.9%	8	8		0.0%	90	89	1	1.1%
WIST6038	73	71	2	2.7%	12	12		0.0%	66	66		0.0%
WIST6039	60	60		0.0%	8	8		0.0%	70	69	1	1.4%
WIST6040	82	80	2	2.4%	10	10		0.0%	75	72	3	4.0%
WIST7003	747	738	9	1.2%	72	69	3	4.2%	830	822	8	1.0%
WIST7004	408	405	3	0.7%	37	36	1	2.7%	393	391	2	0.5%
WIST7006	120	120		0.0%	13	13		0.0%	188	187	1	0.5%
WIST7007	142	139	3	2.1%	7	7		0.0%	154	154		0.0%

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Stations	2010				2011				2012			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7009	316	314	2	0.6%	41	41		0.0%	392	391	1	0.3%
WIST7011	267	260	7	2.6%	26	25	1	3.8%	343	342	1	0.3%
WIST7014	599	593	6	1.0%	50	50		0.0%	624	620	4	0.6%
WIST7015	277	272	5	1.8%	25	22	3	12.0%	249	249		0.0%
WIST7016	935	927	8	0.9%	87	87		0.0%	999	991	8	0.8%
WIST7017	580	572	8	1.4%	42	40	2	4.8%	613	609	4	0.7%
WIST7018	137	137		0.0%	14	13	1	7.1%	238	238		0.0%
WIST7019	62	62		0.0%	5	5		0.0%	76	76		0.0%
WIST7020	119	116	3	2.5%	7	7		0.0%	139	135	4	2.9%
WIST7021	102	101	1	1.0%	11	11		0.0%	97	97		0.0%
WIST7022	403	402	1	0.2%	34	33	1	2.9%	487	483	4	0.8%
WIST7023	281	278	3	1.1%	19	19		0.0%	205	204	1	0.5%
WIST7024	154	153	1	0.6%	9	9		0.0%	172	171	1	0.6%
WIST7025	139	135	4	2.9%	10	9	1	10.0%	118	118		0.0%
WIST7027	73	68	5	6.8%	7	7		0.0%	48	48		0.0%
WIST7030	638	628	10	1.6%	43	42	1	2.3%	654	646	8	1.2%
WIST7031	242	238	4	1.7%	17	16	1	5.9%	255	253	2	0.8%
WIST7032	157	151	6	3.8%	14	14		0.0%	143	141	2	1.4%
WIST7033	383	376	7	1.8%	23	23		0.0%	332	331	1	0.3%
WIST7036	323	322	1	0.3%	26	26		0.0%	364	363	1	0.3%
WIST7039	197	195	2	1.0%	23	22	1	4.3%	185	185		0.0%
WIST7040	378	373	5	1.3%	30	29	1	3.3%	404	401	3	0.7%
WIST7041	487	481	6	1.2%	35	35		0.0%	496	494	2	0.4%
WIST7042	772	765	7	0.9%	66	66		0.0%	872	869	3	0.3%
WIST7044	445	443	2	0.4%	26	25	1	3.8%	477	475	2	0.4%
WIST7045	629	623	6	1.0%	60	60		0.0%	661	656	5	0.8%
WIST7046	138	135	3	2.2%	21	21		0.0%	130	130		0.0%
WIST7049	403	400	3	0.7%	24	24		0.0%	429	427	2	0.5%
WIST7052	907	898	9	1.0%	72	72		0.0%	993	986	7	0.7%
WIST7053	170	167	3	1.8%	27	27		0.0%	211	209	2	0.9%
WIST7054	111	110	1	0.9%	4	4		0.0%	115	115		0.0%
WIST7055	512	507	5	1.0%	30	29	1	3.3%	507	506	1	0.2%

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Stations	2010				2011				2012			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7056	420	418	2	0.5%	24	23	1	4.2%	421	420	1	0.2%
WIST7061	123	120	3	2.4%	9	9		0.0%	128	128		0.0%
WIST7062	368	367	1	0.3%	24	24		0.0%	372	370	2	0.5%
WIST7064	550	544	6	1.1%	45	44	1	2.2%	568	561	7	1.2%
WIST7065	384	376	8	2.1%	26	26		0.0%	359	357	2	0.6%
WIST7067	178	174	4	2.2%	12	12		0.0%	203	203		0.0%
WIST7068	344	343	1	0.3%	31	31		0.0%	346	344	2	0.6%
WIST7069	693	690	3	0.4%	82	81	1	1.2%	666	661	5	0.8%
WIST7070	252	251	1	0.4%	30	30		0.0%	292	292		0.0%
WIST7071	382	380	2	0.5%	27	27		0.0%	452	450	2	0.4%
WIST7072	363	359	4	1.1%	23	23		0.0%	457	453	4	0.9%
WIST7073	329	320	9	2.7%	34	32	2	5.9%	407	404	3	0.7%
WIST7074	466	460	6	1.3%	34	34		0.0%	352	347	5	1.4%
WIST7075	343	342	1	0.3%	27	25	2	7.4%	357	355	2	0.6%
WIST7076	832	826	6	0.7%	52	52		0.0%	898	898		0.0%
WIST7078	497	495	2	0.4%	36	35	1	2.8%	500	496	4	0.8%
WIST7079	159	153	6	3.8%	17	17		0.0%	139	137	2	1.4%
WIST7080	452	447	5	1.1%	40	38	2	5.0%	585	584	1	0.2%
WIST7081	546	543	3	0.5%	57	54	3	5.3%	443	438	5	1.1%
WIST7083	1039	1030	9	0.9%	80	79	1	1.3%	1250	1246	4	0.3%
WIST7086	116	114	2	1.7%	22	22		0.0%	149	149		0.0%
WIST7088	74	73	1	1.4%	16	14	2	12.5%	87	87		0.0%
WIST7090	171	170	1	0.6%	13	11	2	15.4%	176	176		0.0%
WIST7092	205	205		0.0%	17	17		0.0%	244	244		0.0%
WIST7093	410	407	3	0.7%	28	28		0.0%	354	352	2	0.6%
WIST7094	487	481	6	1.2%	36	36		0.0%	584	581	3	0.5%
WIST7095	146	145	1	0.7%	19	19		0.0%	175	174	1	0.6%
WIST7098	551	547	4	0.7%	32	30	2	6.3%	504	502	2	0.4%
WIST7103	340	338	2	0.6%	23	23		0.0%	378	374	4	1.1%
WIST7104	55	54	1	1.8%	11	11		0.0%	38	37	1	2.6%
WIST7106	849	848	1	0.1%	58	57	1	1.7%	774	772	2	0.3%
WIST7108	723	715	8	1.1%	57	57		0.0%	743	737	6	0.8%

