
WISCONSIN
VEHICLE INSPECTION PROGRAM
ANNUAL REPORT
2020



CONTENTS

Background	1
Program Overview	1
Quality Control/Quality Assurance	2
Network.....	2
TEST DATA REPORT	9
OPERATING STATISTICS	9
All Tests.....	9
Initial Tests	10
Retest Results.....	13
Subsequent Retests	16
Vehicle Waivers	19
No Final Outcome	23
Vehicles Passing or Failing OBD Test	24
Comparison of On-Board Diagnostic tests with Other Test Types.....	27
Check Engine Light Commanded On	27
Readiness Monitors:	30
Initial Test Volume By Model Year and Station	31
Initial Test Failure Rate By Model Year and Test Station	32
Change in Tailpipe Emission Levels After Repairs	32
QUALITY ASSURANCE REPORT	33
Testing Network	33
Private Inspection Facilities Operating On December 31, 2020	33
Private Inspection Facilities Deactivated In 2020	38
Technical Assistance Centers.....	38
Overt and Covert Performance Audits	39
Covert Audits.....	39
Fines, Suspension or Termination Due to Audit Failures.....	39
Number of inspectors licensed or certified to conduct testing	40
Number of hearings	40
Fines.....	40
Covert Audits.....	40

QUALITY CONTROL REPORT	40
Number of Emission Testing Sites and Lanes.....	40
Number of Equipment audits by station and lane.....	41
ENFORCEMENT REPORT	41
Registration denial based enforcement programs.....	42
Computer-matching based enforcement programs	43
Sticker- based enforcement programs.....	43
ADDITIONAL REPORTING REQUIREMENTS	44
Introduction.....	44
Waiver Repair Cost Limit Raised	45
covid 19 pandemic impacts.....	45
Program Issues Identified and Corrected	45

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 2020 the PIF per county totals were:

- Kenosha = 17
- Milwaukee = 59
- Racine = 18
- Sheboygan = 12
- Waukesha = 41
- Ozaukee = 8
- Washington = 19

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

Registration Renewal Testing: Model Years 1996 through 2017

- 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 2015 and older in CY 2020

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 2020, and their locations (see section 40 CFR Part 51.366 (b)(1)(i) of this report).

PROGRAM RATIONALE

Elevated spring and summertime ozone levels remain an air quality challenge along the coast of Lake Michigan, including Southeastern Wisconsin. Despite significant improvements in air quality in recent years, the state has several areas (all of Milwaukee and Ozaukee counties and parts of Door, Kenosha, Manitowoc, Racine, Sheboygan, Washington and Waukesha counties) that are currently designated as non-attainment areas for federal ozone standards.

MOTOR VEHICLE EMISSION REDUCTIONS & AIR QUALITY IMPROVEMENT

Motor vehicle emissions have a substantial role in determining regional air quality. 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 2020:

- Volatile organic compounds (VOC) emissions reduced by 0.60 tons per summer weekday, or 4.5% (5.2% reduction in light-duty vehicle emissions).
- Oxides of nitrogen (NOx) emissions reduced by 0.57 tons per summer weekday, or 2.2% (6.0% reduction in light-duty vehicle emissions).

- Carbon monoxide (CO) emissions reduced by 23.28 tons per summer weekday, or 9.4% (10.2% reduction in light-duty vehicle emissions).

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

		Volatile Organic Compounds (VOC)							
		2005	2008	2011	2014	2017	2018	2019	2020
No WVIP	Light-Duty Vehicles	46.28	35.51	30.20	20.46	16.20	14.90	13.80	11.66
No WVIP	Heavy-Duty Vehicles	6.16	5.19	4.35	3.04	2.41	2.08	1.81	1.58
No WVIP	<i>% Light-Duty Vehicles</i>	88.3%	87.3%	87.4%	87.1%	87.1%	87.8%	88.4%	88.0%
No WVIP	All Vehicles	52.44	40.70	34.55	23.50	18.61	16.98	15.61	13.24
WVIP	Light-Duty Vehicles	41.40	32.12	28.97	19.46	15.38	14.13	13.06	11.06
WVIP	Heavy-Duty Vehicles	6.16	5.19	4.35	3.04	2.41	2.08	1.81	1.58
WVIP	<i>% Light-Duty Vehicles</i>	87.0%	86.1%	86.9%	86.5%	86.5%	87.2%	87.8%	87.5%
WVIP	All Vehicles	47.56	37.30	33.32	22.49	17.79	16.21	14.87	12.64
WVIP Reductions (tons)		4.89	3.40	1.23	1.00	0.82	0.77	0.73	0.60
WVIP Reductions (% of Light-Duty Emissions)		10.6%	9.6%	4.1%	4.9%	5.0%	5.2%	5.3%	5.2%
WVIP Reductions (% of All Vehicle Emissions)		9.3%	8.3%	3.6%	4.3%	4.4%	4.5%	4.7%	4.5%

		Oxides of Nitrogen (NOx)							
		2005	2008	2011	2014	2017	2018	2019	2020
No WVIP	Light-Duty Vehicles	86.48	66.54	54.18	31.37	17.04	14.51	12.34	9.44
No WVIP	Heavy-Duty Vehicles	53.17	42.10	33.66	25.06	21.41	19.62	17.88	16.01
No WVIP	<i>% Light-Duty Vehicles</i>	<i>61.9%</i>	<i>61.3%</i>	<i>61.7%</i>	<i>55.6%</i>	<i>44.3%</i>	<i>42.5%</i>	<i>40.8%</i>	<i>37.1%</i>
No WVIP	All Vehicles	139.64	108.64	87.84	56.43	38.44	34.13	30.21	25.44
WVIP	Light-Duty Vehicles	78.31	60.41	51.09	29.36	15.92	13.56	11.54	8.87
WVIP	Heavy-Duty Vehicles	53.17	42.10	33.66	25.06	21.41	19.62	17.88	16.01
WVIP	<i>% Light-Duty Vehicles</i>	<i>59.6%</i>	<i>58.9%</i>	<i>60.3%</i>	<i>54.0%</i>	<i>42.6%</i>	<i>40.9%</i>	<i>39.2%</i>	<i>35.7%</i>
WVIP	All Vehicles	131.47	102.51	84.75	54.42	37.32	33.18	29.41	24.88
WVIP Reductions (tons)		8.17	6.13	3.09	2.01	1.12	0.95	0.80	0.57
WVIP Reductions (%)		9.4%	9.2%	5.7%	6.4%	6.6%	6.5%	6.5%	6.0%
WVIP Reductions (% of All Vehicle Emissions)		5.9%	5.6%	3.5%	3.6%	2.9%	2.8%	2.7%	2.2%

		Carbon Monoxide (CO)							
		2005	2008	2011	2014	2017	2018	2019	2020
No WVIP	Light-Duty Vehicles	651.37	538.18	495.17	379.57	318.29	299.14	279.95	227.50
No WVIP	Heavy-Duty Vehicles	51.90	40.46	33.76	26.05	23.17	21.40	19.90	19.13
No WVIP	% Light-Duty Vehicles	92.6%	93.0%	93.6%	93.6%	93.2%	93.3%	93.4%	92.2%
No WVIP	All Vehicles	703.27	578.64	528.94	405.62	341.46	320.54	299.86	246.63
WVIP	Light-Duty Vehicles	584.23	481.86	461.43	347.41	287.27	268.76	250.46	204.22
WVIP	Heavy-Duty Vehicles	51.90	40.46	33.76	26.05	23.17	21.40	19.90	19.13
WVIP	% Light-Duty Vehicles	91.8%	92.3%	93.2%	93.0%	92.5%	92.6%	92.6%	91.4%
WVIP	All Vehicles	636.14	522.32	495.19	373.47	310.43	290.16	270.36	223.35
WVIP Reductions (tons)		67.13	56.32	33.75	32.15	31.02	30.38	29.50	23.28
WVIP Reductions (% of Light-Duty Emissions)		10.3%	10.5%	6.8%	8.5%	9.7%	10.2%	10.5%	10.2%
WVIP Reductions (% of All Vehicle Emissions)		9.5%	9.7%	6.4%	7.9%	9.1%	9.5%	9.8%	9.4%

NOTES:

1. Emissions calculated using the U.S. EPA's new MOVES₃ model for all calendar years. This model provides lower emission reduction percentages from the WVIP than the model used in the previous year's report (MOVES_{2014b}).

2. The current and previous versions of the MOVES model do not calculate benefits from the testing of diesel-powered vehicles nor heavy-duty vehicles. As a result, the WVIP reductions presented above are slight under-estimates since for model years 2007 and newer the WVIP does test vehicles up to 14,000 pounds gross vehicle weight rating, powered by both gasoline and diesel fuel.

3. Emissions calculated for the year 2020 are preliminary, since local 2020 vehicle-miles of travel data are not yet available. Instead, the 2020 vehicle-miles of travel was estimated by applying a national 2019 to 2020 growth rate, calculated by the Federal Highway Administration, to the 2019 vehicle-miles of travel. This rate is 0.868 (13.2% decrease), the large decrease resulting from the COVID-19 pandemic. The DNR then allocated all of this decrease to the light-duty classes, since available information indicates heavy-duty travel remained at about 2019 levels during most of 2020. This resulted in a 14.4% travel decrease for the light-duty classes and no change in travel for the heavy-duty classes.

4. In July 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 lower emission reduction percentages after 2008 than before. After 2008, the emission reduction percentages show a generally increasing trend on account of an increasing percentage of the total vehicle travel by the tested vehicles (model year 1996 and newer vehicles).

5. The one exception to the trend of increasing emission reduction percentages after 2008 is the trend for NO_x. The NO_x reductions in 2017, 2018 and 2019 (2.9%, 2.8% and 2.7%, respectively) are less than the 2014 NO_x reduction (3.6%). A key reason for this decline is that between 2014 and 2020 federal regulations progressively lowered gasoline sulfur levels. These lower gasoline sulfur levels significantly reduced the NO_x emissions from gasoline-powered vehicles (most of which are subject to the WVIP), thus, providing a smaller share of on-road emissions from vehicles subject to the WVIP and a larger share of on-road emissions from vehicles not subject to the WVIP (e.g., most heavy-duty diesel-powered trucks). This decreasing share is reflected in the above table, which shows that in 2014 the share of NO_x emissions from light-duty vehicles was 54%, but by 2019 it was less than 40%.

6. Because of the COVID-19 pandemic, emission reductions from the WVIP were less in 2020 than in 2019. The main reason for the decrease was a lower rate of compliance in 2020 because of the pandemic (79.2% compliance rate in 2020, in comparison to an 84.7% compliance rate in 2019). Another reason, which especially affects NO_x, is that the reduced light-duty travel resulting from the pandemic lead to a larger share of emissions from vehicles not subject to the WVIP.

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

Ozone: Ground-level ozone concentrations in southeastern Wisconsin have dropped significantly since the year 2000, as shown in the figure below. During the late 1990s and early 2000s, maximum ozone design values ranged from 0.092 parts per million (ppm) to 0.101 ppm in the WVIP area. These values have since decreased markedly, to a peak design value of 0.075 ppm for the years 2018 to 2020.

During that period, U.S. EPA has repeatedly lowered the level of the 8-hour ozone standard, from 0.08 ppm in 1997 to 0.070 ppm in 2015. Wisconsin has made the following progress in meeting these standards:

- **1997 Ozone Standard (0.08 ppm, rounds to 0.084 ppm):** Ten counties in eastern Wisconsin (including all seven in the WVIP) were designated as nonattainment for the 1997 standard. All but one of these counties (Sheboygan County) were redesignated to attainment before the standard was revoked in 2015.
- **2008 Ozone Standard (0.075 ppm):** Two areas of the state, Sheboygan County and eastern Kenosha County, were designated nonattainment for the 2008 standard. Effective July 10, 2020, the U.S. EPA redesignated all of Sheboygan County to

attainment of the 2008 standard as a result of the lower ozone levels in this area, which attained this standard.

- **2015 Ozone Standard (0.070 ppm):** Effective August 3, 2018, the U.S. EPA designated nonattainment areas under the more stringent 2015 ozone standard. These nonattainment areas comprised narrow parts of six eastern Wisconsin counties (Kenosha, Milwaukee, Ozaukee, Sheboygan, Manitowoc and Door). Effective June 10, 2020, the U.S. EPA redesignated the nonattainment area within Door County to attainment of the 2015 standard as a result of the lower ozone levels in this area, which attained this standard. Effective July 14, 2021, EPA revised Wisconsin's 2015 ozone standard designations to expand the nonattainment areas in the abovementioned counties as well as include parts of Racine, Waukesha, and Washington counties.

The WVIP will play an important, ongoing role in the state's efforts to attain the ozone standards in the current nonattainment areas and to maintain attainment throughout all of eastern Wisconsin.

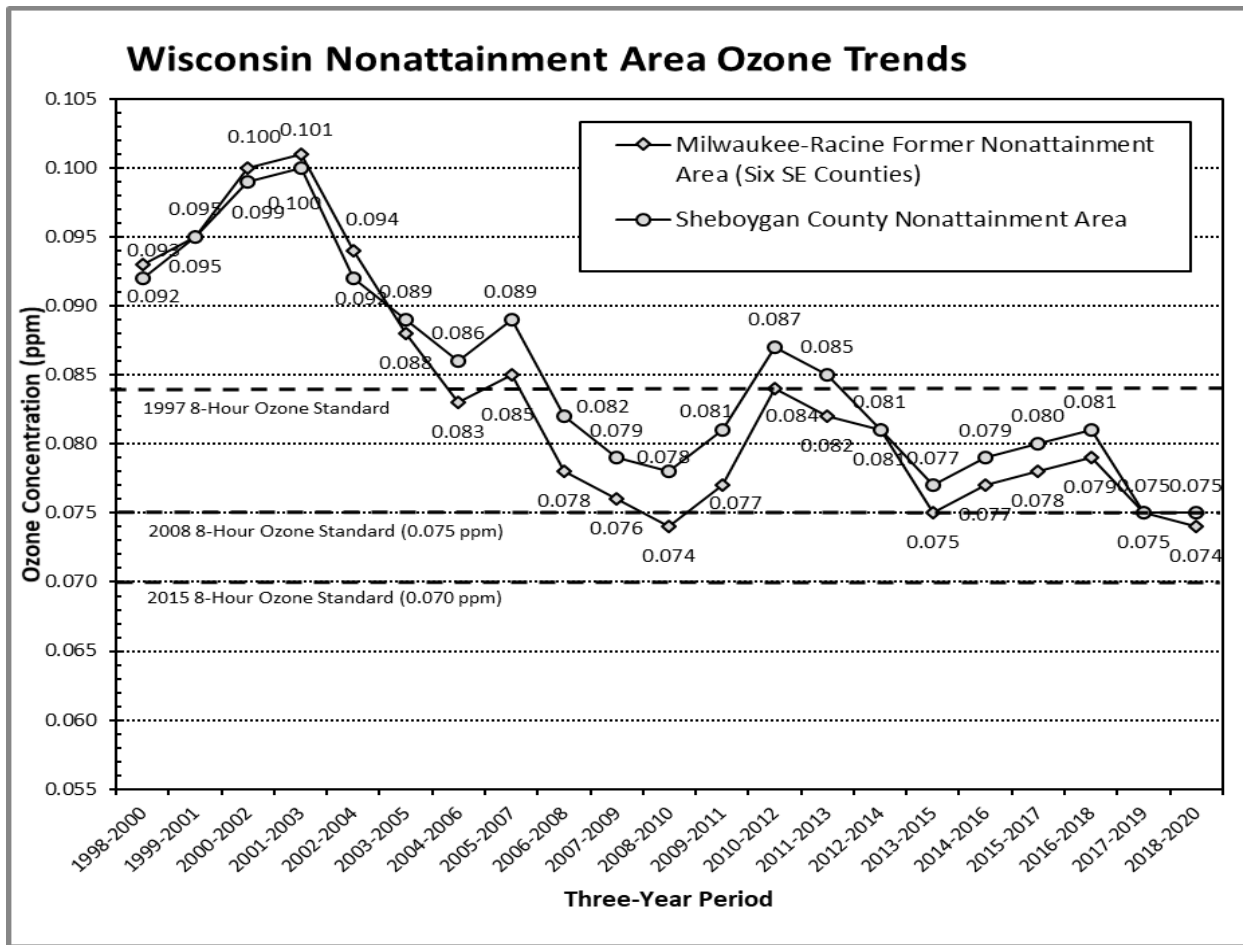


Figure 1. Trends in ozone design values for the Wisconsin Vehicle Inspection Program area. The highest value in the area is shown in each case. Note that since temperature has a strong influence on ozone concentrations, the values are highest for the time periods including hot summers, most notably the years 2002 and 2012.

Note: The "6 SE Counties" are Kenosha, Milwaukee, Ozaukee, Racine, Washington and Waukesha counties.

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. 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, national fuel standards, utility and industrial source controls, and gasoline vapor recovery controls.

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, national fuel standards, 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.