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Stations	2010				2011				2012			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7109	515	508	7	1.4%	37	35	2	5.4%	479	478	1	0.2%
WIST7111	359	352	7	1.9%	25	20	5	20.0%	292	289	3	1.0%
WIST7112	293	289	4	1.4%	25	24	1	4.0%	316	312	4	1.3%
WIST7113	366	361	5	1.4%	32	32		0.0%	422	422		0.0%
WIST7115	26	25	1	3.8%	6	6		0.0%	52	52		0.0%
WIST7116	604	599	5	0.8%	53	52	1	1.9%	746	744	2	0.3%
WIST7117	575	569	6	1.0%	33	32	1	3.0%	647	645	2	0.3%
WIST7118	206	206		0.0%	15	15		0.0%	211	210	1	0.5%
WIST7119	319	318	1	0.3%	32	32		0.0%	398	396	2	0.5%
WIST7120	92	91	1	1.1%	11	11		0.0%	72	71	1	1.4%
WIST7121	388	385	3	0.8%	28	28		0.0%	506	505	1	0.2%
WIST7122	176	172	4	2.3%	5	5		0.0%	193	192	1	0.5%
WIST7123	152	149	3	2.0%	20	20		0.0%	206	206		0.0%
WIST7124	117	116	1	0.9%	26	25	1	3.8%	139	139		0.0%
WIST7125	33	31	2	6.1%	1	1		0.0%	28	28		0.0%
WIST7126	36	36		0.0%	3	3		0.0%	36	36		0.0%
WIST7127	160	158	2	1.3%	23	23		0.0%	212	211	1	0.5%
WIST8001	187	182	5	2.7%	11	11		0.0%	197	195	2	1.0%
WIST8002	775	768	7	0.9%	58	58		0.0%	811	809	2	0.2%
WIST8004	272	270	2	0.7%	28	27	1	3.6%	178	172	6	3.4%
WIST8005	401	387	14	3.5%	38	37	1	2.6%	436	434	2	0.5%
WIST8006	1200	1185	15	1.3%	113	106	7	6.2%	1190	1179	11	0.9%
WIST8007	448	442	6	1.3%	43	42	1	2.3%	504	502	2	0.4%
WIST8008	143	140	3	2.1%	13	13		0.0%	122	120	2	1.6%
WIST8009	214	212	2	0.9%	16	16		0.0%	252	252		0.0%
WIST8010	85	85		0.0%	6	6		0.0%	78	78		0.0%
WIST8011	484	478	6	1.2%	36	34	2	5.6%	551	549	2	0.4%
WIST8012	143	140	3	2.1%	4	3	1	25.0%	151	151		0.0%
WIST8013	219	217	2	0.9%	13	13		0.0%	246	246		0.0%
WISTT001	371	367	4	1.1%	32	32		0.0%	434	433	1	0.2%
WISTT002	133	131	2	1.5%	11	11		0.0%	117	116	1	0.9%
WISTT003	363	359	4	1.1%	31	28	3	9.7%	372	370	2	0.5%

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Stations	2010				2011				2012			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WISTT005	381	373	8	2.1%	30	30		0.0%	409	403	6	1.5%
WISTT006	331	326	5	1.5%	19	19		0.0%	303	299	4	1.3%
Grand Total	65987	65244	743	1.1%	5709	5576	133	2.3%	71016	70613	403	0.6%

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Stations	2013				2014				2015			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST1002	7	6	1	14.3%	1	1		0.0%	1	1		0.0%
WIST1003	2	2		0.0%	1	1		0.0%	1	1		0.0%
WIST1006				#DIV/0!				#DIV/0!				#DIV/0!
WIST1012	7	7		0.0%	1	1		0.0%	1	1		0.0%
WIST1013	16	16		0.0%	3	3		0.0%	1	1		0.0%
WIST1014	12	12		0.0%				#DIV/0!	4	4		0.0%
WIST1015	61	61		0.0%	13	13		0.0%	4	4		0.0%
WIST1016	2	2		0.0%	2	2		0.0%				#DIV/0!
WIST1017	22	22		0.0%				#DIV/0!	2	2		0.0%
WIST2001	34	34		0.0%	6	5	1	16.7%	3	3		0.0%
WIST2003	13	13		0.0%	5	5		0.0%				#DIV/0!
WIST2014	4	4		0.0%	3	3		0.0%	1	1		0.0%
WIST2015	28	28		0.0%	12	12		0.0%	8	8		0.0%
WIST2016	4	4		0.0%	3	3		0.0%				#DIV/0!
WIST2017	14	14		0.0%	3	3		0.0%				#DIV/0!
WIST2018	26	26		0.0%	3	3		0.0%				#DIV/0!
WIST2019	3	3		0.0%	1	1		0.0%				#DIV/0!
WIST2020	63	61	2	3.2%	6	6		0.0%	1	1		0.0%
WIST2021	7	7		0.0%	1	1		0.0%				#DIV/0!
WIST2023	4	4		0.0%				#DIV/0!				#DIV/0!
WIST2024	5	5		0.0%	1	1		0.0%				#DIV/0!
WIST3003	3	3		0.0%	2	2		0.0%				#DIV/0!
WIST3004	1	1		0.0%				#DIV/0!				#DIV/0!
WIST3005	39	39		0.0%	6	6		0.0%	2	2		0.0%
WIST3006	11	11		0.0%				#DIV/0!				#DIV/0!
WIST3013	47	47		0.0%	15	15		0.0%	6	6		0.0%
WIST3014	8	8		0.0%				#DIV/0!				#DIV/0!
WIST3016	9	9		0.0%	5	5		0.0%	1	1		0.0%
WIST3017	10	10		0.0%	2	2		0.0%	1	1		0.0%
WIST3018	4	4		0.0%	3	3		0.0%	1	1		0.0%
WIST3019	7	7		0.0%				#DIV/0!	1	1		0.0%
WIST3020	8	7	1	12.5%				#DIV/0!	3	3		0.0%

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Stations	2013				2014				2015			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST3021	12	11	1	8.3%	3	3		0.0%	1	1		0.0%
WIST3022	5	5		0.0%	1	1		0.0%				#DIV/0!
WIST3023	16	16		0.0%	3	3		0.0%				#DIV/0!
WIST3024				#DIV/0!				#DIV/0!				#DIV/0!
WIST4002	9	9		0.0%	4	4		0.0%				#DIV/0!
WIST4003	8	8		0.0%	6	6		0.0%	1	1		0.0%
WIST4004	15	15		0.0%	4	4		0.0%	1	1		0.0%
WIST4006	57	56	1	1.8%	6	6		0.0%	2	2		0.0%
WIST4009	7	7		0.0%	1	1		0.0%	1	1		0.0%
WIST4011				#DIV/0!				#DIV/0!				#DIV/0!
WIST4014	4	4		0.0%				#DIV/0!	1	1		0.0%
WIST4017	10	10		0.0%	4	4		0.0%				#DIV/0!
WIST4019	2	2		0.0%	3	3		0.0%				#DIV/0!
WIST4024	5	5		0.0%				#DIV/0!				#DIV/0!
WIST4026	14	14		0.0%	6	6		0.0%	6	6		0.0%
WIST4031	9	9		0.0%	4	4		0.0%	1	1		0.0%
WIST4032	9	9		0.0%	7	7		0.0%	1	1		0.0%
WIST4039	10	10		0.0%				#DIV/0!				#DIV/0!
WIST4040	10	10		0.0%	3	3		0.0%				#DIV/0!
WIST4042	10	10		0.0%	7	7		0.0%	5	5		0.0%
WIST4043	24	24		0.0%	15	15		0.0%	1	1		0.0%
WIST4044	30	30		0.0%	7	7		0.0%	1	1		0.0%
WIST4045	7	7		0.0%	3	3		0.0%				#DIV/0!
WIST4046	3	3		0.0%	1	1		0.0%	2	2		0.0%
WIST4047	5	5		0.0%	2	2		0.0%				#DIV/0!
WIST4048	11	11		0.0%	4	4		0.0%	1	1		0.0%
WIST4049	8	8		0.0%				#DIV/0!				#DIV/0!
WIST4050	16	16		0.0%	4	4		0.0%	2	2		0.0%
WIST4051	8	8		0.0%	3	3		0.0%	1	1		0.0%
WIST4052				#DIV/0!				#DIV/0!				#DIV/0!
WIST4053	1	1		0.0%				#DIV/0!	1	1		0.0%
WIST4054	8	8		0.0%	2	2		0.0%				#DIV/0!

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Stations	2013				2014				2015			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST5003	15	15		0.0%	10	10		0.0%	1	1		0.0%
WIST5004	8	8		0.0%	2	2		0.0%	2	2		0.0%
WIST5005	2	2		0.0%	2	2		0.0%				#DIV/0!
WIST5007	4	4		0.0%	1	1		0.0%				#DIV/0!
WIST5008	30	30		0.0%	3	3		0.0%	1	1		0.0%
WIST5009	8	8		0.0%	2	2		0.0%				#DIV/0!
WIST5011	20	20		0.0%	2	2		0.0%				#DIV/0!
WIST5012	20	20		0.0%	7	7		0.0%	2	2		0.0%
WIST5014	39	39		0.0%	9	9		0.0%	3	3		0.0%
WIST5015	13	13		0.0%				#DIV/0!				#DIV/0!
WIST5017	12	12		0.0%	1	1		0.0%	2	2		0.0%
WIST5021	4	4		0.0%				#DIV/0!				#DIV/0!
WIST5023	4	4		0.0%	4	4		0.0%	1	1		0.0%
WIST5028	20	20		0.0%	2	2		0.0%				#DIV/0!
WIST5029	52	52		0.0%	12	12		0.0%	12	12		0.0%
WIST5036	2	2		0.0%	1	1		0.0%	1	1		0.0%
WIST5037	9	9		0.0%				#DIV/0!	1	1		0.0%
WIST5040	7	7		0.0%	1	1		0.0%				#DIV/0!
WIST5041	7	7		0.0%	1	1		0.0%	2	2		0.0%
WIST5044	15	15		0.0%	4	4		0.0%	1	1		0.0%
WIST5045	4	4		0.0%				#DIV/0!	1	1		0.0%
WIST5047	3	3		0.0%				#DIV/0!				#DIV/0!
WIST5049	15	15		0.0%	3	3		0.0%	1	1		0.0%
WIST5052	1	1		0.0%				#DIV/0!				#DIV/0!
WIST5053	6	6		0.0%				#DIV/0!				#DIV/0!
WIST5055	26	26		0.0%	5	5		0.0%	4	4		0.0%
WIST5056	2	2		0.0%	1	1		0.0%				#DIV/0!
WIST5058	6	6		0.0%	1	1		0.0%	1	1		0.0%
WIST5061	4	4		0.0%	1	1		0.0%				#DIV/0!
WIST5066	10	10		0.0%	9	9		0.0%	3	3		0.0%
WIST5069	22	22		0.0%	18	18		0.0%	4	4		0.0%
WIST5070	7	7		0.0%	4	4		0.0%	2	2		0.0%

Appendix 2

Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2013				2014				2015			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST5071	32	31	1	3.1%	6	6		0.0%	1	1		0.0%
WIST5072	3	3		0.0%				#DIV/0!				#DIV/0!
WIST5073	8	7	1	12.5%	5	4	1	20.0%	2	2		0.0%
WIST5074	5	5		0.0%	3	3		0.0%				#DIV/0!
WIST6001	26	26		0.0%	7	7		0.0%	4	4		0.0%
WIST6004	34	34		0.0%	2	2		0.0%	1	1		0.0%
WIST6007	3	3		0.0%				#DIV/0!				#DIV/0!
WIST6012	3	3		0.0%	3	3		0.0%				#DIV/0!
WIST6013	13	13		0.0%	2	2		0.0%	1	1		0.0%
WIST6014	6	6		0.0%	2	2		0.0%				#DIV/0!
WIST6016	16	16		0.0%	1	1		0.0%				#DIV/0!
WIST6018	20	20		0.0%	5	5		0.0%	3	3		0.0%
WIST6021	13	13		0.0%				#DIV/0!	2	2		0.0%
WIST6022	14	14		0.0%	3	3		0.0%	1	1		0.0%
WIST6026	6	6		0.0%	1	1		0.0%				#DIV/0!
WIST6027	4	4		0.0%	3	3		0.0%	1	1		0.0%
WIST6028				#DIV/0!				#DIV/0!				#DIV/0!
WIST6029	3	3		0.0%				#DIV/0!	2	2		0.0%
WIST6030	24	24		0.0%	4	4		0.0%				#DIV/0!
WIST6031	6	6		0.0%	4	4		0.0%				#DIV/0!
WIST6033	10	10		0.0%	1	1		0.0%				#DIV/0!
WIST6034	16	16		0.0%				#DIV/0!	3	3		0.0%
WIST6035	10	10		0.0%	1	1		0.0%	3	3		0.0%
WIST6036	2	2		0.0%	1	1		0.0%				#DIV/0!
WIST6037	15	13	2	13.3%				#DIV/0!	2	2		0.0%
WIST6038	15	15		0.0%	1	1		0.0%	1	1		0.0%
WIST6039	6	6		0.0%	2	2		0.0%				#DIV/0!
WIST6040	8	8		0.0%	2	2		0.0%				#DIV/0!
WIST7003	42	42		0.0%	8	8		0.0%	1	1		0.0%
WIST7004	18	18		0.0%	5	5		0.0%	4	4		0.0%
WIST7006	2	2		0.0%	4	4		0.0%				#DIV/0!
WIST7007	3	3		0.0%				#DIV/0!	2	2		0.0%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2013				2014				2015			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7009	20	19	1	5.0%	5	5		0.0%	2	2		0.0%
WIST7011	16	16		0.0%	5	5		0.0%				#DIV/0!
WIST7014	21	21		0.0%	6	5	1	16.7%				#DIV/0!
WIST7015	17	16	1	5.9%	8	8		0.0%	2	2		0.0%
WIST7016	56	56		0.0%	9	9		0.0%				#DIV/0!
WIST7017	17	17		0.0%	1	1		0.0%	2	2		0.0%
WIST7018	15	15		0.0%	7	7		0.0%	3	3		0.0%
WIST7019				#DIV/0!	1	1		0.0%	1	1		0.0%
WIST7020	7	7		0.0%				#DIV/0!				#DIV/0!
WIST7021	6	6		0.0%				#DIV/0!				#DIV/0!
WIST7022	16	16		0.0%	6	6		0.0%	2	2		0.0%
WIST7023	7	7		0.0%	3	3		0.0%	2	2		0.0%
WIST7024	3	3		0.0%	2	2		0.0%				#DIV/0!
WIST7025	4	4		0.0%	2	2		0.0%				#DIV/0!
WIST7027	6	6		0.0%	3	3		0.0%	1	1		0.0%
WIST7030	29	29		0.0%	4	4		0.0%	4	4		0.0%
WIST7031	8	8		0.0%				#DIV/0!				#DIV/0!
WIST7032	3	3		0.0%	2	2		0.0%				#DIV/0!
WIST7033	12	11	1	8.3%	3	3		0.0%				#DIV/0!
WIST7036	14	14		0.0%	8	8		0.0%				#DIV/0!
WIST7039	15	15		0.0%	1	1		0.0%	1	1		0.0%
WIST7040	19	19		0.0%				#DIV/0!	2	2		0.0%
WIST7041	22	22		0.0%	1	1		0.0%	1	1		0.0%
WIST7042	38	38		0.0%	3	3		0.0%	3	3		0.0%
WIST7044	22	22		0.0%	5	5		0.0%	1	1		0.0%
WIST7045	34	33	1	2.9%	4	4		0.0%	3	3		0.0%
WIST7046	5	5		0.0%	1	1		0.0%	1	1		0.0%
WIST7049	20	20		0.0%	3	3		0.0%	3	3		0.0%
WIST7052	49	49		0.0%	8	8		0.0%	4	4		0.0%
WIST7053	11	11		0.0%				#DIV/0!				#DIV/0!
WIST7054	5	5		0.0%	2	2		0.0%				#DIV/0!
WIST7055	9	9		0.0%				#DIV/0!	1	1		0.0%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2013				2014				2015			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7056	24	24		0.0%	2	2		0.0%	1	1		0.0%
WIST7061	7	7		0.0%	1	1		0.0%	1	1		0.0%
WIST7062	11	11		0.0%	1	1		0.0%				#DIV/0!
WIST7064	41	41		0.0%	6	6		0.0%	3	3		0.0%
WIST7065	17	17		0.0%	7	7		0.0%				#DIV/0!
WIST7067	4	4		0.0%				#DIV/0!				#DIV/0!
WIST7068	23	23		0.0%	1	1		0.0%	3	3		0.0%
WIST7069	33	33		0.0%	10	10		0.0%	3	3		0.0%
WIST7070	11	11		0.0%	2	2		0.0%	1	1		0.0%
WIST7071	19	19		0.0%	6	6		0.0%	1	1		0.0%
WIST7072	21	21		0.0%	2	2		0.0%				#DIV/0!
WIST7073	18	18		0.0%	3	3		0.0%	1	1		0.0%
WIST7074	11	11		0.0%	3	3		0.0%				#DIV/0!
WIST7075	23	23		0.0%	3	3		0.0%	3	3		0.0%
WIST7076	39	39		0.0%	11	11		0.0%				#DIV/0!
WIST7078	31	31		0.0%	3	3		0.0%	2	2		0.0%
WIST7079	7	7		0.0%	1	1		0.0%	1	1		0.0%
WIST7080	31	31		0.0%	4	4		0.0%	2	2		0.0%
WIST7081	22	22		0.0%	12	12		0.0%	5	5		0.0%
WIST7083	74	74		0.0%	9	9		0.0%	2	2		0.0%
WIST7086	15	15		0.0%	3	3		0.0%	6	6		0.0%
WIST7088	2	2		0.0%				#DIV/0!	1	1		0.0%
WIST7090	14	14		0.0%	2	2		0.0%				#DIV/0!
WIST7092	9	9		0.0%	1	1		0.0%	1	1		0.0%
WIST7093	17	17		0.0%	1	1		0.0%	3	3		0.0%
WIST7094	16	16		0.0%	2	2		0.0%	2	2		0.0%
WIST7095	12	12		0.0%				#DIV/0!	1	1		0.0%
WIST7098	15	15		0.0%	2	2		0.0%	1	1		0.0%
WIST7103	33	33		0.0%	1	1		0.0%				#DIV/0!
WIST7104	4	4		0.0%				#DIV/0!				#DIV/0!
WIST7106	43	43		0.0%	9	9		0.0%	4	4		0.0%
WIST7108	35	34	1	2.9%	9	9		0.0%	3	3		0.0%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2013				2014				2015			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WIST7109	25	24	1	4.0%	7	7		0.0%	2	2		0.0%
WIST7111	3	3		0.0%	10	10		0.0%	3	3		0.0%
WIST7112	9	9		0.0%	2	2		0.0%	3	3		0.0%
WIST7113	14	14		0.0%	5	5		0.0%	2	2		0.0%
WIST7115	2	2		0.0%				#DIV/0!				#DIV/0!
WIST7116	37	37		0.0%	4	4		0.0%	3	3		0.0%
WIST7117	21	21		0.0%	6	6		0.0%	2	2		0.0%
WIST7118	11	11		0.0%				#DIV/0!				#DIV/0!
WIST7119	23	23		0.0%	5	5		0.0%				#DIV/0!
WIST7120	5	5		0.0%				#DIV/0!				#DIV/0!
WIST7121	25	24	1	4.0%	12	12		0.0%	3	3		0.0%
WIST7122	5	4	1	20.0%	4	4		0.0%	1	1		0.0%
WIST7123	17	17		0.0%	7	7		0.0%	1	1		0.0%
WIST7124	24	24		0.0%	1	1		0.0%	2	2		0.0%
WIST7125	1	1		0.0%	1	1		0.0%	1	1		0.0%
WIST7126	3	3		0.0%				#DIV/0!				#DIV/0!
WIST7127	20	20		0.0%	2	2		0.0%	1	1		0.0%
WIST8001	13	13		0.0%	1	1		0.0%				#DIV/0!
WIST8002	27	27		0.0%	6	6		0.0%	3	3		0.0%
WIST8004	10	10		0.0%	6	5	1	16.7%				#DIV/0!
WIST8005	15	14	1	6.7%	5	5		0.0%	1	1		0.0%
WIST8006	53	53		0.0%	14	14		0.0%	7	7		0.0%
WIST8007	24	24		0.0%	10	10		0.0%	2	2		0.0%
WIST8008	4	4		0.0%	1	1		0.0%	1	1		0.0%
WIST8009	10	10		0.0%	1	1		0.0%	2	2		0.0%
WIST8010	3	3		0.0%				#DIV/0!	1	1		0.0%
WIST8011	31	31		0.0%	6	6		0.0%	2	2		0.0%
WIST8012	3	3		0.0%	2	2		0.0%				#DIV/0!
WIST8013	7	7		0.0%	2	2		0.0%	1	1		0.0%
WISTT001	18	18		0.0%	1	1		0.0%	1	1		0.0%
WISTT002	5	5		0.0%	3	3		0.0%				#DIV/0!
WISTT003	20	20		0.0%	4	4		0.0%	3	2	1	33.3%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2013				2014				2015			
	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %	Total	Pass	Fail	Fail %
WISTT005	18	18		0.0%	4	4		0.0%	2	2		0.0%
WISTT006	12	12		0.0%	4	4		0.0%	2	2		0.0%
Grand Total	3323	3304	19	0.6%	739	735	4	0.5%	292	291	1	0.3%