MODEL YEAR	<i>Passenger Car</i>	<i>SUV</i>	<i>Truck</i>	<i>Van</i>	<i>Grand Total</i>
1996	1,044	129	329	46	1,548
1997	3,945	472	1,704	191	6,312
1998	1,398	237	519	71	2,225
1999	7,882	1,236	2,265	369	11,752
2000	2,998	445	866	195	4,504
2001	12,835	1,760	3,849	681	19,125
2002	4,598	956	1,141	296	6,991
2003	21,670	3,425	4,778	1,160	31,033
2004	6,360	1,439	1,316	392	9,507
2005	31,785	4,778	5,299	2,194	44,056
2006	8,276	1,511	1,061	630	11,478
2007	41,181	6,096	5,745	1,927	54,949
2008	9,491	2,080	1,408	672	13,651
2009	34,395	4,194	3,733	1,180	43,502
2010	7,790	1,707	1,028	517	11,042
2011	44,302	7,854	6,452	1,754	60,362
2012	9,595	2,125	1,285	608	13,613
2013	58,341	9,557	7,377	2,256	77,531
2014	10,220	2,732	1,784	669	15,405
2015	60,140	17,638	10,415	3,315	91,508
2016	4,124	1,533	964	577	7,198
2017	32,280	32,234	9,800	6,142	80,456
2018	1,299	1,438	424	203	3,364
2019	251	213	92	54	610

MODEL YEAR	<i>Passenger Car</i>	<i>SUV</i>	<i>Truck</i>	<i>Van</i>	<i>Grand Total</i>
2020	67	60	22	7	156
2021	5	7			12
GRAND TOTAL	416,272	105,856	73,656	26,106	621,890

INITIAL TESTS

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

MODEL YEAR	PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
1996	1,032	117	322	44	1,515
INITIAL FAIL	76	23	35	5	139
INITIAL PASS	956	94	287	39	1,376
FAILURE RATE	7.36%	19.66%	10.87%	11.36%	9.17%
1997	3,930	468	1,701	187	6,286
INITIAL FAIL	280	37	127	15	459
INITIAL PASS	3,650	431	1,574	172	5,827
FAILURE RATE	7.12%	7.91%	7.47%	8.02%	7.30%
1998	1,330	203	479	58	2,070
INITIAL FAIL	152	25	45	2	224
INITIAL PASS	1,178	178	434	56	1,846
FAILURE RATE	11.43%	12.32%	9.39%	3.45%	10.82%
1999	7,872	1,213	2,270	365	11,720
INITIAL FAIL	705	106	154	28	993
INITIAL PASS	7,167	1,107	2,116	337	10,727
FAILURE RATE	8.96%	8.74%	6.78%	7.67%	8.47%
2000	2,882	384	831	165	4,262
INITIAL FAIL	303	38	67	13	421
INITIAL PASS	2,579	346	764	152	3,841
FAILURE RATE	10.51%	9.90%	8.06%	7.88%	9.88%
2001	12,573	1,682	3,827	663	18,745
INITIAL FAIL	1,204	145	266	90	1,705
INITIAL PASS	11,369	1,537	3,561	573	17,040
FAILURE RATE	9.58%	8.62%	6.95%	13.57%	9.10%
2002	4,356	777	1,080	257	6,470
INITIAL FAIL	529	87	84	32	732
INITIAL PASS	3,827	690	996	225	5,738
FAILURE RATE	12.14%	11.20%	7.78%	12.45%	11.31%
2003	21,662	3,333	4,828	1,144	30,967
INITIAL FAIL	1,772	226	287	85	2,370
INITIAL PASS	19,890	3,107	4,541	1,059	28,597

MODEL YEAR		PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
	FAILURE RATE	8.18%	6.78%	5.94%	7.43%	7.65%
2004		6,239	1,210	1,266	311	9,026
	INITIAL FAIL	544	91	82	19	736
	INITIAL PASS	5,695	1,119	1,184	292	8,290
	FAILURE RATE	8.72%	7.52%	6.48%	6.11%	8.15%
2005		32,142	4,688	5,381	2,169	44,380
	INITIAL FAIL	2,068	271	240	127	2,706
	INITIAL PASS	30,074	4,417	5,141	2,042	41,674
	FAILURE RATE	6.43%	5.78%	4.46%	5.86%	6.10%
2006		8,247	1,222	1,048	546	11,063
	INITIAL FAIL	683	94	69	36	882
	INITIAL PASS	7,564	1,128	979	510	10,181
	FAILURE RATE	8.28%	7.69%	6.58%	6.59%	7.97%
2007		41,923	5,989	5,854	1,892	55,658
	INITIAL FAIL	1,942	281	259	96	2,578
	INITIAL PASS	39,981	5,708	5,595	1,796	53,080
	FAILURE RATE	4.63%	4.69%	4.42%	5.07%	4.63%
2008		9,768	1,670	1,358	568	13,364
	INITIAL FAIL	552	62	63	40	717
	INITIAL PASS	9,216	1,608	1,295	528	12,647
	FAILURE RATE	5.65%	3.71%	4.64%	7.04%	5.37%
2009		35,168	4,134	3,798	1,166	44,266
	INITIAL FAIL	1,180	129	113	64	1,486
	INITIAL PASS	33,988	4,005	3,685	1,102	42,780
	FAILURE RATE	3.36%	3.12%	2.98%	5.49%	3.36%
2010		8,189	1,369	1,023	409	10,990
	INITIAL FAIL	351	53	32	23	459
	INITIAL PASS	7,838	1,316	991	386	10,531
	FAILURE RATE	4.29%	3.87%	3.13%	5.62%	4.18%
2011		45,426	7,894	6,579	1,751	61,650
	INITIAL FAIL	1,084	160	110	57	1,411
	INITIAL PASS	44,342	7,734	6,469	1,694	60,239
	FAILURE RATE	2.39%	2.03%	1.67%	3.26%	2.29%
2012		10,245	1,701	1,275	518	13,739
	INITIAL FAIL	241	35	21	25	322
	INITIAL PASS	10,004	1,666	1,254	493	13,417
	FAILURE RATE	2.35%	2.06%	1.65%	4.83%	2.34%
2013		59,935	9,622	7,553	2,266	79,376
	INITIAL FAIL	974	106	124	61	1,265
	INITIAL PASS	58,961	9,516	7,429	2,205	78,111
	FAILURE RATE	1.63%	1.10%	1.64%	2.69%	1.59%
2014		10,981	2,241	1,794	590	15,606
	INITIAL FAIL	187	21	29	14	251

MODEL YEAR	PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
INITIAL PASS	10,794	2,220	1,765	576	15,355
FAILURE RATE	1.70%	0.94%	1.62%	2.37%	1.61%
2015	61,412	17,630	10,602	3,309	92,953
INITIAL FAIL	534	77	90	24	725
INITIAL PASS	60,878	17,553	10,512	3,285	92,228
FAILURE RATE	0.87%	0.44%	0.85%	0.73%	0.78%
2016	4,314	1,425	964	546	7,249
INITIAL FAIL	56	14	13	9	92
INITIAL PASS	4,258	1,411	951	537	7,157
FAILURE RATE	1.30%	0.98%	1.35%	1.65%	1.27%
2017	33,035	32,288	9,879	6,145	81,347
INITIAL FAIL	250	39	36	20	345
INITIAL PASS	32,785	32,249	9,843	6,125	81,002
FAILURE RATE	0.76%	0.12%	0.36%	0.33%	0.42%
2018	1,440	1,348	421	189	3,398
INITIAL FAIL	12	0	0	1	13
INITIAL PASS	1,428	1,348	421	188	3,385
FAILURE RATE	0.83%	0.0%	0.0%	0.53%	0.38%
2019	266	207	92	53	618
INITIAL FAIL	0	1	0	1	2
INITIAL PASS	266	206	92	52	616
FAILURE RATE	0.0%	0.48%	0.0%	1.89%	0.32%
2020	152	57	22	5	236
INITIAL FAIL	0	0	0	0	0
INITIAL PASS	152	57	22	5	236
FAILURE RATE	0.0%	0.0%	0.0%	0.0%	0.0%
2021	6	6	0	0	12
INITIAL FAIL	0	0			0
INITIAL PASS	6	6			12
FAILURE RATE	0.0%	0.0%	--	--	0.0%
TOTAL TESTS	424,525	102,878	74,247	25,316	626,966
INITIAL FAIL	15,679	2,121	2,346	887	21,033
INITIAL PASS	408,846	100,757	71,901	24,429	605,933
FAILURE RATE	3.69%	2.06%	3.16%	3.50%	3.35%

RETEST RESULTS

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

Model Year	Passenger Car	SUV	Truck	Van	Grand Total
1996	51	9	23	2	85
Fail	17	4	8	0	29
Pass	34	5	15	2	56
Fail Rate	33.33%	44.44%	34.78%	0.0%	34.12%
Pass Rate	66.67%	55.56%	65.22%	100.0%	65.88%
1997	163	15	89	9	276
Fail	39	2	14	1	56
Pass	124	13	75	8	220
Fail Rate	23.93%	13.33%	15.73%	11.11%	20.29%
Pass Rate	76.07%	86.67%	84.27%	88.89%	79.71%
1998	97	17	39	5	158
Fail	27	5	10	2	44
Pass	70	12	29	3	114
Fail Rate	27.84%	29.41%	25.64%	40.00%	27.85%
Pass Rate	72.16%	70.59%	74.36%	60.00%	72.15%
1999	398	59	83	13	553
Fail	86	11	19	3	119
Pass	312	48	64	10	434
Fail Rate	21.61%	18.64%	22.89%	23.08%	21.52%
Pass Rate	78.39%	81.36%	77.11%	76.92%	78.48%
2000	189	20	46	9	264
Fail	56	6	7	6	75
Pass	133	14	39	3	189
Fail Rate	29.63%	30.00%	15.22%	66.67%	28.41%
Pass Rate	70.37%	70.00%	84.78%	33.33%	71.59%
2001	597	64	141	39	841
Fail	146	19	31	13	209
Pass	451	45	110	26	632
Fail Rate	24.46%	29.69%	21.99%	33.33%	24.85%
Pass Rate	75.54%	70.31%	78.01%	66.67%	75.15%
2002	315	53	52	11	431
Fail	96	13	9	4	122
Pass	219	40	43	7	309
Fail Rate	30.48%	24.53%	17.31%	36.36%	28.31%
Pass Rate	69.52%	75.47%	82.69%	63.64%	71.69%
2003	1,015	129	165	47	1,356
Fail	172	29	23	9	233

<i>Model Year</i>	<i>Passenger Car</i>	<i>SUV</i>	<i>Truck</i>	<i>Van</i>	<i>Grand Total</i>
Pass	843	100	142	38	1,123
Fail Rate	16.95%	22.48%	13.94%	19.15%	17.18%
Pass Rate	83.05%	77.52%	86.06%	80.85%	82.82%
2004	370	57	48	15	490
Fail	105	11	7	2	125
Pass	265	46	41	13	365
Fail Rate	28.38%	19.30%	14.58%	13.33%	25.51%
Pass Rate	71.62%	80.70%	85.42%	86.67%	74.49%
2005	1,166	153	146	71	1,536
Fail	215	24	23	13	275
Pass	951	129	123	58	1,261
Fail Rate	18.44%	15.69%	15.75%	18.31%	17.90%
Pass Rate	81.56%	84.31%	84.25%	81.69%	82.10%
2006	415	48	48	20	531
Fail	98	8	6	6	118
Pass	317	40	42	14	413
Fail Rate	23.61%	16.67%	12.50%	30.00%	22.22%
Pass Rate	76.39%	83.33%	87.50%	70.00%	77.78%
2007	1,200	170	170	66	1,606
Fail	204	38	16	9	267
Pass	996	132	154	57	1,339
Fail Rate	17.00%	22.35%	9.41%	13.64%	16.63%
Pass Rate	83.00%	77.65%	90.59%	86.36%	83.37%
2008	381	58	50	19	508
Fail	81	13	9	5	108
Pass	300	45	41	14	400
Fail Rate	21.26%	22.41%	18.00%	26.32%	21.26%
Pass Rate	78.74%	77.59%	82.00%	73.68%	78.74%
2009	705	85	75	39	904
Fail	98	10	10	8	126
Pass	607	75	65	31	778
Fail Rate	13.90%	11.76%	13.33%	20.51%	13.94%
Pass Rate	86.10%	88.24%	86.67%	79.49%	86.06%
2010	264	41	26	14	345
Fail	43	9	3	1	56
Pass	221	32	23	13	289
Fail Rate	16.29%	21.95%	11.54%	7.14%	16.23%
Pass Rate	83.71%	78.05%	88.46%	92.86%	83.77%
2011	671	85	57	33	846
Fail	71	9	10	3	93
Pass	600	76	47	30	753
Fail Rate	10.58%	10.59%	17.54%	9.09%	10.99%
Pass Rate	89.42%	89.41%	82.46%	90.91%	89.01%

<i>Model Year</i>	<i>Passenger Car</i>	<i>SUV</i>	<i>Truck</i>	<i>Van</i>	<i>Grand Total</i>
2012	186	13	18	17	234
Fail	20	1	3	3	27
Pass	166	12	15	14	207
Fail Rate	10.75%	7.69%	16.67%	17.65%	11.54%
Pass Rate	89.25%	92.31%	83.33%	82.35%	88.46%
2013	610	78	72	43	803
Fail	64	9	8	4	85
Pass	546	69	64	39	718
Fail Rate	10.49%	11.54%	11.11%	9.30%	10.59%
Pass Rate	89.51%	88.46%	88.89%	90.70%	89.41%
2014	132	20	23	10	185
Fail	18	4	1	0	23
Pass	114	16	22	10	162
Fail Rate	13.64%	20.00%	4.35%	0.0%	12.43%
Pass Rate	86.36%	80.00%	95.65%	100.0%	87.57%
2015	323	46	53	14	436
Fail	30	8	3	0	41
Pass	293	38	50	14	395
Fail Rate	9.29%	17.39%	5.66%	0.0%	9.40%
Pass Rate	90.71%	82.61%	94.34%	100.0%	90.60%
2016	43	4	10	6	63
Fail	4	0	0	1	5
Pass	39	4	10	5	58
Fail Rate	9.30%	0.0%	0.0%	16.67%	7.94%
Pass Rate	90.70%	100.0%	100.0%	83.33%	92.06%
2017	156	19	18	12	205
Fail	13	1	1	1	16
Pass	143	18	17	11	189
Fail Rate	8.33%	5.26%	5.56%	8.33%	7.80%
Pass Rate	91.67%	94.74%	94.44%	91.67%	92.20%
2018	5	0	0	1	6
Fail	1			0	1
Pass	4			1	5
Fail Rate	20.00%	--	--	0.0%	16.67%
Pass Rate	80.00%	--	--	100.0%	83.33%
Totals	9,452	1,243	1,452	515	12,662
Fail	1,704	234	221	94	2,253
Pass	7,748	1,009	1,231	421	10,409
Fail Rate	18.03%	18.83%	15.22%	18.25%	17.79%
Pass Rate	81.97%	81.17%	84.78%	81.75%	82.21%

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.

Subsequent Retest By MY	Passenger Car	SUV	Truck	Van	Grand Total
1996	24	4	7	2	37
Subsequent Retest Fail	17	1	5	1	24
Subsequent Retest Pass	7	3	2	1	13
Fail Rate	70.83%	25.00%	71.43%	50.00%	64.86%
Pass Rate	29.17%	75.00%	28.57%	50.00%	35.14%
1997	39	4	25	0	68
Subsequent Retest Fail	17	2	16		35
Subsequent Retest Pass	22	2	9		33
Fail Rate	43.59%	50.00%	64.00%	--	51.47%
Pass Rate	56.41%	50.00%	36.00%	--	48.53%
1998	32	2	12	2	48
Subsequent Retest Fail	14	0	3	1	18
Subsequent Retest Pass	18	2	9	1	30
Fail Rate	43.75%	0.0%	25.00%	50.00%	37.50%
Pass Rate	56.25%	100.0%	75.00%	50.00%	62.50%
1999	88	11	16	3	118
Subsequent Retest Fail	29	5	5	2	41
Subsequent Retest Pass	59	6	11	1	77
Fail Rate	32.95%	45.45%	31.25%	66.67%	34.75%
Pass Rate	67.05%	54.55%	68.75%	33.33%	65.25%
2000	75	11	17	5	108
Subsequent Retest Fail	32	3	7	0	42
Subsequent Retest Pass	43	8	10	5	66
Fail Rate	42.67%	27.27%	41.18%	0.0%	38.89%
Pass Rate	57.33%	72.73%	58.82%	100.0%	61.11%
2001	181	19	29	26	255
Subsequent Retest Fail	75	10	8	17	110
Subsequent Retest Pass	106	9	21	9	145
Fail Rate	41.44%	52.63%	27.59%	65.38%	43.14%
Pass Rate	58.56%	47.37%	72.41%	34.62%	56.86%
2002	147	20	14	13	194
Subsequent Retest Fail	57	9	4	5	75
Subsequent Retest Pass	90	11	10	8	119
Fail Rate	38.78%	45.00%	28.57%	38.46%	38.66%
Pass Rate	61.22%	55.00%	71.43%	61.54%	61.34%

Subsequent Retest By MY	Passenger Car	SUV	Truck	Van	Grand Total
2003	197	30	25	4	256
Subsequent Retest Fail	71	13	3	1	88
Subsequent Retest Pass	126	17	22	3	168
Fail Rate	36.04%	43.33%	12.00%	25.00%	34.38%
Pass Rate	63.96%	56.67%	88.00%	75.00%	65.63%
2004	132	23	15	1	171
Subsequent Retest Fail	41	9	2	0	52
Subsequent Retest Pass	91	14	13	1	119
Fail Rate	31.06%	39.13%	13.33%	0.0%	30.41%
Pass Rate	68.94%	60.87%	86.67%	100.0%	69.59%
2005	215	31	29	15	290
Subsequent Retest Fail	79	10	8	5	102
Subsequent Retest Pass	136	21	21	10	188
Fail Rate	36.74%	32.26%	27.59%	33.33%	35.17%
Pass Rate	63.26%	67.74%	72.41%	66.67%	64.83%
2006	165	22	7	8	202
Subsequent Retest Fail	77	13	0	3	93
Subsequent Retest Pass	88	9	7	5	109
Fail Rate	46.67%	59.09%	0.0%	37.50%	46.04%
Pass Rate	53.33%	40.91%	100.0%	62.50%	53.96%
2007	214	33	16	5	268
Subsequent Retest Fail	63	8	5	1	77
Subsequent Retest Pass	151	25	11	4	191
Fail Rate	29.44%	24.24%	31.25%	20.00%	28.73%
Pass Rate	70.56%	75.76%	68.75%	80.00%	71.27%
2008	131	23	12	8	174
Subsequent Retest Fail	42	11	3	4	60
Subsequent Retest Pass	89	12	9	4	114
Fail Rate	32.06%	47.83%	25.00%	50.00%	34.48%
Pass Rate	67.94%	52.17%	75.00%	50.00%	65.52%
2009	109	9	8	4	130
Subsequent Retest Fail	32	4	1	1	38
Subsequent Retest Pass	77	5	7	3	92
Fail Rate	29.36%	44.44%	12.50%	25.00%	29.23%
Pass Rate	70.64%	55.56%	87.50%	75.00%	70.77%
2010	68	13	4	2	87
Subsequent Retest Fail	29	4	0	1	34
Subsequent Retest Pass	39	9	4	1	53
Fail Rate	42.65%	30.77%	0.0%	50.00%	39.08%
Pass Rate	57.35%	69.23%	100.0%	50.00%	60.92%
2011	67	13	7	11	98
Subsequent Retest Fail	17	3	2	6	28
Subsequent Retest Pass	50	10	5	5	70