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Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2016			
	Total	Pass	Fail	Fail %
WIST1002				#DIV/0!
WIST1003				#DIV/0!
WIST1006				#DIV/0!
WIST1012				#DIV/0!
WIST1013	1	1		0.0%
WIST1014				#DIV/0!
WIST1015	2	2		0.0%
WIST1016				#DIV/0!
WIST1017	1	1		0.0%
WIST2001				#DIV/0!
WIST2003				#DIV/0!
WIST2014				#DIV/0!
WIST2015	3	3		0.0%
WIST2016				#DIV/0!
WIST2017				#DIV/0!
WIST2018	1	1		0.0%
WIST2019				#DIV/0!
WIST2020				#DIV/0!
WIST2021	3	3		0.0%
WIST2023				#DIV/0!
WIST2024				#DIV/0!
WIST3003	1	1		0.0%
WIST3004				#DIV/0!
WIST3005	1	1		0.0%
WIST3006				#DIV/0!
WIST3013	2	2		0.0%
WIST3014				#DIV/0!
WIST3016				#DIV/0!
WIST3017	1	1		0.0%
WIST3018				#DIV/0!
WIST3019	1	1		0.0%
WIST3020				#DIV/0!

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Stations	2016			
	Total	Pass	Fail	Fail %
WIST3021	1	1		0.0%
WIST3022	1	1		0.0%
WIST3023	2	2		0.0%
WIST3024				#DIV/0!
WIST4002				#DIV/0!
WIST4003	2	2		0.0%
WIST4004				#DIV/0!
WIST4006				#DIV/0!
WIST4009	2	2		0.0%
WIST4011				#DIV/0!
WIST4014				#DIV/0!
WIST4017				#DIV/0!
WIST4019				#DIV/0!
WIST4024				#DIV/0!
WIST4026	2	2		0.0%
WIST4031				#DIV/0!
WIST4032	1	1		0.0%
WIST4039				#DIV/0!
WIST4040	1	1		0.0%
WIST4042	1	1		0.0%
WIST4043	1	1		0.0%
WIST4044	1	1		0.0%
WIST4045	2	2		0.0%
WIST4046	2	2		0.0%
WIST4047				#DIV/0!
WIST4048				#DIV/0!
WIST4049				#DIV/0!
WIST4050				#DIV/0!
WIST4051				#DIV/0!
WIST4052	1		1	100.0%
WIST4053				#DIV/0!
WIST4054				#DIV/0!

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Stations	2016			Fail %
	Total	Pass	Fail	
WIST5003				#DIV/0!
WIST5004				#DIV/0!
WIST5005				#DIV/0!
WIST5007				#DIV/0!
WIST5008				#DIV/0!
WIST5009	1	1		0.0%
WIST5011	2	2		0.0%
WIST5012				#DIV/0!
WIST5014				#DIV/0!
WIST5015				#DIV/0!
WIST5017	1	1		0.0%
WIST5021				#DIV/0!
WIST5023				#DIV/0!
WIST5028				#DIV/0!
WIST5029				#DIV/0!
WIST5036				#DIV/0!
WIST5037				#DIV/0!
WIST5040				#DIV/0!
WIST5041				#DIV/0!
WIST5044	1	1		0.0%
WIST5045				#DIV/0!
WIST5047				#DIV/0!
WIST5049				#DIV/0!
WIST5052				#DIV/0!
WIST5053				#DIV/0!
WIST5055	2	2		0.0%
WIST5056				#DIV/0!
WIST5058				#DIV/0!
WIST5061				#DIV/0!
WIST5066				#DIV/0!
WIST5069				#DIV/0!
WIST5070	2	2		0.0%

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Stations	2016			
	Total	Pass	Fail	Fail %
WIST5071	1	1		0.0%
WIST5072				#DIV/0!
WIST5073	2	2		0.0%
WIST5074	1	1		0.0%
WIST6001				#DIV/0!
WIST6004	2	2		0.0%
WIST6007				#DIV/0!
WIST6012				#DIV/0!
WIST6013				#DIV/0!
WIST6014				#DIV/0!
WIST6016				#DIV/0!
WIST6018	1	1		0.0%
WIST6021	2	2		0.0%
WIST6022				#DIV/0!
WIST6026				#DIV/0!
WIST6027	3	3		0.0%
WIST6028				#DIV/0!
WIST6029	1	1		0.0%
WIST6030				#DIV/0!
WIST6031	1	1		0.0%
WIST6033	1	1		0.0%
WIST6034				#DIV/0!
WIST6035				#DIV/0!
WIST6036				#DIV/0!
WIST6037				#DIV/0!
WIST6038				#DIV/0!
WIST6039	2	2		0.0%
WIST6040	1	1		0.0%
WIST7003				#DIV/0!
WIST7004				#DIV/0!
WIST7006	2	2		0.0%
WIST7007				#DIV/0!

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Stations	2016			
	Total	Pass	Fail	Fail %
WIST7009	1	1		0.0%
WIST7011	2	2		0.0%
WIST7014				#DIV/0!
WIST7015				#DIV/0!
WIST7016				#DIV/0!
WIST7017	2	2		0.0%
WIST7018				#DIV/0!
WIST7019				#DIV/0!
WIST7020				#DIV/0!
WIST7021				#DIV/0!
WIST7022				#DIV/0!
WIST7023				#DIV/0!
WIST7024				#DIV/0!
WIST7025				#DIV/0!
WIST7027				#DIV/0!
WIST7030	2	2		0.0%
WIST7031				#DIV/0!
WIST7032				#DIV/0!
WIST7033	1	1		0.0%
WIST7036				#DIV/0!
WIST7039				#DIV/0!
WIST7040	1	1		0.0%
WIST7041				#DIV/0!
WIST7042				#DIV/0!
WIST7044				#DIV/0!
WIST7045				#DIV/0!
WIST7046				#DIV/0!
WIST7049				#DIV/0!
WIST7052	1	1		0.0%
WIST7053	1	1		0.0%
WIST7054				#DIV/0!
WIST7055				#DIV/0!

Appendix 2

Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2016			Fail %
	Total	Pass	Fail	
WIST7056				#DIV/0!
WIST7061				#DIV/0!
WIST7062	2	2		0.0%
WIST7064				#DIV/0!
WIST7065				#DIV/0!
WIST7067				#DIV/0!
WIST7068				#DIV/0!
WIST7069	3	3		0.0%
WIST7070				#DIV/0!
WIST7071				#DIV/0!
WIST7072				#DIV/0!
WIST7073	1	1		0.0%
WIST7074				#DIV/0!
WIST7075	3	3		0.0%
WIST7076				#DIV/0!
WIST7078	1	1		0.0%
WIST7079				#DIV/0!
WIST7080	1	1		0.0%
WIST7081	6	6		0.0%
WIST7083				#DIV/0!
WIST7086				#DIV/0!
WIST7088				#DIV/0!
WIST7090				#DIV/0!
WIST7092				#DIV/0!
WIST7093	2	2		0.0%
WIST7094				#DIV/0!
WIST7095	3	2	1	33.3%
WIST7098				#DIV/0!
WIST7103				#DIV/0!
WIST7104	1	1		0.0%
WIST7106	2	2		0.0%
WIST7108	1	1		0.0%

Appendix 2

Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

Stations	2016			Fail %
	Total	Pass	Fail	
WIST7109				#DIV/0!
WIST7111				#DIV/0!
WIST7112	3	3		0.0%
WIST7113	3	3		0.0%
WIST7115				#DIV/0!
WIST7116				#DIV/0!
WIST7117	3	3		0.0%
WIST7118	1	1		0.0%
WIST7119	2	2		0.0%
WIST7120	3	3		0.0%
WIST7121				#DIV/0!
WIST7122	3	3		0.0%
WIST7123				#DIV/0!
WIST7124	4	4		0.0%
WIST7125				#DIV/0!
WIST7126				#DIV/0!
WIST7127				#DIV/0!
WIST8001				#DIV/0!
WIST8002	1	1		0.0%
WIST8004				#DIV/0!
WIST8005				#DIV/0!
WIST8006				#DIV/0!
WIST8007				#DIV/0!
WIST8008				#DIV/0!
WIST8009				#DIV/0!
WIST8010	1	1		0.0%
WIST8011	2	2		0.0%
WIST8012				#DIV/0!
WIST8013	1	1		0.0%
WISTT001				#DIV/0!
WISTT002				#DIV/0!
WISTT003				#DIV/0!

Appendix 2

Initial Test Failure Rate by Model Year and Test Station - 40 CFR Part 51.366 (a)(4)