Subsequent Retest By MY	Passenger Car	SUV	Truck	Van	Grand Total
Fail Rate	25.37%	23.08%	28.57%	54.55%	28.57%
Pass Rate	74.63%	76.92%	71.43%	45.45%	71.43%
2012	38	2	4	2	46
Subsequent Retest Fail	10	0	1	0	11
Subsequent Retest Pass	28	2	3	2	35
Fail Rate	26.32%	0.0%	25.00%	0.0%	23.91%
Pass Rate	73.68%	100.0%	75.00%	100.0%	76.09%
2013	58	6	9	2	75
Subsequent Retest Fail	12	0	1	0	13
Subsequent Retest Pass	46	6	8	2	62
Fail Rate	20.69%	0.0%	11.11%	0.0%	17.33%
Pass Rate	79.31%	100.0%	88.89%	100.0%	82.67%
2014	34	2	1	0	37
Subsequent Retest Fail	8	0	0		8
Subsequent Retest Pass	26	2	1		29
Fail Rate	23.53%	0.0%	0.0%	--	21.62%
Pass Rate	76.47%	100.0%	100.0%	--	78.38%
2015	24	6	0	2	32
Subsequent Retest Fail	2	1		0	3
Subsequent Retest Pass	22	5		2	29
Fail Rate	8.33%	16.67%	--	0.0%	9.38%
Pass Rate	91.67%	83.33%	--	100.0%	90.63%
2016	7	1	2	2	12
Subsequent Retest Fail	3	0	0	1	4
Subsequent Retest Pass	4	1	2	1	8
Fail Rate	42.86%	0.0%	0.0%	50.00%	33.33%
Pass Rate	57.14%	100.0%	100.0%	50.00%	66.67%
2017	9	1	1	1	12
Subsequent Retest Fail	1	0	0	0	1
Subsequent Retest Pass	8	1	1	1	11
Fail Rate	11.11%	0.0%	0.0%	0.0%	8.33%
Pass Rate	88.89%	100.0%	100.0%	100.0%	91.67%
2018	1	0	0	0	1
Subsequent Retest Fail	1				1
Subsequent Retest Pass	0				0
Fail Rate	100.0%	--	--	--	100.0%
Pass Rate	0.00%	--	--	--	0.00%
Pass Rate	2,055	286	260	118	2,719
Subsequent Retest Fail	729	106	74	49	958
Subsequent Retest Pass	1,326	180	186	69	1,761
Fail Rate	35.47%	37.06%	28.46%	41.53%	35.23%
Pass Rate	64.53%	62.94%	71.54%	58.47%	64.77%

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 Jul 1, 2020, the repair cost limit for all model year vehicles subject to testing was \$918. The waiver repair cost limit was adjusted to \$935 on Jul 1, 2020. This figure is adjusted annually by the DNR per NR 485.045.

The following chart illustrates the cost waivers granted in 2020 by model year. Since mostly odd model year vehicles were tested in 2020, they account for the majority of the waivers.

Model Year	Initial Fail	Diagnostic Waiver	Cost Waiver	Grand Total	Waiver Rate
All 1996	195				
Passenger Car	110				--
SUV	29	0		0	--
Truck	48	0		0	--
Van	8	0		0	--

<i>Model Year</i>	<i>Initial Fail</i>	<i>Diagnostic Waiver</i>	<i>Cost Waiver</i>	<i>Grand Total</i>	<i>Waiver Rate</i>
All 1997	559	2	1		
Passenger Car	325	2		2	0.62%
SUV	54	0		0	--
Truck	158	0	1	1	0.63%
Van	22	0		0	--
All 1998	294				
Passenger Car	193				--
SUV	34	0		0	--
Truck	59	0		0	--
Van	8	0		0	--
All 1999	1,169		1		
Passenger Car	811		1	1	0.12%
SUV	140	0		0	--
Truck	179	0		0	--
Van	39	0		0	--
All 2000	551		2		
Passenger Car	392		2	2	0.51%
SUV	56	0		0	--
Truck	80	0		0	--
Van	23	0		0	--
All 2001	2,070		7		
Passenger Car	1,446		6	6	0.41%
SUV	197	0		0	--
Truck	305	0	1	1	0.33%
Van	122	0		0	--
All 2002	956		6		
Passenger Car	675		5	5	0.74%
SUV	142	0	1	1	0.70%
Truck	96	0		0	--
Van	43	0		0	--
All 2003	2,735	2	8		
Passenger Car	1,988	1	7	8	0.40%
SUV	322	0	1	1	0.31%
Truck	313	1		1	0.32%
Van	112	0		0	--
All 2004	947	2	6		
Passenger Car	668	1	5	6	0.90%
SUV	158	0		0	--
Truck	96	1	1	2	2.08%
Van	25	0		0	--
All 2005	3,126	3	13		
Passenger Car	2,356	3	12	15	0.64%
SUV	345	0	1	1	0.29%

<i>Model Year</i>	<i>Initial Fail</i>	<i>Diagnostic Waiver</i>	<i>Cost Waiver</i>	<i>Grand Total</i>	<i>Waiver Rate</i>
Truck	267	0		0	--
Van	158	0		0	--
All 2006	1,119		2		
Passenger Car	844		1	1	0.12%
SUV	151	0	1	1	0.66%
Truck	77	0		0	--
Van	47	0		0	--
All 2007	2,956		5		
Passenger Car	2,162		5	5	0.23%
SUV	377				--
Truck	280				--
Van	137				--
All 2008	909	1	3		
Passenger Car	639		1	1	0.16%
SUV	131		1	1	0.76%
Truck	78	1	1	2	2.56%
Van	61				--
All 2009	1,672		6		
Passenger Car	1,287		5	5	0.39%
SUV	191				--
Truck	124				--
Van	70		1	1	1.43%
All 2010	563		3		
Passenger Car	391		1	1	0.26%
SUV	102		2	2	1.96%
Truck	33				--
Van	37				--
All 2011	1,542		2		
Passenger Car	1,130		1	1	0.09%
SUV	212		1	1	0.47%
Truck	121				--
Van	79				--
All 2012	369		1		
Passenger Car	253				--
SUV	52				--
Truck	26		1	1	3.85%
Van	38				--
All 2013	1,372	1	1		
Passenger Car	1,029		1	1	0.10%
SUV	134				--
Truck	134				--
Van	75	1		1	1.33%
All 2014	286		1		

<i>Model Year</i>	<i>Initial Fail</i>	<i>Diagnostic Waiver</i>	<i>Cost Waiver</i>	<i>Grand Total</i>	<i>Waiver Rate</i>
Passenger Car	206		1	1	0.49%
SUV	33				--
Truck	28				--
Van	19				--
All 2015	770				
Passenger Car	511				--
SUV	132				--
Truck	90				--
Van	37				--
All 2016	101				
Passenger Car	54				--
SUV	20				--
Truck	13				--
Van	14				--
All 2017	360	2			
Passenger Car	182				--
SUV	97				--
Truck	39	2		2	5.13%
Van	42				--
All 2018	15				
Passenger Car	11				--
SUV	3				--
Truck	0				--
Van	1				--
All 2019	2				
Passenger Car	0				--
SUV	1				--
Truck	0				--
Van	1				--
All 2020	0				
Passenger Car	0				--
SUV	0				--
Truck	0				--
Van	0				--
All 2021	0				
Passenger Car	0				--
SUV	0				--
Grand Total	24,638	13	68	81	0.33%
Passenger Car	17,663	7	54	61	0.35%
SUV	3,113	0	8	8	0.26%
Truck	2,644	5	5	10	0.38%
Van	1,218	1	1	2	0.16%

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 CAR		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	104	49	29	18	48	27	8	6	189	100
1997	324	134	54	28	158	47	22	7	558	216
1998	193	98	34	17	60	27	8	2	295	144
1999	809	307	140	52	181	62	39	10	1,169	431
2000	390	195	56	24	83	36	23	12	552	267
2001	1,445	547	197	69	307	93	124	39	2,073	748
2002	677	321	144	67	101	49	43	18	965	455
2003	1,993	652	321	107	315	81	112	28	2,741	868
2004	665	307	159	65	94	38	25	10	943	420
2005	2,361	762	345	112	273	59	159	53	3,138	986
2006	847	401	151	63	78	31	47	24	1,123	519
2007	2,170	639	378	114	280	73	139	35	2,967	861
2008	641	282	131	54	76	25	61	26	909	387
2009	1,288	358	191	49	125	24	69	25	1,673	456
2010	389	150	100	36	32	7	37	12	558	205
2011	1,132	296	211	54	121	29	79	15	1,543	394
2012	254	99	52	21	25	7	38	10	369	137
2013	1,028	215	134	24	134	20	74	9	1,370	268
2014	205	80	33	10	30	5	19	4	287	99
2015	514	130	132	34	91	24	37	6	774	194
2016	54	23	20	5	13	4	14	4	101	36
2017	184	46	101	16	37	11	42	10	364	83
2018	11	5	3	3	0	0	1	0	15	8
2019	0	0	1	1	0	0	1	1	2	2
2020	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL	17,678	6,096	3,117	1,043	2,662	779	1,221	366	24,678	8,284

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	PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
1996	1,106	138	317	43	1,604
FAIL	110	30	48	8	196
PASS	996	108	269	35	1,408
FAIL RATE	9.95%	21.74%	15.14%	18.60%	12.22%
PASS RATE	90.05%	78.26%	84.86%	81.40%	87.78%
1997	4,134	502	1,651	168	6,455
FAIL	324	54	158	22	558
PASS	3,810	448	1,493	146	5,897
FAIL RATE	7.84%	10.76%	9.57%	13.10%	8.64%
PASS RATE	92.16%	89.24%	90.43%	86.90%	91.36%
1998	1,443	250	492	64	2,249
FAIL	193	34	60	8	295
PASS	1,250	216	432	56	1,954
FAIL RATE	13.37%	13.60%	12.20%	12.50%	13.12%
PASS RATE	86.63%	86.40%	87.80%	87.50%	86.88%
1999	8,378	1,307	2,118	338	12,141
FAIL	811	140	181	39	1,171
PASS	7,567	1,167	1,937	299	10,970
FAIL RATE	9.68%	10.71%	8.55%	11.54%	9.65%
PASS RATE	90.32%	89.29%	91.45%	88.46%	90.35%
2000	3,139	460	802	157	4,558
FAIL	392	56	83	23	554
PASS	2,747	404	719	134	4,004
FAIL RATE	12.49%	12.17%	10.35%	14.65%	12.15%
PASS RATE	87.51%	87.83%	89.65%	85.35%	87.85%
2001	13,479	1,788	3,548	612	19,427
FAIL	1,445	197	307	124	2,073
PASS	12,034	1,591	3,241	488	17,354
FAIL RATE	10.72%	11.02%	8.65%	20.26%	10.67%
PASS RATE	89.28%	88.98%	91.35%	79.74%	89.33%
2002	4,799	991	1,031	278	7,099
FAIL	677	144	101	43	965
PASS	4,122	847	930	235	6,134
FAIL RATE	14.11%	14.53%	9.80%	15.47%	13.59%
PASS RATE	85.89%	85.47%	90.20%	84.53%	86.41%
2003	22,952	3,565	4,437	1,070	32,024

MODEL YEAR	PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
FAIL	1,993	321	315	112	2,741
PASS	20,959	3,244	4,122	958	29,283
FAIL RATE	8.68%	9.00%	7.10%	10.47%	8.56%
PASS RATE	91.32%	91.00%	92.90%	89.53%	91.44%
2004	6,578	1,507	1,215	345	9,645
FAIL	665	159	94	25	943
PASS	5,913	1,348	1,121	320	8,702
FAIL RATE	10.11%	10.55%	7.74%	7.25%	9.78%
PASS RATE	89.89%	89.45%	92.26%	92.75%	90.22%
2005	33,591	5,022	5,131	2,060	45,804
FAIL	2,361	345	273	159	3,138
PASS	31,230	4,677	4,858	1,901	42,666
FAIL RATE	7.03%	6.87%	5.32%	7.72%	6.85%
PASS RATE	92.97%	93.13%	94.68%	92.28%	93.15%
2006	8,621	1,577	1,008	533	11,739
FAIL	847	151	78	47	1,123
PASS	7,774	1,426	930	486	10,616
FAIL RATE	9.82%	9.58%	7.74%	8.82%	9.57%
PASS RATE	90.18%	90.42%	92.26%	91.18%	90.43%
2007	43,268	6,480	6,070	2,061	57,879
FAIL	2,170	378	280	139	2,967
PASS	41,098	6,102	5,790	1,922	54,912
FAIL RATE	5.02%	5.83%	4.61%	6.74%	5.13%
PASS RATE	94.98%	94.17%	95.39%	93.26%	94.87%
2008	9,866	2,177	1,437	717	14,197
FAIL	641	131	76	61	909
PASS	9,225	2,046	1,361	656	13,288
FAIL RATE	6.50%	6.02%	5.29%	8.51%	6.40%
PASS RATE	93.50%	93.98%	94.71%	91.49%	93.60%
2009	35,965	4,401	3,905	1,253	45,524
FAIL	1,288	191	125	69	1,673
PASS	34,677	4,210	3,780	1,184	43,851
FAIL RATE	3.58%	4.34%	3.20%	5.51%	3.67%
PASS RATE	96.42%	95.66%	96.80%	94.49%	96.33%
2010	8,129	1,793	1,059	538	11,519
FAIL	390	100	34	37	561
PASS	7,739	1,693	1,025	501	10,958
FAIL RATE	4.80%	5.58%	3.21%	6.88%	4.87%
PASS RATE	95.20%	94.42%	96.79%	93.12%	95.13%
2011	46,048	8,250	6,664	1,867	62,829
FAIL	1,132	211	121	79	1,543
PASS	44,916	8,039	6,543	1,788	61,286
FAIL RATE	2.46%	2.56%	1.82%	4.23%	2.46%

MODEL YEAR	PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
PASS RATE	97.54%	97.44%	98.18%	95.77%	97.54%
2012	9,935	2,224	1,305	644	14,108
FAIL	254	52	25	38	369
PASS	9,681	2,172	1,280	606	13,739
FAIL RATE	2.56%	2.34%	1.92%	5.90%	2.62%
PASS RATE	97.44%	97.66%	98.08%	94.10%	97.38%
2013	60,423	10,028	7,673	2,373	80,497
FAIL	1,029	134	134	74	1,371
PASS	59,394	9,894	7,539	2,299	79,126
FAIL RATE	1.70%	1.34%	1.75%	3.12%	1.70%
PASS RATE	98.30%	98.66%	98.25%	96.88%	98.30%
2014	10,525	2,827	1,831	706	15,889
FAIL	205	33	30	19	287
PASS	10,320	2,794	1,801	687	15,602
FAIL RATE	1.95%	1.17%	1.64%	2.69%	1.81%
PASS RATE	98.05%	98.83%	98.36%	97.31%	98.19%
2015	61,432	18,030	10,668	3,406	93,536
FAIL	514	132	91	37	774
PASS	60,918	17,898	10,577	3,369	92,762
FAIL RATE	0.84%	0.73%	0.85%	1.09%	0.83%
PASS RATE	99.16%	99.27%	99.15%	98.91%	99.17%
2016	4,213	1,559	985	595	7,352
FAIL	54	20	13	14	101
PASS	4,159	1,539	972	581	7,251
FAIL RATE	1.28%	1.28%	1.32%	2.35%	1.37%
PASS RATE	98.72%	98.72%	98.68%	97.65%	98.63%
2017	32,797	32,658	9,903	6,255	81,613
FAIL	184	101	37	42	364
PASS	32,613	32,557	9,866	6,213	81,249
FAIL RATE	0.56%	0.31%	0.37%	0.67%	0.45%
PASS RATE	99.44%	99.69%	99.63%	99.33%	99.55%
2018	1,330	1,449	421	205	3,405
FAIL	11	3	0	1	15
PASS	1,319	1,446	421	204	3,390
FAIL RATE	0.83%	0.21%	0.0%	0.49%	0.44%
PASS RATE	99.17%	99.79%	100.0%	99.51%	99.56%
2019	258	214	92	55	619
FAIL	0	1	0	1	2
PASS	258	213	92	54	617
FAIL RATE	0.0%	0.47%	0.0%	1.82%	0.32%
PASS RATE	100.0%	99.53%	100.0%	98.18%	99.68%
2020	85	58	22	71	236
FAIL	0	0	0	0	0

MODEL YEAR	PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
PASS	85	58	22	71	236
FAIL RATE	0.0%	0.0%	0.0%	0.0%	0.0%
PASS RATE	100.0%	100.0%	100.0%	100.0%	100.0%
2021	5	7	0	0	12
FAIL	0	0			0
PASS	5	7			12
FAIL RATE	0.0%	0.0%	--	--	0.0%
PASS RATE	100.0%	100.0%	--	--	100.0%
GRAND TOTAL	432,499	109,262	73,785	26,414	641,960
FAIL	17,690	3,118	2,664	1,221	24,693
PASS	414,809	106,144	71,121	25,193	617,267
FAIL RATE	4.09%	2.85%	3.61%	4.62%	3.85%
PASS RATE	95.91%	97.15%	96.39%	95.38%	96.15%

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

There were no instances where the MIL was commanded on with no codes stored in 2020.