	2016			
Stations	Total	Pass	Fail	Fail %
WISTT005	1	1		0.0%
WISTT006				#DIV/0!
Grand Total	131	129	2	1.5%

Appendix 3(c)(2) Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST5056	Aamco Transmission #15160 (#423)	9055 N. 76th St.	Milwaukee	53223	Milwaukee	18
WIST3003	Accelerated Auto Service	667 W. State St.	Burlington	53105	Racine	12
WIST7019	Affordable Car & Marine Firestone	12465 W. Lisbon Rd	Brookfield	53005	Waukesha	12
WIST1003	Allenton Service	5908 Hillcrest Dr.	Allenton	53002	Washington	18
WIST7020	American Muffler & Automotive	5933 S. Pine St.	Burlington	53105	Racine	12
WIST7003	Anastos Motors Inc.	4513 S. Greenbay Rd	Kenosha	53144	Kenosha	12
WISTT002	Anaya's Auto Repair (TAC)	2515 52nd St.	Kenosha	53140	Kenosha	12
WIST6007	Anderson Automotive	240 Highland Dr.	Fredonia	53021	Ozaukee	30
WISTT003	Auto Analyzers (TAC)	8404 W. Greenfield Ave.	West Allis	53214	Milwaukee	12
WIST2023	Auto Diagnostics	11321 W. Greenfield	West Allis	53214	Milwaukee	12
WIST2019	Automotive Solutions	215 Klein Lane	Saukville	53080	Ozaukee	21
WIST7115	Black Tie Auto Service	S84 W21172 Janesville Rd	Muskego	53150	WAUKESHA	12
WIST4009	Bluemound Auto Service	6000 W. Bluemound Rd	Wauwatosa	53213	Milwaukee	15
WIST4045	Bob's Main Street Auto & Tow	1200 N Main St	West Bend	53090	Washington	21
WIST5008	Bob's Main Street Auto & Tow	115 W. Decorah Rd	West Bend	53095	Washington	21
WIST7121	Boucher Hyundai	1583 E Moreland Blvd	Waukesha	53186	Waukesha	12
WIST2001	Braeger Chevy Inc	4100 S. 27th St	Milwaukee	53221	Milwaukee	12
WIST5028	Braeger Ford Inc	4201 S. 27th St	Milwaukee	53221	Milwaukee	12
WIST1012	Butler Auto Body	4830 N. 125th St.	Butler	53007	Waukesha	24
WISTT006	Carlton Automotive Inc. (TAC)	1318 Center St., PO Box 700288	Oostburg	53070	Sheboygan	33
WIST7090	Carwurx Plus	10685 W. Layton Ave.	Greenfield	53228	Milwaukee	12
WIST5049	Chris Auto Service	14000 W. Greenfield Ave.	Brookfield	53005	Waukesha	12
WIST6004	Chuck's Main St. Auto	N64 W23876 Main St.	Sussex	53089	Waukesha	18
WIST5055	Curriepark Auto Center	10745 W. Capitol Dr.	Wauwatosa	53222	Milwaukee	18
WIST5040	Dads Auto Service	S98 W12575 Loomis Crt.	Muskego	53150	Waukesha	12
WIST5005	Dave's Garage Inc.	5454 W. Forest Home Ave.	Greenfield	53220	Milwaukee	12
WIST5045	Dave's Truck & 4 X 4 Repair, LLC	2993 Sherman Rd.	Jackson	53037	Washington	18
WIST5015	Durand Automotive Center	1623 Durand Ave.	Racine	53403	Racine	12
WIST1002	Engine & Transmission Exchange	2727 S. 27th St.	Milwaukee	53215	Milwaukee	12
WIST5061	Engine & Transmission Exchange	1604 S. West Ave.	Waukesha	53189	Waukesha	12
WIST6033	Eric Von Schledorn	805 E Green Bay Rd	Saukville	53080	Ozaukee	21
WIST3021	Eric Von Schledorn	W4873 County Road RR	Random Lake	53066	Sheboygan	27
WIST7018	Ernie von Schledorn, Inc.	N88 W14167 Main St.	Menomonee Falls	53051	Waukesha	21
WIST2017	Ewald Chevrolet	36833 E. Wisconsin Ave	Oconomowoc	53066	Waukesha	12
WIST4040	Ewald Venus Ford	2727 E. Layton Ave.	Cudahy	53110	Milwaukee	12
WIST7021	Expert Car Care Inc.	6803 W. National Ave.	West Allis	53214	Milwaukee	12
WIST4052	Extreme Complete Auto	2405 W. Center St.	Milwaukee	53206	Milwaukee	6

Appendix 3(c)(2) Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST4017	F & F Tire World	2930 W. Rawson Ave.	Franklin	53132	Milwaukee	12
WIST5011	F & F Tire World	20120 Bluemound Rd.	Brookfield	53045	Waukesha	12
WIST5009	F & F Tire World	410 N. Moorland Rd	Brookfield	53005	Waukesha	12
WIST5041	Falls Auto Tech	N84 W15859 Appleton Ave.	Menomonee Falls	53051	Waukesha	18
WIST7081	Farkas Automotive Inc.	8008 N. Sherman	Brown Deer	53209	Milwaukee	12
WIST8006	Fast Track Oil Change # 09	5450 N Port Washington Rd	Glendale	53216	Milwaukee	15
WIST8005	Fast Track Oil Change #04	6942 W Brown Deer Rd	Milwaukee	53223	Milwaukee	15
WIST5069	Fast Track Oil Change #08	7515 W Capitol Dr	Milwaukee	53216	Milwaukee	15
WIST4044	Fast Track Oil Change #11	6207 W North Ave	Wauwatosa	53213	Milwaukee	15
WIST7113	Fast Track Oil Change #03	5400 S. 108th St.	Hales Corners	53130	Milwaukee	12
WIST8002	Fast Track Oil Change #1	15400 W National Ave	New Berlin	53151	Waukesha	12
WIST7116	Fast Track Oil Change #10	14245 W. Capitol Dr.	Brookfield	53005	Waukesha	18
WIST2018	Fast Track Oil Change #13	1557 W Moreland Blvd	Waukesha	53186	Waukesha	12
WIST7119	Fast Track Oil Change #2	W62N271 Washington Ave	Cedarburg	53012	Ozaukee	15
WIST5071	Fast Track Oil Change #5	5428 Washington Ave	Racine	53406	Racine	12
WIST4043	Fast Track Oil Change #7	4296 S 27TH ST	Milwaukee	53221	Milwaukee	12
WIST8007	Fast Track Oil Change Center #6	3130 S 108th St	West Allis	53227	Milwaukee	12
WIST3022	Fleet 1	749 W STATE ST	Milwaukee	53202	Milwaukee	12
WIST4019	Fleet Auto Sales & Service	7400 W. National Ave.	West Allis	53214	Milwaukee	12
WIST5014	Frank Boucher Chevrolet Cadillac	8600 Washington Ave.	Racine	53406	Racine	12
WIST7092	G-Brock's Auto Repair	375 E. Ottawa Ave	Dousman	53118	Waukesha	12
WIST4024	Girard's Service	5517 W. Rawson Ave.	Franklin	53132	Milwaukee	6
WIST6035	Good Hope Service	4230 W. Good Hope Rd.	Milwaukee	53209	Milwaukee	12
WIST3004	Gordie Boucher Ford	8301 75th St.	Kenosha	53142	Kenosha	0
WIST3005	Gordie Boucher Ford Lincoln	3021 W. Washington St.	West Bend	53095	Washington	18
WIST7093	Gordon's Wheel Service	3595 N. 124 St.	Brookfield	53005	Waukesha	18
WIST5066	Grady's Automotive Inc.	6272 S. Packard Ave	Cudahy	53110	Milwaukee	12
WIST7078	Griffin Ford	1940 E. Main St.	Waukesha	53186	Waukesha	12
WIST5072	Habhegger	102 W Capitol Dr	Milwaukee	53212	Milwaukee	12
WIST6022	Hall Automotive	704 Bluemound Rd.	Waukesha	53189	Waukesha	15
WIST6028	Hands on Garage	5757 N Lovers Lane	Milwaukee	53225	Milwaukee	9
WIST7016	Hartland Services Inc.	400 Industrial Dr	Hartland	53029	Waukesha	12
WIST2003	Hartnell Chevrolet	7800 Antioch Rd. (Hwy 83)	Salem	53168	Kenosha	12
WIST7104	Heiser Quick Motors	7800 N 76th St.	Milwaukee	53223	Milwaukee	3
WIST2015	Heiser Toyota	11301 W. Metro Blvd.	Milwaukee	53224	Milwaukee	15
WIST7088	Hoffman Auto & Tire	6000 49th Street	Kenosha	53144	Kenosha	12
WIST5052	Jacks Auto Service Inc.	9901 Kraut Rd	Franksville	53126	Racine	6

Appendix 3(c)(2) Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST8009	Jackson Superlube	W213N16770 Glen Brook Dr	Jackson	53037	Washington	21
WIST4011	Junior Tire & Automotive Service Inc.	201 S Main St.	Thiensville	53092	Ozaukee	0
WISTT001	Jerry's Auto Service Inc. (TAC)	W229 N2467 Hwy F	Waukesha	53186	Waukesha	12
WIST4004	Jim's Mobil Service Inc.	12401 W. Cleveland Ave.	New Berlin	53151	Waukesha	12
WIST4002	Joe's Slinger Service LLC	220 Info Hwy. Cr.	Slinger	53086	Washington	18
WIST6030	John Amato Ford	1015 S Main St	Mukwonago	53149	Waukesha	15
WIST3013	John Amato Hyundai Inc.	8301 N. 76th St.	Milwaukee	53223	Milwaukee	15
WIST3023	John Amato Nissan	5200 N Port Washington Rd	Glendale	53217	Milwaukee	18
WIST7022	John Paul's Buick GMC	3615 S. 108th St.	Greenfield	53228	Milwaukee	12
WIST4051	Kastenson Auto (formally Tenhagen Auto)	21445 Durand Ave	Union Grove	53182	Racine	12
WIST3014	Komp Tech Automotive Service	8832 W. Greenfield Ave.	West Allis	53214	Milwaukee	12
WIST7079	Koplein Tune & Lube	7960 N. 76th St.	Milwaukee	53223	Milwaukee	24
WIST5012	Krueger's Auto Tech Center	W61 N225 Cardinal Ave.	Cedarburg	53012	Ozaukee	15
WIST4003	Kusch's Automotive	136 N. 120th St.	Wauwatosa	53226	Milwaukee	12
WIST4049	LaBelle Auto	N56 W39413 Hwy 16	Oconomowoc	53066	Waukesha	12
WIST3018	Larrys Auto	6373 North 91st Street	Milwaukee	53225	Milwaukee	15
WIST4014	Laubenheimer's Garage LLC	1860 Hwy 175, PO Box 36	Richfield	53076	Washington	18
WIST4032	Laus Tire & Auto	5025 W. Villard Ave.	Milwaukee	53218	Milwaukee	12
WIST3019	Lemay Auto	8220 75th Street	Kenosha	53142	Kenosha	6
WIST4053	Liberty Street Auto	1313 Liberty St.	Racine	53404	Racine	12
WIST7023	Lisbon Sales & Services	7515 W. Lisbon Ave.	Milwaukee	53216	Milwaukee	15
WIST6013	Lutter's Elmbrook Automotive	16880 Greenfield Ave.	Brookfield	53005	Waukesha	12
WIST6001	M & M Citgo	2101 Douglas Ave.	Racine	53402	Racine	12
WIST6021	Maddison Automotive	210 N. Wales Rd.	Wales	53183	Waukesha	12
WIST7120	Manyo Motors	4035 N Green Bay Avenue	Milwaukee	53212	Milwaukee	15
WIST6026	Martin Ford	19215 Spring St	Union Grove	53182	Racine	12
WIST3006	Martin's Automotive Services	W230 S8750 Wynn Dr	Big Bend	53103	Waukesha	12
WIST5053	Mayer Automotive LLC.	W6082 Hwy W	Cascade	53011	Sheboygan	24
WIST4042	Meineke Car Care Center	4320 S 27TH ST	Milwaukee	53221	Milwaukee	12
WIST6016	Mertens Auto Service Center	389 Milwaukee Ave.	Burlington	53105	Racine	15
WIST7103	Meyer Motors Inc.	107 Plaza Lane	Plymouth	53073	Sheboygan	21
WIST7007	Midas	1230 S. Green Bay Rd	Racine	53406	Racine	12
WIST7024	Midas	4500 52nd St.	Kenosha	53144	Kenosha	12
WIST7025	Midas	N96 W18375 Hwy Q	Menomonee Falls	53052	Waukesha	21
WIST7027	Midas Auto Service Center	5811 W. Capitol Dr.	Milwaukee	53216	Milwaukee	15
WIST2014	Midas Auto Service Center	3706 W. Wisconsin Ave.	Milwaukee	53208	Milwaukee	15
WIST8011	Mike's Quality Auto	457 Falcon Ridge Dr	Burlington	53105	Racine	12

Appendix 3(c)(2) Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST1014	Mission Auto Services	1230 South West Ave	Waukesha	53186	Waukesha	12
WIST3016	Mobil 1 Lube Express	1328 Indiana Ave.	Sheboygan	53081	Sheboygan	33
WIST1013	Mobil 1 Lube Express #12	W156 N8390 Pilgrim Rd	Menomonee Falls	53051	Waukesha	21
WIST7108	Mobil1 Lube Express	2757 Calumet Dr.	Sheboygan	53081	Sheboygan	30
WIST7109	Mobil1 Lube Express	3669 S. Taylor Dr.	Sheboygan	53081	Sheboygan	36
WIST5007	Monro	N88 W15176 Main St.	Menomonee Falls	53051	Waukesha	18
WIST5047	Monro	1212 S. 108th St.	West Allis	53214	Milwaukee	12
WIST6014	Monro	6084 S. Packard Ave.	Cudahy	53110	Milwaukee	12
WIST5021	Monro	5930 W. Bluemound Rd	Milwaukee	53213	Milwaukee	15
WIST7015	Monro	13190 W. Capitol Dr.	Brookfield	53005	Waukesha	18
WIST5036	Monro	3849 S. 27th St.	Milwaukee	53221	Milwaukee	12
WIST6012	Monro	7500 W. Layton Ave.	Greenfield	53220	Milwaukee	12
WIST7094	Muskego Tire & Auto	S73 W16610 Janesville Rd	Muskego	53150	Waukesha	15
WIST8004	National Auto Tech	630 W. National Ave	Milwaukee	53204	Milwaukee	15
WIST7095	National Complete Auto Care	16405 W. National Ave.	New Berlin	53151	Waukesha	12
WIST7030	National Pride Auto	5512 75th St.	Kenosha	53142	Kenosha	12
WIST7031	Nelson's Automotive of Pewaukee	N49 W22900 Commerce Ctr. Dr.	Pewaukee	53072	Waukesha	12
WIST6034	New Berlin Tire	15650 W National Ave	New Berlin	53151	Waukesha	12
WIST4006	Newman Chevrolet	1181 Wauwatosa Rd	Cedarburg	53012	Ozaukee	15
WIST7032	North Avenue Firestone	4926 W. North Ave.	Milwaukee	53208	Milwaukee	12
WIST7014	Oak Creek Automotive Inc.	7948 S. 27th St.	Oak Creek	53154	Milwaukee	12
WIST5004	O'Gorman's West Town Auto	7105 W. North Ave.	Wauwatosa	53213	Milwaukee	18
WIST7044	Oil Express - AKA River Falls Oil & Tire	N88W15220 Main St.	Menomonee Falls	53051	Waukesha	15
WIST2016	O'Reilly Motor Cars Inc	324 West Cherry St.	Milwaukee	53212	Milwaukee	6
WIST5029	Palmen Buick, GMC, Cadillac	7110 74th Place	Kenosha	53142	Kenosha	12
WIST7004	Passehl's BP	4625 Taylor Ave.	Racine	53405	Racine	12
WIST6018	Paul's Bender Center	8313 22nd Ave.	Kenosha	53143	Kenosha	12
WIST7033	Pinkalla Auto Solutions	3059 Durand Ave.	Racine	53403	Racine	12
WIST8010	Pope Auto	10204 W Greenfield Ave	West Allis	53214	Milwaukee	12
WIST2021	Port Washington Super Lube	1610 N Washington St	Port Washington	53074	Ozaukee	21
WIST5017	Pro Auto Center	303 E. Monroe Ave.	Hartford	53027	Washington	18
WIST4031	R & R Automotive	6930 39th Ave.	Kenosha	53142	Kenosha	12
WIST8008	R.K. Motors	3700 N Holton St	Milwaukee	53212	Milwaukee	15
WIST7036	Racine Auto Specialist	2320 Douglas Ave.	Racine	53402	Racine	12
WIST7039	Richfield Service	1810 Wolf Rd	Richfield	53076	Washington	18
WIST7040	Richlonns Tire & Service Center	S78 W18755 Janesville Rd	Muskego	53150	Waukesha	12
WIST7042	Richlonns Tire & Service Center	2480 W. Sunset Dr.	Waukesha	53189	Waukesha	12