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 fault code indicating a problem within the vehicle that **had** met the threshold for activating the check engine light but 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 CAR	SUV	TRUCK	VAN	GRAND TOTAL
1996	116	15	37	6	174
1997	425	56	191	21	693
1998	195	33	69	5	302
1999	795	162	229	36	1,222
2000	321	61	110	21	513
2001	1,538	230	345	73	2,186
2002	636	120	122	32	910
2003	2,474	440	452	90	3,456
2004	892	197	140	44	1,273
2005	3,780	530	454	288	5,052
2006	1,159	204	110	75	1,548
2007	4,201	771	459	267	5,698
2008	1,059	260	157	86	1,562
2009	2,610	390	299	160	3,459
2010	645	141	85	65	936
2011	2,586	495	380	165	3,626
2012	652	146	83	62	943
2013	2,771	459	409	179	3,818
2014	436	118	94	33	681
2015	1,441	386	323	95	2,245
2016	116	35	42	25	218
2017	492	379	170	85	1,126
2018	20	7	2	2	31
2019	3	0	0	0	3
2020	1	0	0	0	1
2021	0	0	0	0	0
GRAND TOTAL	29,364	5,635	4,762	1,915	41,676

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 CAR	SUV	TRUCK	VAN	GRAND TOTAL
1996	106	26	45	8	185
1997	312	51	151	20	534
1998	189	33	58	8	288
1999	777	130	171	37	1,115
2000	371	53	73	22	519
2001	1,395	184	282	111	1,972
2002	653	133	92	42	920
2003	1,942	309	295	107	2,653
2004	647	154	90	24	915
2005	2,289	329	249	153	3,020
2006	835	147	75	44	1,101
2007	2,112	373	272	134	2,891
2008	620	127	76	61	884
2009	1,256	190	121	68	1,635
2010	383	97	33	37	550
2011	1,089	209	120	78	1,496
2012	246	49	23	37	355
2013	992	132	132	74	1,330
2014	199	32	26	19	276
2015	490	126	86	35	737
2016	53	20	13	14	100
2017	157	89	32	40	318
2018	7	3	0	1	11
2019	0	1	0	1	2
2020	0	0	0	0	0
2021	0	0	0	0	0
GRAND TOTAL	17,120	2,997	2,515	1,175	23,807

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

MODEL YEAR	PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
1996	1,019	118	268	39	1,444
1997	3,848	445	1,468	152	5,913
1998	1,331	206	441	63	2,041
1999	7,807	1,154	1,962	306	11,229
2000	2,990	398	739	153	4,280
2001	13,657	1,819	3,753	610	19,839
2002	4,739	986	1,064	287	7,076
2003	22,022	3,311	4,376	1,076	30,785
2004	6,365	1,424	1,270	329	9,388
2005	31,590	4,820	5,082	1,895	43,387
2006	8,084	1,514	935	482	11,015
2007	40,608	5,915	5,908	1,902	54,333
2008	9,397	2,014	1,449	660	13,520
2009	34,454	4,171	3,918	1,124	43,667
2010	7,879	1,702	1,064	508	11,153
2011	44,758	7,948	6,645	1,778	61,129
2012	9,701	2,161	1,358	617	13,837
2013	58,742	9,726	7,553	2,254	78,275
2014	10,358	2,752	1,877	708	15,695
2015	60,922	17,841	10,649	3,376	92,788
2016	4,188	1,528	1,006	598	7,320
2017	32,725	32,448	9,992	6,246	81,411
2018	1,315	1,451	435	207	3,408
2019	256	216	93	56	621
2020	87	64	22	71	244
2021	6	7	0	0	13
GRAND TOTAL	418,848	106,139	73,327	25,497	623,811

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 CAR	SUV	TRUCK	VAN	GRAND TOTAL
1996	141	25	33	12	211
1997	475	60	146	25	706
1998	289	28	75	11	403
1999	1,002	147	281	46	1,476
2000	580	52	123	31	786
2001	3,314	480	871	217	4,882
2002	1,337	282	265	90	1,974
2003	3,668	547	716	196	5,127
2004	1,412	277	289	62	2,040
2005	4,214	671	679	266	5,830
2006	1,538	326	130	69	2,063
2007	3,693	634	578	220	5,125
2008	1,270	237	250	101	1,858
2009	2,339	363	443	105	3,250
2010	792	166	132	70	1,160
2011	2,352	406	486	154	3,398
2012	662	139	165	77	1,043
2013	2,062	262	421	131	2,876
2014	463	70	166	53	752
2015	1,312	302	373	94	2,081
2016	137	22	78	40	277
2017	504	197	286	89	1,076
2018	14	11	15	4	44
2019	0	2	1	0	3
2020	3	1	0	0	4
2021	1	0	0	0	1
GRAND TOTAL	33,574	5,707	7,002	2,163	48,446

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.

PRIVATE INSPECTION FACILITIES OPERATING ON DECEMBER 31, 2020

Station Number	Company	Address	City	Zip
WIST8024	1 STOP AUTO & DETAILING SERVICE	4720 22nd AVE	Kenosha	53140
WIST2040	3 KINGS AUTO SALES INC	5701 75th St.	Kenosha	53142
WIST2030	A & J AUTOMOTIVE	8401 W. Hampton Ave	Milwaukee	53225
WIST5088	ABI AND SONS AUTOMOTIVE	817 44th St.	Kenosha	53140
WIST3003	ACCELERATED AUTO SERVICE	667 W. State St.	Burlington	53105
WIST1003	ALLENTON SERVICE	5908 Hillcrest Dr.	Allenton	53002
WIST7020	AMERICAN MUFFLER & AUTOMOTIVE	1008 S. Pine St.	Burlington	53105
WIST6042	AMPORT AUTO SERVICE	1324 White Rock Ave.	Waukesha	53186
WIST6007	ANDERSON AUTOMOTIVE	240 Highland Dr.	Fredonia	53021
WISTT003	AUTO ANALYZERS	8404 W. Greenfield Ave.	West Allis	53214
WIST2019	AUTOMOTIVE SOLUTIONS	215 Klein Lane	Saukville	53080
WIST1024	AUTOPLEX OF MILWAUKEE LLC	5130 W. Forest Home AVE	Milwaukee	53219
WIST8011	B TOWNE AUTO SERVICE	457 Falcon Ridge Dr	Burlington	53105
WIST7115	BLACK TIE AUTO SERVICES	584W21172 Janesville Rd	Muskego	53150
WIST5008	BOBS MAIN STREET AUTO-DECORAH	115 W. Decorah Rd	West Bend	53095
WIST4045	BOBS MAIN STREET AUTO-MAIN ST	1200 N Main St	West Bend	53090
WIST7140	BROOKFIELD AUTO CARE	12425 W. North AVE	Brookfield	53005
WIST7132	BROWN DEER TIRE & AUTO	4730 W Bradley Rd	Brown Deer	53223
WIST5087	BULLY DIESEL AND AUTOMOTIVE REPAIR	5512 75th St.	Kenosha	53142
WIST1012	BUTLER AUTO BODY	4830 N. 125th St.	Butler	53007
WIST3015	CARLTON AUTOMOTIVE INC	39 Center Ave.	Oostburg	53070
WIST1023	CHANGING LANES LLC	5700 W. Center	Milwaukee	53209
WIST5049	CHRIS AUTO SERVICE	14000 W. Greenfield Ave.	Brookfield	53005
WIST6004	CHUCK'S MAIN STREET AUTO	N64W23876 Main St.	Sussex	53089
WIST5055	CURRIE PARK AUTO CENTER	10745 W. Capitol Dr.	Wauwatosa	53222
WIST5005	DAVE'S GARAGE INC-GREENFIELD	5454 W. Forest Home Ave.	Greenfield	53220
WIST5045	DAVE'S TRUCK & 4X4 REPAIR, LLC- JACKSON	2993 Sherman Rd.	Jackson	53037
WIST1020	DONS GARAGE	11916 Antioch Rd	Trevor	53179
WIST5015	DURAND AUTOMOTIVE CENTER	1623 Durand Ave.	Racine	53403

Station Number	Company	Address	City	Zip
WIST6056	EAGLE AUTOMOTIVE PERFORMANCE LLC	3320 W. Howard Ave.	Milwaukee	53221
WIST6033	ERIC VON SCHELDORN-SAUKVILLE	805 E Green Bay Rd	Saukville	53080
WIST3021	ERIC VON SCHLEDORN-RANDOM LAKE	W4873 County Road RR	Random Lake	53075
WIST2017	EWALD CHEVROLET BUICK LLC-OCONOMOWOC	36833 E. Wisconsin Ave	Oconomowoc	53066
WIST5085	EWALD CHRYSLER JEEP DODGE RAM	6319 S 108th Street	Franklin	53132
WIST4064	EWALD HARTFORD FORD LLC	2570 E Sumner Street	Hartford	53027
WIST4040	EWALD VENUS FORD-CUDAHY	2727 E. Layton Ave.	Cudahy	53110
WIST7081	FARKAS AUTOMOTIVE INC	8008 N. Sherman	Brown Deer	53209
WIST5083	FIRST RATE AUTO SERVICE	5424 W. State St	Milwaukee	53208
WIST3022	FLEET 1	749 W State St	Milwaukee	53223
WIST6044	FLEET AUTO SALES & SERVICES LLC	7400 W. National Ave.	West Allis	53214
WIST7138	GAMINO'S AUTO REPAIR	6156 Douglas AVE	Racine	53402
WIST7092	G-BROCKS AUTO REPAIR	375 E. Ottawa Ave	Dousman	53118
WISTT0011	GENUINE MECHANICS	1453 N 40th	Sheboygan	53081
WIST6035	GOOD HOPE SERVICE	4230 W. Good Hope Rd.	Milwaukee	53209
WIST3005	GORDIE BOUCHER FORD LINCOLN-WEST BEND	3021 W. Washington St.	West Bend	53095
WIST7093	GORDON'S #1 WHEEL SERVICE	3595 N. 124 St.	Brookfield	53005
WIST5066	GRADYS BP	6272 S. Packard Ave	Cudahy	53110
WIST7135	GRAND MOTORSPORTS	W68N954 WASHINGTON AVE	Cedarburg	53012
WIST4058	GREITENS AUTO SERVICE	5804 W. Bluemound Rd	Milwaukee	53213
WIST6022	HALL AUTOMOTIVE	704 Bluemound Rd.	Waukesha	53189
WIST7016	HARTLAND SERVICE INC	400 Industrial Dr	Hartland	53029
WIST2015	HEISER TOYOTA/SCION INC	11301 W. Metro Blvd.	Milwaukee	53224
WIST7088	HOFFMAN'S AUTO & TIRE	4811 Greenbay Rd.	Kenosha	53144
WIST7129	HOPSON AUTOMOTIVE	W241 S4165 Pine Hollow Ct	Waukesha	53189
WIST8016	ITS ALL GOOD AUTO REPAIR	10125 W. Loomis Rd.	Franklin	53132
WIST8009	JACKSON SUPERLUBE	W213N16770 Glen Brook Dr	Jackson	53037
WIST8018	JEFFS AUTOMOTIVE-CUDAHY	5261 S. Nicholas Ave	Cudahy	53110
WISTT009	JERRY'S AUTOMOTIVE SERVICE LLC	W229N2467 Hwy F	Waukesha	53186
WIST8025	JESSE JAMES GARAGE LLC	4103 7TH AVE	Kenosha	53140
WIST1027	JIFFY LUBE-MILWAUKEE	3604 W. Lincoln AVE	Milwaukee	53215
WIST8023	JIFFY LUBE-MUSKEGO	S64 W15890 Commerce Center Parkway	Muskego	53150
WIST4063	JIMS AUTO SERVICE - PLYMOUTH	W4131 Main RD	Plymouth	53073
WIST4002	JOE'S SLINGER SERVICE LLC	220 Info Hwy. Crt.	Slinger	53086
WIST1026	JOHN AMATO CHRYSLER DODGE JEEP RAM	5900 N. Greenbay Rd	Glendale	53209
WIST3013	JOHN AMATO HYUNDAI INC.	8301 N. 76th St.	Milwaukee	53223
WIST7022	JOHN PAUL'S GREENFIELD BUICK GMC	3615 S. 108th St.	Greenfield	53228
WIST7134	KARLS GARAGE LLC	N6745B State Road 32	Sheboygan Falls	53085
WIST4051	KASTENSON AUTO	21445 Durand Ave	Union Grove	53182
WIST2033	KERNS ON 76TH	7960 N 76th Street	Milwaukee	53223
WIST3014	KOMP TECH AUTOMOTIVE & SERVICE	8832 W. Greenfield Ave.	West Allis	53214
WIST4003	KUSCH'S AUTOMOTIVE	136 N. 120th St.	Wauwatosa	53226
WIST5086	KWIKY LUBE PLUS	N88 W15220 Main Street	Menomonee Falls	53051

Station Number	Company	Address	City	Zip
WIST4049	LABELLE AUTO	N56W39413 Hwy 16	Oconomowoc	53066
WIST4061	LAKE COUNTRY AUTO CARE INC.	449 HICKORY STREET	Pewaukee	53072
WIST2025	LAKE SHORE MOBIL	2521 E. Capitol	Shorewood	53211
WIST4014	LAUBENHEIMERS GARAGE LLC	1860 Hwy 175, PO Box 36	Richfield	53076
WIST4032	LAUS TIRE & AUTO	5025 W. Villard Ave.	Milwaukee	53218
WIST4053	LIBERTY STREET AUTOMOTIVE	1600 Durand Ave	Racine	53403
WIST6013	LUTTER'S ELMBROOK AUTOMOTIVE	16880 Greenfield Ave.	Brookfield	53005
WIST3032	M & D AUTO SERVICES	W19 N5733 Becker Dr	Lannon	53046
WIST6001	M & M DOUGLAS PARK SERVICE CENTER INC	2101 Douglas Ave.	Racine	53402
WIST6055	M&J AUTO SALES AND SERVICE	3069 State HWY 83	Hartford	53027
WIST6021	MADDISON AUTOMOTIVE	219 N. Wales Rd.	Wales	53183
WIST7120	MANYO MOTORS	4035 N Green Bay Ave	Milwaukee	53209
WIST4057	MARKS MOBIL SERVICE LLC	12401 W. Cleveland Ave.	New Berlin	53151
WIST6026	MARTIN FORD SALES INC	19215 Spring St	Union Grove	53182
WIST3006	MARTIN'S AUTOMOTIVE SERVICE	W23058750 Wynn Dr	Big Bend	53103
WIST5053	MAYER AUTOMOTIVE LLC	W6082 Hwy W	Cascade	53011
WIST4060	MCDEVITTS TOWING AND SERVICE	5150 60th Street	Kenosha	53144
WIST4042	MEINEKE CAR CARE CENTER	4320 S 27TH ST	Milwaukee	53221
WIST2031	MEINEKE-RACINE	6006 21st Street	Racine	53406
WIST5077	MENOMONEE FALLS SUPER LUBE	N156 W8390 Pilgrim Rd	Menomonee Falls	53051
WIST3030	MERLIN 200,000 MILE SHOP	8601 75th St.	Kenosha	53142
WIST7103	MEYER MOTORS INC	107 Plaza Lane	Plymouth	53073
WIST6043	MIL-CITY MOTORS LLC	7169 W. Fond Du Lac Ave	Milwaukee	53218
WIST5079	MILLER MOTORS SALES INC	1196 Milwaukee Ave	Burlington	53105
WIST5090	MONTEZ AUTO REPAIR LLC	11321 W. Greenfield Ave.	West Allis	53214
WIST4062	MUFFLER MAGIC COMPLETE CAR CARE	9055 N 76th	Milwaukee	53223
WIST7094	MUSKEGO TIRE & AUTO	573W16610 Janesville Rd	Muskego	53150
WIST8004	NATIONAL AUTO TECH	630 W. National Ave	Milwaukee	53204
WIST7095	NATIONAL COMPLETE AUTO CARE	16405 W. National Ave.	New Berlin	53151
WIST7031	NELSON'S AUTOMOTIVE OF PEWAUKEE	N30 W22383 Green Rd.	Waukesha	53186
WIST7014	OAK CREEK AUTOMOTIVE INC	7948 S. 27th St.	Oak Creek	53154
WIST5004	O'GORMANS WEST TOWN AUTO	7105 W. North Ave.	Wauwatosa	53213
WIST5029	PALMEN BUICK, GMC, CADILLAC	7110 74th Place	Kenosha	53142
WIST7004	PASSEHL'S BP	4625 Taylor Ave.	Racine	53405
WIST6018	PAULS BENDER CENTER	8313 22nd Ave.	Kenosha	53143
WIST7033	PINKALLA AUTO SOLUTIONS	3059 Durand Ave.	Racine	53403
WIST2021	PORT WASHINGTON SUPERLUBE	1610 N Wisconsin St	Port Washington	53074
WIST5017	PRO AUTO CENTER	303 E. Monroe Ave.	Hartford	53027
WIST4031	R & R AUTOMOTIVE	6930 39th Ave.	Kenosha	53142
WIST8008	R.K. MOTORS	3700 N Holton St	Milwaukee	53212
WIST7036	RACINE AUTO SPECIALIST	2320 Douglas Ave.	Racine	53402
WIST7039	RICHFIELD SERVICE	1810 Wolf Rd	Richfield	53076
WIST7041	RICHLONNS TIRE & SERVICE-GREENDALE	5131 S. 76th St.	Greendale	53129

Station Number	Company	Address	City	Zip
WIST5037	RICHLONNS TIRE & SERVICE-GREENFIELD	4440 S. 108th St.	Greenfield	53228
WIST7040	RICHLONNS TIRE & SERVICE-MUSKEGO	578W18755 Janesville Rd	Muskego	53150
WIST7042	RICHLONNS TIRE & SERVICE-WAUKESHA	2480 W. Sunset Dr.	Waukesha	53189
WIST4050	RICK'S CAR CARE	6121 W Mequon Rd	Mequon	53092
WIST3035	RIGHTEOUS AUTOS INC.	6142 Douglas Ave	Racine	53402
WIST7045	RIVERS EDGE OIL&TIRE- MUKWONAGO	811 S. Rochester St.	Mukwonago	53149
WIST2029	ROAD RUNNER EXPRESS	5275 S. Moorland Rd.	New Berlin	53151
WIST5058	RUBY ISLE AUTO	11137 W. Silver Spring Dr.	Milwaukee	53225
WIST5003	RUSS DARROW CHRYSLER JEEP DODGE-METRO AUTO MALL	10901 W METRO AUTO MALL	Milwaukee	53223
WIST7006	RUSS DARROW CHRYSLER WEST BEND	3210 W. Washington St.	West Bend	53095
WIST7009	RUSS DARROW HONDA-METRO AUTO MALL	10851 W. Metro Auto Mall	Milwaukee	53224
WIST7086	RUSS DARROW KIA OF WAUKESHA	2141 E. Moreland Blvd	Waukesha	53186
WIST4026	RUSS DARROW KIA OF WAUWATOSA	1901 N. Mayfair Rd	Wauwatosa	53226
WIST5023	RUSS DARROW MITSUBISHI-WAUKESHA	W226S1700 Hwy 164	Waukesha	53186
WIST5044	RUSS DARROW NISSAN LLC-METRO BLVD	11212 W Metro Blvd	Milwaukee	53224
WIST2032	RUSS DARROW NISSAN OF WEST BEND LLC	2665 W Washington Ave	West Bend	53095
WIST7049	RUSS DARROW TOYOTA-WEST BEND	2700 W. Washington St.	West Bend	53095
WIST7137	RUTTERS AUTOMOTIVE SERVICE LLC	7550 W. Appleton Ave	Milwaukee	53216
WIST7011	SALEM AUTO SERVICE	8515 Antioch Rd	Salem	53168
WISTT0010	SAMS AUTO SHOP	4315 Byrd Ave	Racine	53405
WISTT005	SCHAEFERS SERVICE CENTER INC	1130 E. Commerce Blvd	Slinger	53086
WIST5084	SHEBOYGAN AUTO HELPERS	3667 S Taylor Drive	Sheboygan	54081
WIST5081	SHEBOYGAN CHEVROLET	3400 S. Business Dr.	Sheboygan	53081
WIST7098	SHOREWOOD AUTO REPAIR	1330 E. Capitol Dr.	Shorewood	53211
WIST2038	SILVER LAKE AUTO & TIRE CENTER	15650 W. National Ave	New Berlin	53151
WIST7052	SILVER LAKE AUTO & TIRE CENTER- OCONOMOWOC	36355 E. Wisconsin Ave.	Oconomowoc	53066
WIST8001	SILVER LAKE AUTO CENTER INC-HARTLAND	N76W30620 HWY VV	Hartland	53029
WIST7053	SILVER LAKE AUTO SERVICE-SILVER LAKE	551 N. Cogswell Dr.	Silver Lake	53170
WIST7055	SOUTH MILWAUKEE CAR CARE CENTER	1221 N. Chicago Ave.	South Milwaukee	53172
WIST7056	SOUTHTOWN TIRE & AUTO	2906 S. 108th St.	West Allis	53227
WIST6054	SUNSET AUTO SERVICE	1194 FOND DU LAC AVE	Sheboygan Falls	53085
WIST2035	TECH WAY AUTO	4004 S. Kinnickinnic Ave.	St Francis	53235
WIST1016	TENLEY AUTO	9208 W Capitol Dr	Milwaukee	53222
WIST7061	THEEL AUTO INC.	N8364 County Rd J	Elkhart Lake	53020
WIST7123	TIRES PLUS - KENOSHA	7424 74th Place	Kenosha	53142
WIST2028	TIRES UNLIMITED AUTOMOTIVE SERVICES	1557 N. Wisconsin St.	Port Washington	53074
WIST6039	VALVOLINE - DELAFIELD	2325 Sun Valley Dr	Delafield	53018
WIST7124	VALVOLINE - GLENDALE	6100 N Port Washington Rd	Glendale	53217
WIST3024	VALVOLINE - GREENFIELD	4839 S. 27th Street	Greenfield	53221
WIST6037	VALVOLINE - KENOSHA	3015 52nd St	Kenosha	53144
WIST7130	VALVOLINE - LAYTON	8008 W Layton Ave	Greenfield	53220
WIST2024	VALVOLINE - MAIN ST. WAUKESHA	1951 E Main St	Waukesha	53186
WIST8017	VALVOLINE CUDAHY	5912 Packard Ave	Cudahy	53110

Station Number	Company	Address	City	Zip
WIST6031	VALVOLINE INSTANT OIL CHANGE- MUSKEGO	W187S7825 Lions Park Dr	Muskego	53150
WIST3034	VALVOLINE SUSSEX	N65 W24922 Highway W	Sussex	53089
WIST5074	VALVOLINE-68TH ST.	112 S. 68th St.	Milwaukee	53214
WIST4054	VALVOLINE-PLYMOUTH	1950 Eastern Ave	Plymouth	53073
WIST7126	VALVOLINE-RACINE	5920 21st St	Racine	53405
WIST5089	VALVOLINE-WEST BEND	2795 E. Washington St.	West Bend	53095
WIST1022	VI AUTO REPAIR INC	1522 Wisconsin Ave.	Grafton	53024
WIST7068	WALES SUPER LUBE #421	120 W. Summit Ave	Wales	53183
WIST7070	WEISSMAN AUTOMOTIVE	W140N10455 Fond du Lac Ave.	Germantown	53022
WIST4048	WEST BEND SUPERLUBE	2353 W Washington St	West Bend	53095
WIST7106	WILDE TOYOTA	3225 S. 108 St.	West Allis	53227
WIST7073	WILMOT AUTO SERVICE INC	11307 Fox River Rd	Wilmot	53192
WIST1021	WISCO AUTOMOTIVE	496 Pine Street	Burlington	53105
WIST7075	WISCONSIN MUFFLER-NEW BERLIN	13320 W. College Ave.	New Berlin	53151
WIST7076	WJ KUHN AUTOMOTIVE CENTER INC	8511 S. Howell Ave.	Oak Creek	53154
WIST2039	ZWEKABIN AUTOMOTIVE SERVICE	3611 W. State St	Milwaukee	53208

PRIVATE INSPECTION FACILITIES DEACTIVATED IN 2020

DATE OF DEACTIVATION	STATION NUMBER	COMPANY	ADDRESS	CITY	ZIP
1/30/2020	WIST7023	Lisbon Sales & Services	7515 W. Lisbon Ave.	Milwaukee	53216
2/6/2020	WIST6034	New Berlin Tire	15650 W National Ave	New Berlin	53151
3/7/2020	WIST7127	Valvoline-Pewaukee	1812 Silvernail Rd	Pewaukee	53072
4/3/2020	WIST4017	F & F Tire World	2930 W. Rawson Ave.	Franklin	53132
4/3/2020	WIST5009	F & F Tire World	410 N. Moorland Rd	Brookfield	53005
4/3/2020	WIST5011	F & F Tire World	20120 Bluemound Rd.	Brookfield	53045
4/16/2020	WIST3018	Larry's Auto	6373 N 91st	Milwaukee	53225
5/6/2020	WISTT007	Sunset Auto Service	1194 Fond du lac ave	Sheboygan Falls	53085
5/26/2020	WIST4055	Munro's Auto Service	5048 S. 27th	Milwaukee	53221
6/17/2020	WIST2027	Pennzoil Pewaukee	1284 Capitol Dr.	Pewaukee	53072
7/1/2020	WIST2037	Jiffy Lube	7127 Durand ave	Sturtevant	53177
7/13/2020	WIST7136	Keno Collision & Service	7514 Sheridan Rd.	Kenosha	53143
7/17/2020	Wist7067	Village Tire & Auto	W172 N12185 Division Rd	Germantown	53022
8/5/2020	WIST7071	Welks Automotive	8333 W. Layton Ave.	Greenfield	53220
9/2/2020	WIST5080	Wrench Workz LLC	1285 Morgan Drive	Hubertus	53033
9/25/2020	WIST7072	Westside Auto Center	820 W. Sumner St.	Hartford	53027
10/13/2020	WIST6052	Take 5-Calumet	2757 Calumet Dr.	Sheboygan	53081
10/13/2020	WIST6051	Take 5-Indiana	1328 Indiana Ave.	Sheboygan	53081
10/13/2020	WIST6050	Take 5-Mukwonago	1146 N Rochester St	Mukwonago	53149
10/13/2020	WIST4067	Take 5-Taylor	3669 S. Taylor Dr.	Sheboygan	53081
10/13/2020	WIST6048	Take 5-Glendale	5450 N Port Washington Rd	Glendale	53217
10/13/2020	WIST1025	Take 5-Brown Deer	6942 W Brown Deer Rd	Milwaukee	53223
10/13/2020	WIST4066	Take 5-Capitol	7515 W Capitol Dr	Milwaukee	53216
10/13/2020	WIST6049	Take 5-Wauwatosa	6207 W North Ave	Wauwatosa	53213
10/13/2020	WIST6047	Take 5-Cedarburg	W62N271 Washington Ave	Cedarburg	53012
10/13/2020	WIST8020	Take 5-Hales Corners	5400 S. 108th St.	Hales Corners	53130
10/13/2020	WIST2036	Take 5-Racine	5428 Washington Ave	Racine	53406
10/13/2020	WIST3036	Take 5-New Berlin	15400 W National Ave	New Berlin	53151
10/13/2020	WIST6053	Take 5-Brookfield	14245 W. Capitol Dr.	Brookfield	53005
10/13/2020	WIST8021	Take 5-Waukesha	1557 E Moreland Blvd	Waukesha	53186
10/13/2020	WIST3037	Take 5-West Allis	3130 S 108th St	West Allis	53227
10/13/2020	WIST8022	Take 5-S. 27th st	4296 S. 27th st	Milwaukee	53221
12/1/2020	WIST7069	Silvernail Emissions	2210 Silvernail Rd	Pewaukee	53072
12/3/2020	WIST1029	Kenosha Nissan	8050 120th AVE	Kenosha	53142
12/11/2020	WIST5082	SDR Total Repair	3625 Roosevelt Road	Kenosha	53142

TECHNICAL ASSISTANCE CENTERS

STATION NUMBER	COMPANY	ADDRESS	CITY	ZIP
WISTT003	Auto Analyzers (TAC)	8404 W. Greenfield Ave.	West Allis	53214
WISTT005	Schaefer Service Center (TAC)	1130 E. Commerce Blvd	Slinger	53086
WISTT0011	Genuine Mechanics (TAC)	1453 N 40th St.	Sheboygan	53081
WISTT009	Jerry's Auto Service Inc. (TAC)	W229N2467 Hwy F	Waukesha	53186
WISTT0010	Sams Auto Shop (TAC)	4315 Byrd Avenue	Racine	53405

OVERT AND COVERT PERFORMANCE AUDITS

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

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.

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

(i) Receiving overt performance audits in the year: 194

(ii) Not receiving overt audits in the year: 20

(iii) Receiving covert audits in the year: 190

(iv) Not receiving covert audits in the year: 24

(v) That have been shut down as a result of overt performance audits: 0

COVERT AUDITS

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

There were 241 covert audits conducted in 2020.

FINES, SUSPENSION OR TERMINATION DUE TO AUDIT FAILURES

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

1 inspector and 0 stations were suspended, fined or prohibited from testing as a result of overt or covert audits.

8 inspectors and 0 stations 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 1,211 inspectors certified to conduct tests in 2020.

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 were 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 2020.
7 sites had 2 lanes

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 2370 equipment audits conducted in 2020.

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 2020.

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 637,632 vehicles selected (model years: 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016 and 2018) for notification in 2020. There were an additional estimated 142,593 vehicles selected for notification at change of ownership, for an estimated 780,225 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, 618,184 vehicles receiving mandatory inspections in 2020 received a pass, waiver or diagnostic waiver test result. This is an 79.23% 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 4,632 temporary plates issued in 2020. WisDOT Vehicle Emissions Inspection Unit issued 20 temporary exemptions, and DMV issued 99,692 temporary exemptions in 2020.

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.

One compliance survey was conducted in 2020. Of the 156 vehicles surveyed, 9(5.8%) were registered out of the program area. Of the 147 vehicles subject to emissions testing, 16 vehicles (10.9%) were not in compliance, resulting in a 89.1% compliance rate.

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 2020, WisDOT personnel completed investigations on 550 vehicles that listed domicile outside of the program area but were suspected of being kept in the program area. After receiving notification from WisDOT, 238 vehicles submitted to testing and received a passing result; 49 vehicles were suspended for failing to comply; 87 were junked or sold and 92 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.

In 2020, the compliance rate for mandatory testing requirements was 79.23%. 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.

Registration files are reviewed in conjunction with investigations of vehicles with domicile listed outside of the program area. Of the 3,138 registration files reviewed, 550 vehicles were observed in the program area, but were listed outside of the program area. After receiving notification from WisDOT, 238 vehicles submitted to testing and received a passing result; 49 vehicles were suspended for failing to comply; 87 were junked or sold and 92 provided verification that they were being kept outside of the program area.

Also, 156 registration files were reviewed in conjunction with a compliance survey. Of the 156 vehicles surveyed, 9(5.8%) were registered out of the program area. Of the 147 vehicles subject to emissions testing, 16 vehicles (10.9%) were not in compliance, resulting in a 89.1% compliance rate.

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

ADDITIONAL REPORTING REQUIREMENTS

BIENNIAL REPORT WISCONSIN VEHICLE EMISSIONS TESTING PROGRAM INSPECTION AND MAINTENANCE PROGRAM 2019 – 2020

INTRODUCTION

This report has been prepared for the U.S. Environmental Protection Agency (U.S. EPA), in compliance with the requirements of 40 CFR 51.366. The information in this report covers the reporting period of 2019-2020.

Since 1984, the DOT and DNR have jointly administered the Wisconsin Vehicle Inspection Program (WIVIP, or I/M PROGRAM). DNR establishes the emissions limitations and DOT administers the program. The program exists in response to requirements of the federal Clean Air Act, administered by U.S. EPA.

The WIVIP addresses violations of the 8-hour ozone and carbon monoxide National Ambient Air Quality Standards. The primary goals of this program are to identify and repair vehicles emitting excessive amounts of targeted air pollutants – carbon monoxide (CO), nitrogen oxides (NOx), and volatile organic compounds (VOCs). The program also reduces emissions of particulate matter and toxic chemicals such as benzene, 1-3 butadiene and formaldehyde.

The I/M program began operating as a basic program in Wisconsin's six-county "severe" ozone non-attainment area – Kenosha, Milwaukee, Ozaukee, Racine, Washington and Waukesha counties. The program expanded to Sheboygan County, designated a "moderate" ozone nonattainment area, in July 1993. Initially, all vehicle inspections consisted of measuring tailpipe emission levels. Since July of 2001, however, all model year 1996 and newer cars and light trucks receive inspections by scanning the vehicles' computerized second-generation on-board diagnostic (OBD-II) systems. In July 2008, the program dropped tailpipe testing entirely and thereby inspected all vehicles by scanning the OBD-II systems. This resulted from statutory changes in the 2007-2009 biennial budgets exempting from the vehicle inspection program the model years of vehicles not federally required to be equipped with the OBD-II technology (model year 1995 and older cars and light trucks and model year 2006 and older heavy trucks).

The WIVIP tested approximately 674,317 vehicles in 2019. The program's aggregate failure rate in 2017 (among pass and fail results) was 4.95%. In 2020, the WIVIP tested approximately 626,966 vehicles, and had an aggregate fail rate of 3.85%.

The primary mode of I/M program compliance enforcement in Wisconsin is denial of vehicle registration. Testable vehicles in the seven I/M counties must obtain either a passing emission inspection or a waiver before the owner can renew her/his registration. Upon completing the testing and registration renewal process, the motorist receives a license plate sticker indicating the month and year until which the registration remains valid.

Currently, motorists qualified to renew their registration may do so through the WisDOT Division of Motor Vehicles (DMV), at an emissions inspection station, or at one of numerous other authorized third-party DMV Agent sites. The latter include a variety of businesses, e.g. convenience marts, financial service centers, and some municipal offices. Motorists may also renew online.

USEPA Reporting Requirement: 40 CFR 51.366 (3)(1) Any changes made to the program design, funding, personnel levels, procedures, regulations, and legal authority with detailed discussion and evaluation of the impact on the program of all such changes

WAIVER REPAIR COST LIMIT RAISED

The waiver repair cost limit increased to \$935, effective July 1, 2020.

USEPA Reporting Requirement: 40 CFR 51.366 (3)(2)

Any weaknesses or problems identified in the program within the two-year reporting period, what steps have already been taken to correct these problems, the results of those steps, and any future efforts planned.