Appendix 3(c)(2) Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST7041	Richlonns Tire & Service Center	5131 S. 76th St.	Greendale	53129	Milwaukee	12
WIST5037	Richlonns Tire & Service Center	4440 S. 108th St.	Greenfield	53228	Milwaukee	12
WIST7017	Richlonns Tire & Service Centers	5418 Washington Ave.	Racine	53406	Racine	12
WIST4050	Rick's Car Care	6121 W Mequon Rd	Mequon	53092	Ozaukee	18
WIST7045	Rivers Edge Oil & Tire	811 S. Rochester St.	Mukwonago	53149	Waukesha	12
WIST5058	Ruby Isle Auto	11137 W. Silver Spring Dr.	Milwaukee	53225	Milwaukee	18
WIST5003	Russ Darrow Chrysler Jeep Dodge	7676 North 76th St	Milwaukee	53223	Milwaukee	18
WIST7009	Russ Darrow Honda	9301 W. Brown Deer Rd	Milwaukee	53224	Milwaukee	12
WIST7086	Russ Darrow Kia of Waukesha	2141 E. Moreland Blvd	Waukesha	53186	Waukesha	12
WIST4026	Russ Darrow Kia of Wauwatosa	1901 N. Mayfair Rd	Wauwatosa	53226	Milwaukee	15
WIST5023	Russ Darrow Mitsubishi	W226 S1700 Hwy 164	Waukesha	53186	Waukesha	12
WIST5044	Russ Darrow Nissan	11212 W Metro Blvd	Milwaukee	53224	Milwaukee	15
WIST7049	Russ Darrow Toyota	2700 W. Washington St.	West Bend	53095	Washington	18
WIST7006	Russ Darrow West Bend	3210 W. Washington St.	West Bend	53095	Washington	18
WIST7011	Salem Auto Service	8515 Antioch Rd	Salem	53168	Kenosha	12
WISTT005	Schaefer Service Center (TAC)	1130 E. Commerce Blvd	Slinger	53086	Washington	15
WIST1006	Schlossmann's Honda City	3450 South 108th St.	Greenfield	53227	Milwaukee	0
WIST7080	Schmit Bros Ford Lincoln	925 E. Green Bay Rd	Saukville	53080	Ozaukee	33
WIST7083	Sheboygan Chevrolet GMC Buick	3400 S. Business Dr.	Sheboygan	53081	Sheboygan	21
WIST7098	Shorewood Auto Repair	1330 E. Capitol Dr.	Shorewood	53211	Milwaukee	15
WIST8001	Silver Lake Auto Center	N76 W30620 HWY VV	Hartland	53029	Waukesha	12
WIST7053	Silver Lake Auto Service Inc.	551 N. Cogswell Dr.	Silver Lake	53170	Kenosha	12
WIST7052	Silver Lake Auto Service Inc.	36355 E. Wisconsin Ave.	Oconomowoc	53066	Waukesha	12
WIST7069	Silvernail Emissions Car Care & Uhaul	2210 Silvernail Rd	Pewaukee	53072	Waukesha	12
WIST7054	Sippl's Auto Service Inc.	N87 W17460 Main St.	Menomonee Falls	53051	Waukesha	18
WIST7055	South Milwaukee Car Care Center	1221 N. Chicago Ave.	South Milwaukee	53172	Milwaukee	12
WIST7056	Southtown Tire & Auto	2906 S. 108th St.	West Allis	53227	Milwaukee	12
WIST2020	Sudz Wash & Lube	7700 W. Rawson Ave	Franklin	53132	Milwaukee	12
WIST7117	Sudz Wash & Lube	5506 S Packard Ave	Cudahy	53110	Milwaukee	12
WIST1015	Sudz Wash & Lube	N95 W18255 Appleton Avenue	Menomonee Falls	53051	Waukesha	18
WIST6036	Sunset Auto Service	1194 FOND DU LAC AVE	Sheboygan Falls	53085	Sheboygan	12
WIST7118	Tech Way	4004 S Kinnickinnic Ave	St Francis	53235	Milwaukee	12
WIST5070	Tender Car Care	1825 S Kinnickinnic Ave	Milwaukee	53204	Milwaukee	12
WIST1016	Tenley Auto	9208 West Capitol Drive	Milwaukee	53222	Milwaukee	18
WIST7061	Theel Auto Inc.	N8364 County Rd J	Elkhart Lake	53020	Sheboygan	27
WIST7123	Tires Plus - Kenosha	7424 74th Place	Kenosha	53142	Kenosha	12
WIST7062	Tires Unlimited Automotive Service	1557 N. Wisconsin St.	Port Washington	53074	Ozaukee	21

Appendix 3(c)(2) Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST7064	Trust Tire & Auto Service	10432 N. Port Washington Rd	Mequon	53092	Ozaukee	18
WIST7065	Twenty First Century Auto	5300 W. Forest Home Ave.	Milwaukee	53220	Milwaukee	12
WIST7126	Valvoline	5920 21st St	Racine	53405	Racine	12
WIST6040	Valvoline	3360 S. 27th St.	Milwaukee	53221	Milwaukee	12
WIST6031	Valvoline	N167S7825 Lions Park Dr	Muskego	53150	Waukesha	12
WIST6038	Valvoline	832 E Moreland Blvd	Waukesha	53186	Waukesha	12
WIST4054	Valvoline	1950 Eastern Ave	Plymouth	53073	Sheboygan	30
WIST7125	Valvoline	7028 W Capitol Dr	Milwaukee	53216	Milwaukee	15
WIST1017	Valvoline	1700 E North Ave	Milwaukee	53202	Milwaukee	15
WIST2024	Valvoline	1951 E Main St	Waukesha	53186	Waukesha	12
WIST6039	Valvoline	2325 Sun Valley Dr	Delafield	53018	Waukesha	12
WIST7127	Valvoline	1812 Silvernail Rd	Pewaukee	53072	Waukesha	12
WIST6037	Valvoline	3015 52nd St	Kenosha	53144	Kenosha	12
WIST3024	Valvoline	4839 S. 27th Street	Greenfield	53221	Milwaukee	3
WIST7124	Valvoline	6100 N Port Washington Rd	Glendale	53212	Milwaukee	15
WIST5074	Valvoline	112 S. 68th St.	Milwaukee	53214	Milwaukee	12
WIST4039	Van Horn Dodge	3000 Eastern Ave	Plymouth	53073	Sheboygan	21
WIST7067	Village Tire & Auto	W172 N12185 Division Rd	Germantown	53022	Washington	18
WIST7068	Wales Super Lube #421	120 W. Summit Ave	Wales	53183	Waukesha	12
WIST7046	Weigman's Automotive Inc	7169 W. Fond du Lac Ave.	Milwaukee	53218	Milwaukee	15
WIST7070	Weissman Automotive	W140 N10455 Fond du Lac Ave.	Germantown	53022	Washington	21
WIST7071	Welks Automotive	8333 W. Layton Ave.	Greenfield	53220	Milwaukee	12
WIST4048	West Bend Super Lube	2353 W Washington St	West Bend	53095	Washington	18
WIST7072	Westside Auto Center	820 W. Sumner St.	Hartford	53027	Washington	18
WIST7106	Wilde Toyota	3225 S. 108 St.	West Allis	53227	Milwaukee	12
WIST7073	Wilmot Auto Service Inc.	11307 Fox River Rd	Wilmot	53192	Kenosha	12
WIST7075	Wisconsin Muffler	13320 W. College Ave.	New Berlin	53151	Waukesha	12
WIST7074	Wisconsin Muffler	3634 W. Lincoln Ave.	Milwaukee	53215	Milwaukee	12
WIST7076	WJ Kuhn Automotive Center Inc.	8511 S. Howell Ave.	Oak Creek	53154	Milwaukee	12