COVID 19 PANDEMIC IMPACTS

Wisconsin Governor Tony Evers issued an emergency Executive Order effective March 12, 2020 allowing for a 90 day extended deadline for vehicle emissions inspections. The Wisconsin Vehicle Inspection Program continued to provide emissions inspections through this time. The 90 day extension for vehicles whose emissions tests expired during the public health emergency ended on July 1, 2020. As of August 1, vehicles were required to pass an emissions test before registration renewal.

PROGRAM ISSUES IDENTIFIED AND CORRECTED

The Wisconsin DOT and Opus Inspection worked together on an ongoing basis to address and resolve any issues that arose during the operation of the vehicle inspection and maintenance program. The continuing communication between the parties results in no long-term issues.

40 CFR 51.366 (a)(3)
INITIAL TEST VOLUME BY MODEL YEAR AND STATION

Station ID	Total	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
WIST1003	1,344	1	24	2	26	8	41	9	70	9	108	20	110	22	79	15	152	19	174	37	194	20	193	10	0	1	0
WIST1012	946	3	21	4	25	6	33	14	64	7	72	21	98	25	80	15	90	16	107	20	99	14	104	6	2	0	0
WIST1016	470	1	8	1	9	6	20	9	18	11	48	11	47	15	24	8	48	11	46	9	62	5	53	0	0	0	0
WIST1020	747	1	10	3	18	6	43	20	47	16	47	19	59	22	40	13	53	16	86	25	91	15	92	5	0	0	0
WIST1021	1,453	5	15	7	33	10	50	13	86	28	107	20	89	28	94	22	135	33	194	41	218	17	192	12	3	1	0
WIST1022	2,398	6	31	4	47	6	58	12	105	18	156	24	195	40	184	21	276	35	343	44	391	20	367	13	1	1	0
WIST1023	1,422	13	21	8	39	25	61	54	99	75	131	89	135	74	92	60	84	38	116	29	95	8	70	5	1	0	0
WIST1024	1,345	2	15	6	26	11	66	19	82	37	107	43	118	47	81	49	124	47	146	49	134	16	110	8	2	0	0
WIST1025	3,116	16	25	19	61	28	93	53	184	77	263	74	304	115	233	76	301	84	324	87	374	36	278	7	3	0	1
WIST1026	2,247	5	11	7	19	6	39	9	48	17	104	32	163	27	152	34	220	47	303	80	415	43	419	35	2	9	1
WIST1027	10,397	53	191	69	307	150	535	224	825	280	1,058	353	1,123	364	760	282	814	321	955	270	833	68	501	47	11	2	1
WIST1029	1,066	4	9	4	14	4	16	9	29	12	59	8	55	5	67	18	119	20	154	23	212	7	211	4	1	2	0
WIST2015	3,471	13	27	5	47	13	89	35	141	47	230	54	294	80	261	77	345	77	427	98	499	37	519	40	13	3	0
WIST2017	1,534	5	9	1	15	3	32	6	34	8	83	15	97	12	99	21	146	36	224	45	316	27	284	14	1	1	0
WIST2019	637	1	6	2	13	6	26	7	38	11	43	8	48	10	54	11	46	21	77	16	83	15	84	11	0	0	0
WIST2021	7,446	13	91	26	147	46	235	83	391	107	593	125	657	137	488	112	738	140	940	162	1,089	87	974	52	9	4	0
WIST2024	5,506	13	46	12	94	31	172	41	266	77	378	100	493	123	425	83	588	112	721	145	817	65	679	20	5	0	0
WIST2025	4,078	11	20	12	42	19	93	29	143	33	243	65	341	80	316	69	421	64	628	86	703	26	619	7	5	3	0
WIST2027	1,388	0	3	4	20	9	25	8	38	16	92	12	98	20	76	18	154	28	202	30	268	17	246	2	2	0	0
WIST2028	3,719	7	36	8	72	21	118	34	176	34	303	50	341	51	279	46	356	59	438	75	600	45	536	31	3	0	0
WIST2029	5,625	5	31	9	59	16	107	41	222	57	346	77	449	78	443	77	549	114	850	121	1,025	57	859	26	6	1	0
WIST2030	1,775	4	15	11	55	37	68	48	137	69	177	63	178	77	120	43	130	41	165	38	167	14	110	7	1	0	0
Station ID	Total	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
WIST2031	5,252	17	49	18	101	30	155	57	236	83	356	93	446	89	351	80	517	125	679	149	837	70	673	31	6	3	1

40 CFR 51.366 (a)(3)
Initial Test Volume by Model Year and Station
From 1/1/2020 to 12/31/2020

WIST2032	428	1	2	1	7	0	5	0	11	5	20	7	22	9	15	5	45	12	55	11	78	7	103	5	2	0	0
WIST2033	366	0	4	11	3	9	15	10	18	12	38	18	39	24	22	12	21	10	26	8	35	4	24	1	2	0	0
WIST2035	4,917	10	50	15	103	35	145	57	288	68	411	99	464	88	376	85	496	104	577	118	677	55	569	21	2	4	0
WIST2036	845	6	5	6	25	7	30	10	53	22	53	16	71	21	61	18	83	21	87	14	128	7	97	2	0	2	0
WIST2037	336	0	1	1	2	5	9	5	10	9	17	7	22	7	24	9	32	4	46	17	49	8	49	2	1	0	0
WIST2038	513	2	3	0	2	2	7	1	13	5	24	12	40	6	36	14	55	17	64	32	69	11	83	14	0	1	0
WIST2039	698	4	6	5	21	9	29	10	36	23	60	22	93	28	57	21	46	18	58	15	75	7	48	6	0	1	0
WIST2040	891	1	9	4	14	4	30	11	44	7	71	11	86	23	51	18	94	15	108	31	129	14	105	9	1	1	0
WIST3003	1,256	5	8	9	33	12	53	21	73	20	105	25	104	12	103	13	115	22	139	32	171	13	157	8	1	1	1
WIST3005	3,062	7	26	5	44	6	98	25	133	20	182	38	224	54	216	38	312	66	409	70	470	29	563	24	3	0	0
WIST3006	1,861	7	15	7	48	8	74	21	107	28	152	40	181	37	141	23	171	29	216	26	299	12	214	4	1	0	0
WIST3013	4,805	17	34	22	79	42	167	76	269	86	302	118	441	138	308	108	485	128	596	135	570	78	563	29	10	4	0
WIST3014	8,417	45	103	41	184	103	337	140	526	174	769	182	828	254	576	200	753	223	948	215	961	67	747	34	6	1	0
WIST3015	3,320	13	21	14	68	17	99	36	205	32	262	51	341	57	203	56	341	69	439	80	467	34	380	30	3	2	0
WIST3018	351	1	14	1	8	10	13	7	23	19	31	15	26	19	20	4	28	8	31	6	30	9	26	0	0	1	1
WIST3021	2,116	3	16	5	35	15	60	24	133	34	142	28	187	41	130	35	215	56	280	68	283	36	271	17	1	1	0
WIST3022	142	2	2	0	4	4	19	2	5	3	22	0	22	5	13	1	21	1	8	0	3	1	1	2	0	1	0
WIST3024	4,927	13	63	25	103	56	196	99	337	117	435	149	447	174	400	135	426	140	504	155	454	79	402	12	5	1	0
WIST3030	2,663	8	14	3	25	11	56	17	98	26	152	37	225	58	167	48	252	43	347	70	515	33	432	22	3	1	0
WIST3032	537	0	11	0	10	3	17	6	27	7	39	9	58	16	16	8	48	12	68	20	77	8	75	2	0	0	0
WIST3034	849	2	7	4	8	3	20	3	30	10	41	11	56	5	48	18	97	15	116	20	164	17	151	2	0	1	0
WIST3035	587	2	4	2	9	6	13	5	23	10	34	9	40	9	43	10	58	13	70	11	96	3	111	2	4	0	0
WIST3036	783	0	7	1	12	2	25	7	40	10	46	6	55	20	64	12	82	19	117	13	120	6	117	1	0	1	0
WIST3037	712	2	8	2	13	5	25	12	36	13	55	12	73	19	59	15	65	13	90	15	94	8	74	3	1	0	0
WIST4002	1,396	1	20	2	21	13	50	14	76	19	74	15	126	33	94	17	148	32	165	32	234	22	177	9	1	1	0

40 CFR 51.366 (a)(3)
Initial Test Volume by Model Year and Station
From 1/1/2020 to 12/31/2020

WIST4003	6,283	6	58	16	83	38	193	67	277	73	396	122	566	147	462	121	604	139	864	160	961	76	810	35	8	1	0
WIST4014	1,138	1	12	5	41	7	48	12	76	13	99	15	99	27	75	21	106	17	131	13	149	7	159	5	0	0	0
WIST4017	2,036	2	13	3	39	11	49	16	87	25	129	28	152	28	141	22	201	55	293	42	364	36	296	4	0	0	0
WIST4026	3,611	2	23	6	38	11	45	20	108	24	180	46	237	46	229	44	367	76	581	93	667	57	659	40	8	3	1
WIST4031	10,625	33	171	62	281	116	448	145	625	201	927	245	1,006	247	736	197	956	242	1,138	265	1,328	98	1,101	44	7	6	0
WIST4032	7,842	37	112	66	217	145	384	237	549	329	733	349	899	394	478	241	549	209	586	186	615	69	429	15	9	5	0
WIST4040	3,958	10	40	7	73	31	110	39	186	44	241	60	340	69	285	61	393	71	520	115	615	48	568	22	9	1	0
WIST4042	6,519	19	87	29	136	58	278	97	412	128	565	185	650	179	492	160	605	162	725	192	735	55	538	22	9	1	0
WIST4045	2,932	5	27	10	55	17	111	34	147	35	226	59	265	48	196	44	286	51	378	79	427	30	382	18	2	0	0
WIST4048	6,034	15	39	20	87	37	183	61	267	102	421	108	552	133	389	100	634	134	794	145	934	78	770	27	3	1	0
WIST4049	925	0	10	2	18	5	22	8	52	10	62	13	90	17	78	21	102	19	108	22	138	5	116	7	0	0	0
WIST4050	9,183	15	58	10	115	36	194	61	365	64	488	98	702	137	617	129	947	194	1,248	234	1,634	123	1,610	88	12	4	0
WIST4051	3,590	13	48	14	84	27	145	33	212	46	314	52	335	70	230	67	328	85	399	90	505	37	442	9	2	3	0
WIST4053	483	0	9	3	17	6	32	15	32	14	66	18	36	11	30	9	30	10	53	7	44	2	37	2	0	0	0
WIST4054	3,597	15	34	13	79	35	133	50	193	60	258	70	344	80	246	52	338	62	462	82	487	39	435	24	5	0	1
WIST4055	1,058	9	19	2	26	11	48	15	59	18	89	28	114	26	75	17	90	21	108	27	121	9	123	1	2	0	0
WIST4057	6,025	5	64	19	126	35	203	69	318	74	454	115	536	112	453	96	622	106	776	145	840	66	735	47	4	5	0
WIST4058	3,891	7	28	9	60	31	154	41	206	67	278	73	342	100	311	70	383	84	496	88	542	32	468	18	2	1	0
WIST4060	265	1	1	4	5	2	11	12	10	8	24	9	32	3	18	6	20	8	22	3	38	4	22	2	0	0	0
WIST4061	2,435	4	9	2	31	5	58	12	77	16	140	25	195	28	144	24	228	48	383	66	446	34	437	23	0	0	0
WIST4062	1,561	8	14	3	25	24	42	38	88	57	112	64	136	69	96	45	149	53	165	49	181	27	111	4	1	0	0
WIST4063	430	1	6	1	11	4	25	1	29	8	34	6	30	15	32	4	36	8	42	13	59	5	59	1	0	0	0
WIST4064	544	0	4	2	4	3	8	4	14	7	23	3	28	4	24	15	47	11	100	13	96	10	115	9	0	0	0
WIST4066	1,361	8	13	7	25	20	46	52	104	67	104	71	151	80	76	53	89	46	108	53	96	27	62	1	2	0	0
WIST4067	1,651	7	24	7	38	14	78	26	83	30	152	18	187	36	103	24	166	33	197	42	206	18	162	0	0	0	0

40 CFR 51.366 (a)(3)
Initial Test Volume by Model Year and Station
From 1/1/2020 to 12/31/2020

WIST5003	1,078	1	6	1	11	4	31	12	30	18	76	22	82	24	60	23	82	34	139	53	179	16	163	7	3	0	1
WIST5004	2,935	5	22	6	45	14	57	34	112	36	187	56	245	59	209	64	307	75	418	63	496	27	389	7	1	1	0
WIST5005	3,148	17	46	14	89	22	153	35	212	50	286	71	348	49	257	45	289	53	330	54	374	20	322	9	3	0	0
WIST5008	7,310	15	77	22	169	47	237	73	414	85	591	99	627	140	527	111	709	155	911	155	1,064	75	965	37	5	0	0
WIST5009	356	0	0	0	3	1	7	4	5	4	10	2	33	6	15	8	36	10	57	14	69	8	64	0	0	0	0
WIST5011	547	1	3	2	6	1	13	2	17	0	30	2	34	7	30	10	50	11	86	19	109	9	103	1	1	0	0
WIST5015	3,964	13	51	21	94	54	180	65	236	104	352	99	346	106	265	74	354	88	475	93	445	44	377	21	3	4	0
WIST5017	3,314	5	47	12	70	18	140	36	186	51	223	47	327	63	251	58	298	77	391	77	493	32	395	15	2	0	0
WIST5023	1,251	0	12	4	20	11	38	8	58	16	87	20	106	27	95	33	130	27	133	26	180	18	193	8	0	1	0
WIST5029	2,397	1	15	7	46	22	67	29	94	34	149	41	175	37	139	41	241	59	288	79	396	39	384	11	2	1	0
WIST5037	1,368	4	13	1	25	4	50	3	55	13	124	13	134	18	106	15	158	26	175	22	214	16	173	6	0	0	0
WIST5044	1,148	1	6	0	12	5	22	11	35	20	54	20	82	19	84	29	92	29	138	39	207	22	203	11	7	0	0
WIST5045	265	1	1	0	4	0	8	3	20	0	18	3	28	7	20	5	29	8	28	6	40	3	33	0	0	0	0
WIST5049	6,210	14	54	13	107	27	155	64	293	70	449	82	561	102	454	84	680	135	822	114	965	76	823	57	7	2	0
WIST5053	1,099	7	20	5	45	10	63	12	89	14	112	25	126	13	66	14	89	22	111	17	135	4	97	3	0	0	0
WIST5055	11,930	25	126	59	252	91	394	176	638	235	906	320	1,163	369	884	289	1,244	300	1,338	319	1,448	130	1,163	45	13	3	0
WIST5058	842	2	10	8	14	3	27	16	44	16	78	25	91	29	44	14	87	23	82	27	104	13	77	7	0	1	0
WIST5066	5,756	22	74	22	123	54	229	99	367	104	505	130	520	154	427	124	553	145	602	143	723	61	542	22	8	3	0
WIST5074	2,927	10	21	15	44	31	108	34	153	54	239	69	302	96	208	70	268	96	319	92	333	56	290	12	6	1	0
WIST5077	14,156	24	133	55	209	70	359	105	656	136	980	188	1,218	250	1,031	180	1,558	338	1,864	323	2,232	174	1,985	69	15	3	1
WIST5079	1,454	2	7	3	18	3	36	7	67	11	78	15	100	22	89	28	139	23	183	37	279	12	279	8	2	5	1
WIST5080	149	0	2	0	3	0	3	2	6	2	10	1	12	5	7	2	14	5	16	2	36	2	19	0	0	0	0
WIST5081	17,669	42	179	66	345	126	641	158	888	239	1,312	241	1,598	361	1,187	303	1,732	373	2,244	403	2,663	199	2,243	117	7	2	0
WIST5082	2,361	3	31	9	52	22	102	25	135	33	195	37	190	51	176	24	225	43	288	54	343	15	302	2	2	2	0
WIST5083	1,475	4	16	7	35	11	56	19	69	27	106	45	125	53	120	32	141	33	158	42	203	10	162	1	0	0	0

40 CFR 51.366 (a)(3)
Initial Test Volume by Model Year and Station
From 1/1/2020 to 12/31/2020

WIST5084	666	1	7	1	14	5	29	6	42	12	55	13	70	18	39	14	62	22	88	15	85	3	65	0	0	0	0
WIST5085	2,298	3	13	1	27	8	36	6	83	12	108	26	157	28	161	27	209	45	326	64	452	30	444	28	3	1	0
WIST5086	5,962	10	53	14	113	25	171	45	324	58	396	72	538	129	456	100	614	124	748	128	895	61	847	37	0	4	0
WIST5087	7,081	12	80	38	144	58	244	93	396	131	493	174	606	166	451	137	610	154	880	188	1,043	81	842	50	5	5	0
WIST5088	516	3	5	2	13	2	19	11	34	9	36	7	55	12	39	15	43	14	53	14	58	7	59	4	0	2	0
WIST5089	25	0	0	0	1	0	1	0	0	1	1	1	0	1	0	3	0	1	8	2	1	0	2	2	0	0	0
WIST5090	10	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	2	0	2	0	1	1	0	0	0	0
WIST6001	10,667	39	185	64	358	133	574	223	791	234	934	274	1,024	305	737	215	942	210	1,035	202	1,115	85	934	35	12	7	0
WIST6004	6,031	11	36	6	94	27	173	42	266	56	392	55	514	102	397	83	612	107	853	146	1,063	55	899	41	1	0	0
WIST6007	774	4	10	5	25	1	32	11	49	11	64	17	89	15	56	12	69	15	73	13	103	11	87	1	1	0	0
WIST6013	3,501	3	23	4	50	9	68	24	123	34	201	27	302	44	300	32	388	54	504	65	639	35	562	4	5	1	0
WIST6018	1,738	5	30	10	46	24	84	34	132	52	153	66	149	50	108	40	126	37	145	41	212	22	172	0	0	0	0
WIST6021	1,889	2	13	3	29	8	69	8	75	23	118	14	176	18	118	26	187	33	273	36	340	30	272	16	2	0	0
WIST6022	3,093	7	22	7	52	14	71	31	120	43	187	43	241	50	209	48	277	58	471	92	519	48	448	32	3	0	0
WIST6026	1,645	5	12	3	27	6	51	8	60	24	90	21	124	26	90	26	177	33	245	37	277	17	254	31	1	0	0
WIST6031	3,053	4	24	4	59	11	73	13	158	37	205	38	267	51	243	54	355	54	356	78	464	40	440	20	5	0	0
WIST6033	1,106	0	10	6	19	5	32	13	51	9	74	20	86	14	67	24	108	17	149	38	193	18	150	3	0	0	0
WIST6034	336	0	1	1	5	2	9	4	12	8	18	5	25	13	22	10	24	13	42	15	47	10	49	0	1	0	0
WIST6035	3,513	7	32	9	71	27	111	56	204	79	254	112	345	105	270	76	313	107	407	95	431	36	341	15	8	2	0
WIST6037	6,200	15	99	48	194	76	300	148	387	163	545	187	576	194	424	116	539	157	624	173	655	61	493	18	5	3	0
WIST6039	2,788	4	8	7	35	11	50	22	65	34	117	36	184	47	177	46	270	63	453	89	543	51	445	23	7	1	0
WIST6042	1,021	3	18	6	27	13	26	11	75	17	112	30	98	19	62	26	90	15	102	30	120	17	95	8	1	0	0
WIST6043	3,343	14	48	17	91	52	176	66	229	107	312	125	402	149	257	80	289	81	287	74	268	19	192	6	0	2	0
WIST6044	2,699	9	34	6	68	15	117	54	215	53	259	64	265	61	188	59	256	71	291	53	295	24	231	11	0	0	0
WIST6047	1,969	2	19	5	21	3	57	14	78	13	138	21	177	28	144	12	236	28	282	43	350	10	284	4	0	0	0

40 CFR 51.366 (a)(3)
Initial Test Volume by Model Year and Station
From 1/1/2020 to 12/31/2020

WIST6048	7,475	18	50	35	124	36	185	84	348	134	510	155	709	212	566	173	757	190	951	195	1,050	80	882	18	12	1	0
WIST6049	883	1	7	11	18	13	36	25	48	31	79	47	93	55	62	29	68	35	71	29	65	7	50	2	0	1	0
WIST6050	649	1	7	2	10	2	13	1	22	10	35	12	51	10	56	7	69	12	99	8	122	5	91	1	2	1	0
WIST6051	2,076	8	32	7	35	31	104	35	129	40	199	44	213	65	131	51	171	60	219	54	243	10	189	1	2	3	0
WIST6052	4,004	15	64	15	98	37	172	50	227	55	318	76	397	90	277	51	420	75	482	82	509	20	467	5	2	0	0
WIST6053	2,009	5	10	3	29	8	45	28	98	23	143	34	187	39	146	31	201	62	259	38	315	29	270	5	0	1	0
WIST6054	1,141	4	11	5	24	3	46	16	64	15	80	15	107	26	69	19	102	25	141	31	158	13	157	9	1	0	0
WIST6055	487	2	3	2	9	3	12	4	15	10	27	12	44	15	42	2	42	20	52	10	74	7	74	2	0	4	0
WIST6056	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0
WIST7004	7,036	22	88	21	149	63	308	136	443	116	556	138	647	160	486	107	703	137	792	173	915	64	773	24	9	6	0
WIST7006	608	0	3	4	15	4	20	4	23	10	33	6	42	11	35	5	50	7	80	24	98	11	116	5	0	2	0
WIST7009	2,222	1	9	6	32	14	45	24	93	35	141	31	189	64	149	33	246	60	282	51	350	26	315	14	10	2	0
WIST7011	5,954	19	75	27	139	58	221	93	356	101	471	105	467	104	383	96	530	110	689	167	867	72	775	25	4	0	0
WIST7014	15,246	37	150	51	267	100	493	110	684	187	1,098	241	1,260	308	1,102	253	1,536	318	1,964	373	2,289	163	2,166	79	16	1	0
WIST7016	9,608	9	71	12	123	29	220	46	375	92	567	126	823	151	610	134	1,020	188	1,387	207	1,718	114	1,506	66	14	0	0
WIST7020	869	2	14	4	21	7	39	6	55	11	74	7	78	17	65	12	82	14	107	13	127	7	104	3	0	0	0
WIST7022	5,049	8	45	9	75	25	105	46	227	56	344	79	427	91	378	89	484	96	637	126	802	56	792	43	7	2	0
WIST7023	14	0	0	0	1	0	1	0	1	1	2	0	2	1	1	0	1	0	0	0	1	0	2	0	0	0	0
WIST7031	1,364	2	3	2	20	5	23	6	52	16	82	9	111	21	101	17	131	26	205	32	250	15	221	11	3	0	0
WIST7033	8,401	35	132	27	221	100	350	139	579	193	724	222	816	192	569	146	732	172	926	211	1,000	72	804	34	3	2	0
WIST7036	6,869	24	97	32	173	72	266	119	476	135	578	156	662	160	470	125	610	160	737	153	890	65	676	24	9	0	0
WIST7039	2,329	6	16	5	38	6	64	16	105	17	141	22	199	34	161	17	237	45	354	43	388	31	359	21	3	1	0
WIST7040	2,551	3	34	4	45	14	89	19	107	31	192	33	199	42	180	45	260	45	327	80	394	43	351	14	0	0	0
WIST7041	1,042	3	8	0	16	4	28	4	41	17	66	13	110	19	78	22	105	33	121	29	165	15	141	3	1	0	0
WIST7042	8,495	21	61	14	127	35	282	56	430	87	620	91	740	108	680	121	863	150	1,207	173	1,376	49	1,193	5	4	2	0

40 CFR 51.366 (a)(3)
Initial Test Volume by Model Year and Station
From 1/1/2020 to 12/31/2020

WIST7045	8,803	14	87	22	152	49	246	61	394	85	555	119	748	121	606	119	942	157	1,182	224	1,472	94	1,294	50	10	0	0
WIST7049	2,395	6	16	2	28	9	65	9	115	23	167	26	176	41	164	24	249	38	329	44	428	25	395	13	3	0	0
WIST7052	9,613	16	71	23	128	36	249	73	379	97	561	129	740	151	668	133	944	218	1,398	291	1,662	162	1,391	80	9	4	0
WIST7053	2,159	7	34	13	59	16	83	24	139	28	154	34	191	40	141	40	207	44	246	56	307	25	254	16	1	0	0
WIST7055	7,957	12	122	37	197	54	314	83	490	111	654	161	784	150	588	140	774	166	922	180	981	73	927	32	4	1	0
WIST7056	3,119	9	35	11	55	21	111	37	171	43	265	55	324	73	245	51	315	57	355	73	427	29	347	8	1	1	0
WIST7061	1,270	4	19	3	26	10	59	14	84	17	93	21	123	18	94	18	103	18	146	27	192	16	159	6	0	0	0
WIST7067	1,257	0	13	6	20	3	40	5	63	7	81	8	112	24	91	13	125	22	178	14	212	16	202	1	1	0	0
WIST7068	4,551	15	45	13	78	22	119	36	232	62	313	69	385	72	338	85	493	79	593	128	653	62	628	28	3	0	0
WIST7069	1,240	2	7	3	13	10	43	20	48	16	70	26	110	24	87	19	136	22	177	33	183	17	167	5	0	2	0
WIST7070	4,329	3	32	7	54	22	130	34	169	50	252	49	337	86	343	82	470	86	606	99	678	65	635	31	8	1	0
WIST7071	2,785	6	27	10	56	12	98	38	165	43	242	54	244	50	232	53	245	60	394	53	349	44	302	6	2	0	0
WIST7072	1,663	4	17	13	29	10	51	16	90	20	113	13	144	23	127	22	196	28	253	28	244	6	212	4	0	0	0
WIST7073	3,953	10	56	21	79	25	144	54	242	44	307	83	330	103	237	74	368	91	416	107	589	55	498	15	4	1	0
WIST7074	8,089	36	174	64	265	135	487	208	782	260	832	296	924	298	540	184	662	235	615	158	576	57	270	17	14	0	0
WIST7075	3,392	8	50	15	66	22	134	44	186	53	256	45	293	61	236	38	310	54	444	75	485	34	454	23	5	1	0
WIST7076	8,379	12	58	12	128	40	260	57	388	79	535	115	706	155	612	129	830	190	1,134	192	1,300	102	1,276	61	8	0	0
WIST7081	5,932	13	73	27	121	64	238	82	382	126	471	148	594	181	459	109	537	134	635	133	719	61	596	22	5	2	0
WIST7086	4,323	12	21	8	64	27	122	36	195	48	256	54	348	87	283	57	403	101	545	103	723	70	718	34	6	2	0
WIST7088	4,420	14	52	17	74	25	165	61	224	66	308	87	384	87	297	90	386	100	537	111	637	44	633	16	4	1	0
WIST7092	2,003	1	18	4	28	8	61	17	75	15	133	21	158	34	138	28	239	34	313	51	318	17	279	13	0	0	0
WIST7093	6,915	15	57	11	111	25	200	54	314	83	428	105	622	120	504	98	730	138	958	147	1,100	100	945	46	3	1	0
WIST7094	5,141	13	32	13	74	18	128	24	192	50	334	59	414	75	370	67	582	83	739	100	878	58	800	36	2	0	0
WIST7095	2,482	2	22	7	44	15	72	12	130	17	155	24	211	29	178	38	274	34	330	51	385	47	396	9	0	0	0
WIST7098	1,814	2	9	1	22	9	49	10	103	22	130	26	151	39	136	30	161	27	261	38	292	20	270	5	1	0	0

40 CFR 51.366 (a)(3)
Initial Test Volume by Model Year and Station
From 1/1/2020 to 12/31/2020

WIST7103	2,258	6	21	3	45	7	82	14	99	21	184	22	219	27	156	29	206	33	311	37	374	9	351	1	1	0	0
WIST7106	4,270	2	24	5	43	14	92	21	169	37	251	37	386	48	366	59	539	63	598	81	726	30	647	17	13	2	0
WIST7115	503	1	5	0	13	4	24	2	35	3	30	3	48	7	36	14	51	12	59	4	74	7	66	5	0	0	0
WIST7120	3,267	8	42	24	72	34	112	66	184	115	275	109	337	130	243	125	268	122	298	87	298	32	276	8	1	0	1
WIST7123	1,245	2	9	5	22	11	30	19	54	26	77	22	83	35	80	24	129	31	156	42	191	22	171	4	0	0	0
WIST7124	4,110	6	19	4	61	17	101	50	167	69	251	83	354	130	285	96	407	121	509	112	636	72	535	20	3	2	0
WIST7126	1,727	6	11	5	43	6	54	12	86	29	126	23	176	31	117	32	183	35	189	37	279	17	216	13	0	1	0
WIST7127	678	1	5	3	7	7	16	11	31	16	41	19	52	24	46	18	60	18	75	28	88	19	92	0	0	1	0
WIST7129	4,577	10	58	11	98	30	151	49	217	99	332	103	445	102	271	82	429	124	546	112	665	68	537	36	0	2	0
WIST7130	9,664	30	64	30	194	71	347	86	516	146	772	181	998	211	762	169	970	183	1,236	211	1,319	77	1,054	24	10	2	1
WIST7132	1,159	3	12	1	28	8	55	26	65	25	96	39	122	37	76	24	103	35	118	29	115	14	119	7	1	1	0
WIST7134	451	2	7	1	9	4	23	5	24	7	35	12	42	10	33	3	52	7	45	13	65	5	47	0	0	0	0
WIST7135	2,240	8	21	4	31	3	36	13	83	24	144	27	199	34	162	42	244	38	288	52	356	43	357	23	1	7	0
WIST7136	221	1	2	1	6	1	9	5	12	3	15	11	12	7	14	4	17	6	24	9	28	6	25	2	0	1	0
WIST7137	78	1	1	0	4	0	1	4	8	3	7	1	6	4	6	4	3	5	5	1	8	0	6	0	0	0	0
WIST7138	796	2	8	3	9	5	23	3	43	13	66	18	82	9	53	17	66	14	94	20	119	7	119	2	1	0	0
WIST7140	1,936	0	9	0	23	6	54	6	54	12	100	17	126	26	139	36	151	44	280	43	374	32	382	21	0	1	0
WIST8001	1,696	5	9	5	20	5	40	8	71	28	105	24	102	24	112	28	180	40	226	38	313	13	286	10	4	0	0
WIST8003	23	2	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	2	0	0	2	0	0	0	13	0
WIST8004	3,013	20	49	40	91	51	159	111	240	138	339	109	264	173	186	92	233	99	203	96	185	37	96	2	0	0	0
WIST8008	5,155	17	69	47	153	79	244	111	357	148	445	172	505	187	372	146	386	133	463	130	510	52	401	25	1	2	0
WIST8009	4,408	3	32	13	75	27	154	35	199	58	280	66	375	77	274	64	445	86	637	111	707	35	624	31	0	0	0
WIST8011	7,126	7	57	21	144	46	255	81	386	104	516	98	624	112	507	105	723	149	879	170	1,066	88	947	37	4	0	0
WIST8016	1,828	5	23	6	44	11	38	11	97	14	115	23	152	26	118	26	171	39	256	40	275	31	295	11	0	1	0
WIST8017	2,813	4	32	9	58	21	88	27	149	40	208	47	281	67	222	52	275	64	325	71	394	27	336	14	2	0	0

40 CFR 51.366 (a)(3)
Initial Test Volume by Model Year and Station
From 1/1/2020 to 12/31/2020

WIST8018	611	0	10	0	8	2	24	9	25	10	37	11	56	12	42	8	70	19	75	18	79	9	82	5	0	0	0
WIST8020	4,272	10	39	12	60	19	164	39	220	44	322	70	407	83	329	81	469	75	580	88	633	21	498	4	4	1	0
WIST8021	2,256	7	15	6	45	15	72	23	105	39	162	42	201	44	201	28	235	48	282	45	334	24	269	6	6	2	0
WIST8022	2,316	6	25	12	53	24	89	38	173	63	241	63	271	93	159	60	203	51	198	69	230	27	157	4	6	1	0
WIST8023	1,439	4	12	6	21	8	16	13	47	22	82	20	129	24	92	32	127	43	192	50	220	29	226	20	2	2	0
WIST8024	426	1	4	2	9	3	21	7	17	6	39	15	35	16	38	10	38	16	42	16	55	5	25	5	0	1	0
WIST8025	89	0	1	0	1	0	4	1	7	2	3	3	9	3	7	0	4	2	6	5	13	0	15	1	0	2	0
WISTT0010	787	3	15	7	15	9	47	10	54	11	64	11	68	19	53	18	66	10	81	11	113	3	96	3	0	0	0
WISTT0011	1,454	4	22	6	33	9	52	17	94	35	107	42	130	35	83	28	100	37	183	51	187	28	155	11	2	3	0
WISTT003	5,138	23	91	27	142	74	206	75	366	121	467	136	512	151	386	101	495	131	511	145	527	54	385	8	4	0	0
WISTT005	3,275	5	34	10	50	14	98	21	133	36	188	36	285	43	239	37	350	70	458	79	569	31	467	19	0	3	0
WISTT007	274	1	3	1	9	1	9	3	13	5	29	4	24	8	11	7	34	3	41	6	37	2	22	0	0	1	0
WISTT009	5,904	17	43	7	82	35	168	50	246	60	329	72	494	94	427	94	588	106	807	157	967	95	892	66	7	1	0
Totals:	667,021	1,671	6,884	2,367	12,909	4,836	22,557	7,851	35,113	10,541	49,200	12,608	60,016	14,817	47,038	11,898	64,643	14,610	81,904	16,255	94,981	7,488	82,508	3,443	625	245	13

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

Station ID	Total	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
WIST1003	1,289	1	20	2	24	7	38	9	66	9	103	16	104	21	77	13	151	16	172	33	186	20	190	10	0	1	0
# Fail	22	0	0	0	0	0	2	0	7	0	3	0	1	1	2	0	1	2	2	0	0	1	0	0	0	0	0
% Fail	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	5.3%	0.0%	10.6%	0.0%	2.9%	0.0%	1.0%	4.8%	2.6%	0.0%	0.7%	12.5%	1.2%	0.0%	0.0%	5.0%	0.0%	0.0%	--	0.0%	--
WIST1012	885	3	20	4	24	6	25	11	60	5	68	18	85	22	74	14	85	16	104	19	98	14	102	6	2	0	0
# Fail	30	0	1	0	2	1	2	1	4	0	2	0	3	2	2	0	5	1	3	0	1	0	0	0	0	0	0
% Fail	3.4%	0.0%	5.0%	0.0%	8.3%	16.7%	8.0%	9.1%	6.7%	0.0%	2.9%	0.0%	3.5%	9.1%	2.7%	0.0%	5.9%	6.3%	2.9%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST1016	450	1	8	1	9	5	18	8	18	11	40	10	44	13	24	8	48	10	46	9	61	5	53	0	0	0	0
# Fail	19	0	0	0	1	1	2	1	2	0	3	0	2	0	2	1	1	0	0	1	0	1	1	0	0	0	0
% Fail	4.2%	0.0%	0.0%	0.0%	11.1%	20.0%	11.1%	12.5%	11.1%	0.0%	7.5%	0.0%	4.5%	0.0%	8.3%	12.5%	2.1%	0.0%	0.0%	11.1%	0.0%	20.0%	1.9%	--	--	--	--
WIST1020	696	1	10	3	16	6	39	13	42	14	43	19	56	20	35	13	53	14	81	22	89	14	88	5	0	0	0
# Fail	14	0	1	0	0	0	0	2	4	1	1	0	2	0	0	1	1	0	1	0	0	0	0	0	0	0	0
% Fail	2.0%	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%	15.4%	9.5%	7.1%	2.3%	0.0%	3.6%	0.0%	0.0%	7.7%	1.9%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST1021	1,375	4	15	5	30	9	45	10	78	26	102	18	87	28	88	22	131	30	183	35	212	15	187	11	3	1	0
# Fail	41	0	1	0	7	2	7	0	5	1	5	0	4	0	3	0	2	0	3	0	0	0	1	0	0	0	0
% Fail	3.0%	0.0%	6.7%	0.0%	23.3%	22.2%	15.6%	0.0%	6.4%	3.8%	4.9%	0.0%	4.6%	0.0%	3.4%	0.0%	1.5%	0.0%	1.6%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	--
WIST1022	2,317	6	27	3	43	6	55	10	98	17	145	24	186	37	177	20	268	34	335	41	386	20	364	13	1	1	0
# Fail	44	0	2	0	2	0	3	1	4	2	6	3	5	1	4	1	4	0	2	0	2	0	1	1	0	0	0
% Fail	1.9%	0.0%	7.4%	0.0%	4.7%	0.0%	5.5%	10.0%	4.1%	11.8%	4.1%	12.5%	2.7%	2.7%	2.3%	5.0%	1.5%	0.0%	0.6%	0.0%	0.5%	0.0%	0.3%	7.7%	0.0%	0.0%	--
WIST1023	1,215	12	19	8	33	22	45	40	80	62	100	68	112	66	84	50	72	34	109	28	90	8	67	5	1	0	0
# Fail	122	2	3	0	4	5	4	9	9	9	10	14	18	10	6	8	4	2	2	1	2	0	0	0	0	0	0
% Fail	10.0%	16.7%	15.8%	0.0%	12.1%	22.7%	8.9%	22.5%	11.3%	14.5%	10.0%	20.6%	16.1%	15.2%	7.1%	16.0%	5.6%	5.9%	1.8%	3.6%	2.2%	0.0%	0.0%	0.0%	0.0%	--	--
WIST1024	1,243	2	11	5	25	10	41	13	67	36	97	40	113	46	78	48	117	45	141	49	130	15	104	8	2	0	0
# Fail	45	0	0	0	4	1	3	1	8	3	6	1	3	2	4	2	4	0	2	1	0	0	0	0	0	0	0
% Fail	3.6%	0.0%	0.0%	0.0%	16.0%	10.0%	7.3%	7.7%	11.9%	8.3%	6.2%	2.5%	2.7%	4.3%	5.1%	4.2%	3.4%	0.0%	1.4%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST1025	2,833	15	22	19	59	23	80	40	155	55	229	59	268	106	214	63	273	76	312	79	364	33	278	7	3	0	1
# Fail	164	4	2	5	8	3	13	5	21	9	18	6	18	10	10	2	8	5	4	3	7	1	2	0	0	0	0
% Fail	5.8%	26.7%	9.1%	26.3%	13.6%	13.0%	16.3%	12.5%	13.5%	16.4%	7.9%	10.2%	6.7%	9.4%	4.7%	3.2%	2.9%	6.6%	1.3%	3.8%	1.9%	3.0%	0.7%	0.0%	0.0%	--	0.0%
WIST1026	2,154	5	11	6	18	6	32	9	44	14	98	27	157	23	144	33	214	39	293	75	402	42	415	35	2	9	1
# Fail	32	0	1	0	1	0	1	1	2	1	2	4	7	1	3	1	2	0	3	0	2	0	0	0	0	0	0
% Fail	1.5%	0.0%	9.1%	0.0%	5.6%	0.0%	3.1%	11.1%	4.5%	7.1%	2.0%	14.8%	4.5%	4.3%	2.1%	3.0%	0.9%	0.0%	1.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
WIST1027	9,107	47	159	59	258	120	392	187	666	232	857	282	980	320	674	248	745	301	896	254	807	68	494	47	11	2	1
# Fail	491	3	18	12	29	13	61	16	74	20	54	16	47	18	33	9	23	6	17	7	9	1	5	0	0	0	0
% Fail	5.4%	6.4%	11.3%	20.3%	11.2%	10.8%	15.6%	8.6%	11.1%	8.6%	6.3%	5.7%	4.8%	5.6%	4.9%	3.6%	3.1%	2.0%	1.9%	2.8%	1.1%	1.5%	1.0%	0.0%	0.0%	0.0%	0.0%
WIST1029	1,027	4	9	4	13	4	14	7	26	11	49	8	54	5	66	17	116	20	150	23	205	7	208	4	1	2	0

# Fail	26	0	1	0	0	0	2	0	1	1	4	0	1	0	2	2	3	0	3	0	2	2	2	0	0	0	0
% Fail	2.5%	0.0%	11.1%	0.0%	0.0%	0.0%	14.3%	0.0%	3.8%	9.1%	8.2%	0.0%	1.9%	0.0%	3.0%	11.8%	2.6%	0.0%	2.0%	0.0%	1.0%	28.6%	1.0%	0.0%	0.0%	0.0%	--
WIST2015	3,272	12	26	5	46	13	70	29	126	41	202	46	280	71	248	62	326	73	414	94	488	37	507	40	13	3	0
# Fail	59	1	1	0	2	1	8	4	7	3	8	1	7	1	2	1	4	1	4	0	2	0	1	0	0	0	0
% Fail	1.8%	8.3%	3.8%	0.0%	4.3%	7.7%	11.4%	13.8%	5.6%	7.3%	4.0%	2.2%	2.5%	1.4%	0.8%	1.6%	1.2%	1.4%	1.0%	0.0%	0.4%	0.0%	0.2%	0.0%	0.0%	0.0%	--
WIST2017	1,475	5	8	1	12	3	28	6	32	7	80	11	95	12	95	20	141	34	217	40	308	27	277	14	1	1	0
# Fail	24	1	0	0	0	0	2	3	3	0	6	0	2	0	0	1	1	0	1	0	2	0	2	0	0	0	0
% Fail	1.6%	20.0%	0.0%	0.0%	0.0%	0.0%	7.1%	50.0%	9.4%	0.0%	7.5%	0.0%	2.1%	0.0%	0.0%	5.0%	0.7%	0.0%	0.5%	0.0%	0.6%	0.0%	0.7%	0.0%	0.0%	0.0%	--
WIST2019	598	1	6	2	11	6	19	6	34	11	39	7	42	9	51	10	45	18	75	16	81	15	83	11	0	0	0
# Fail	17	0	0	0	2	0	2	0	3	0	1	0	0	1	4	0	1	1	0	0	1	0	1	0	0	0	0
% Fail	2.8%	0.0%	0.0%	0.0%	18.2%	0.0%	10.5%	0.0%	8.8%	0.0%	2.6%	0.0%	0.0%	11.1%	7.8%	0.0%	2.2%	5.6%	0.0%	0.0%	1.2%	0.0%	1.2%	0.0%	--	--	--
WIST2021	7,010	13	83	23	128	43	188	67	342	97	550	114	591	115	466	101	709	137	909	158	1,071	84	957	51	9	4	0
# Fail	204	0	5	1	8	2	14	5	32	5	28	8	22	6	17	3	18	4	16	1	8	0	1	0	0	0	0
% Fail	2.9%	0.0%	6.0%	4.3%	6.3%	4.7%	7.4%	7.5%	9.4%	5.2%	5.1%	7.0%	3.7%	5.2%	3.6%	3.0%	2.5%	2.9%	1.8%	0.6%	0.7%	0.0%	0.1%	0.0%	0.0%	0.0%	--
WIST2024	5,229	12	42	11	89	22	143	38	235	69	354	87	481	108	404	82	563	106	696	134	800	63	665	20	5	0	0
# Fail	149	0	3	0	7	0	19	2	12	5	14	3	26	4	15	2	14	5	8	3	4	0	3	0	0	0	0
% Fail	2.8%	0.0%	7.1%	0.0%	7.9%	0.0%	13.3%	5.3%	5.1%	7.2%	4.0%	3.4%	5.4%	3.7%	3.7%	2.4%	2.5%	4.7%	1.1%	2.2%	0.5%	0.0%	0.5%	0.0%	0.0%	--	--
WIST2025	3,934	9	19	9	41	17	80	26	128	27	229	62	324	75	309	65	412	62	619	86	685	26	610	7	5	2	0
# Fail	99	0	0	1	4	1	10	3	10	1	14	5	13	2	10	2	7	0	8	2	4	0	2	0	0	0	0
% Fail	2.5%	0.0%	0.0%	11.1%	9.8%	5.9%	12.5%	11.5%	7.8%	3.7%	6.1%	8.1%	4.0%	2.7%	3.2%	3.1%	1.7%	0.0%	1.3%	2.3%	0.6%	0.0%	0.3%	0.0%	0.0%	0.0%	--
WIST2027	1,339	0	3	2	18	7	22	7	37	13	86	11	92	16	75	18	151	25	198	29	268	16	241	2	2	0	0
# Fail	41	0	0	1	0	0	4	0	4	0	10	2	2	2	2	0	5	0	5	0	2	0	2	0	0	0	0
% Fail	3.1%	--	0.0%	50.0%	0.0%	0.0%	18.2%	0.0%	10.8%	0.0%	11.6%	18.2%	2.2%	12.5%	2.7%	0.0%	3.3%	0.0%	2.5%	0.0%	0.7%	0.0%	0.8%	0.0%	0.0%	--	--
WIST2028	3,590	7	34	8	70	20	109	29	168	29	279	45	321	47	271	44	339	59	431	73	595	45	533	31	3	0	0
# Fail	79	0	1	2	4	0	9	2	11	0	13	3	12	3	6	2	3	1	3	0	3	0	1	0	0	0	0
% Fail	2.2%	0.0%	2.9%	25.0%	5.7%	0.0%	8.3%	6.9%	6.5%	0.0%	4.7%	6.7%	3.7%	6.4%	2.2%	4.5%	0.9%	1.7%	0.7%	0.0%	0.5%	0.0%	0.2%	0.0%	0.0%	--	--
WIST2029	5,413	5	29	7	56	16	95	35	208	53	322	75	422	70	425	73	529	108	828	118	1,007	56	843	26	6	1	0
# Fail	110	0	1	1	4	2	1	1	10	5	14	5	12	4	12	4	11	2	11	0	5	0	5	0	0	0	0
% Fail	2.0%	0.0%	3.4%	14.3%	7.1%	12.5%	1.1%	2.9%	4.8%	9.4%	4.3%	6.7%	2.8%	5.7%	2.8%	5.5%	2.1%	1.9%	1.3%	0.0%	0.5%	0.0%	0.6%	0.0%	0.0%	0.0%	--
WIST2030	1,501	4	14	8	37	30	50	40	108	48	142	55	151	64	104	41	107	37	148	34	155	12	104	7	1	0	0
# Fail	124	1	2	1	2	6	7	6	19	7	21	9	15	4	5	2	3	1	7	1	4	0	1	0	0	0	0
% Fail	8.3%	25.0%	14.3%	12.5%	5.4%	20.0%	14.0%	15.0%	17.6%	14.6%	14.8%	16.4%	9.9%	6.3%	4.8%	4.9%	2.8%	2.7%	4.7%	2.9%	2.6%	0.0%	1.0%	0.0%	0.0%	--	--
WIST2031	4,983	15	47	15	89	25	133	48	219	72	311	84	414	83	336	76	490	120	658	147	824	68	668	31	6	3	1
# Fail	179	2	5	2	5	3	8	6	17	7	29	8	25	3	18	3	12	5	10	0	6	1	4	0	0	0	0
% Fail	3.6%	13.3%	10.6%	13.3%	5.6%	12.0%	6.0%	12.5%	7.8%	9.7%	9.3%	9.5%	6.0%	3.6%	5.4%	3.9%	2.4%	4.2%	1.5%	0.0%	0.7%	1.5%	0.6%	0.0%	0.0%	0.0%	0.0%
WIST2032	408	1	2	1	7	0	5	0	10	3	18	6	21	9	14	3	41	12	55	10	74	7	102	5	2	0	0
# Fail	11	1	1	0	0	0	1	0	1	0	1	1	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0
% Fail	2.7%	100%	50.0%	0.0%	0.0%	--	20.0%	--	10.0%	0.0%	5.6%	16.7%	4.8%	11.1%	7.1%	0.0%	0.0%	8.3%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	--	--
WIST2033	327	0	4	9	2	5	6	10	18	7	36	15	36	22	21	11	18	9	25	8	35	4	23	1	2	0	0

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	11	0	0	2	0	0	1	2	1	0	2	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
% Fail	3.4%	--	0.0%	22.2%	0.0%	0.0%	16.7%	20.0%	5.6%	0.0%	5.6%	13.3%	0.0%	0.0%	0.0%	0.0%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST2035	4,651	9	46	12	88	31	129	48	261	58	380	95	437	80	354	79	467	98	563	110	664	52	564	20	2	4	0
# Fail	167	1	2	3	5	5	15	8	26	1	23	14	18	4	10	4	11	1	3	2	6	1	4	0	0	0	0
% Fail	3.6%	11.1%	4.3%	25.0%	5.7%	16.1%	11.6%	16.7%	10.0%	1.7%	6.1%	14.7%	4.1%	5.0%	2.8%	5.1%	2.4%	1.0%	0.5%	1.8%	0.9%	1.9%	0.7%	0.0%	0.0%	0.0%	--
WIST2036	788	4	5	3	24	6	24	9	46	16	48	14	65	21	59	18	78	20	85	14	123	7	95	2	0	2	0
# Fail	33	1	0	1	1	0	3	1	3	1	4	3	2	2	3	1	2	2	1	0	1	0	1	0	0	0	0
% Fail	4.2%	25.0%	0.0%	33.3%	4.2%	0.0%	12.5%	11.1%	6.5%	6.3%	8.3%	21.4%	3.1%	9.5%	5.1%	5.6%	2.6%	10.0%	1.2%	0.0%	0.8%	0.0%	1.1%	0.0%	--	0.0%	--
WIST2037	317	0	1	1	2	4	7	5	9	7	14	7	22	7	20	9	32	4	43	16	47	8	49	2	1	0	0
# Fail	8	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	2	1	0	0	0	0	0	0
% Fail	2.5%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.1%	14.3%	4.5%	0.0%	5.0%	11.1%	0.0%	0.0%	0.0%	12.5%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST2038	488	2	3	0	2	2	7	1	12	5	22	11	39	5	33	13	50	17	63	29	67	11	79	14	0	1	0
# Fail	7	0	0	0	0	0	1	0	1	1	2	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
% Fail	1.4%	0.0%	0.0%	--	0.0%	0.0%	14.3%	0.0%	8.3%	20.0%	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	--	0.0%	--
WIST2039	627	4	6	4	18	9	22	8	26	18	55	20	83	22	50	19	42	18	58	14	69	7	48	6	0	1	0
# Fail	48	0	2	1	0	1	8	2	2	4	6	2	7	2	4	1	4	1	0	0	1	0	0	0	0	0	0
% Fail	7.7%	0.0%	33.3%	25.0%	0.0%	11.1%	36.4%	25.0%	7.7%	22.2%	10.9%	10.0%	8.4%	9.1%	8.0%	5.3%	9.5%	5.6%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	--	0.0%	--
WIST2040	827	0	8	4	11	3	23	10	38	7	63	8	78	19	51	15	88	15	103	25	128	14	105	9	1	1	0
# Fail	29	0	0	1	1	0	4	1	2	1	4	0	5	0	2	1	3	0	2	1	0	0	1	0	0	0	0
% Fail	3.5%	--	0.0%	25.0%	9.1%	0.0%	17.4%	10.0%	5.3%	14.3%	6.3%	0.0%	6.4%	0.0%	3.9%	6.7%	3.4%	0.0%	1.9%	4.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	--
WIST3003	1,192	5	7	9	29	11	46	19	63	18	99	19	100	12	95	12	111	22	134	32	170	12	156	8	1	1	1
# Fail	45	0	3	0	1	1	8	0	8	0	7	0	3	0	5	0	2	1	3	0	1	0	2	0	0	0	0
% Fail	3.8%	0.0%	42.9%	0.0%	3.4%	9.1%	17.4%	0.0%	12.7%	0.0%	7.1%	0.0%	3.0%	0.0%	5.3%	0.0%	1.8%	4.5%	2.2%	0.0%	0.6%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%
WIST3005	2,912	7	26	5	42	6	84	19	119	17	161	34	209	50	207	33	297	58	399	68	458	29	557	24	3	0	0
# Fail	51	0	1	1	4	1	5	0	4	0	9	2	4	2	6	1	2	0	4	0	3	0	2	0	0	0	0
% Fail	1.8%	0.0%	3.8%	20.0%	9.5%	16.7%	6.0%	0.0%	3.4%	0.0%	5.6%	5.9%	1.9%	4.0%	2.9%	3.0%	0.7%	0.0%	1.0%	0.0%	0.7%	0.0%	0.4%	0.0%	0.0%	--	--
WIST3006	1,785	5	15	7	46	6	65	16	104	27	144	31	176	36	139	20	166	27	208	25	293	10	214	4	1	0	0
# Fail	66	0	2	1	3	0	5	2	4	0	12	4	9	0	5	2	6	1	4	1	5	0	0	0	0	0	0
% Fail	3.7%	0.0%	13.3%	14.3%	6.5%	0.0%	7.7%	12.5%	3.8%	0.0%	8.3%	12.9%	5.1%	0.0%	3.6%	10.0%	3.6%	3.7%	1.9%	4.0%	1.7%	0.0%	0.0%	0.0%	0.0%	--	--
WIST3013	4,409	17	31	20	66	36	129	57	218	67	273	97	401	118	283	97	448	122	578	133	549	74	554	28	10	3	0
# Fail	206	1	4	0	8	1	25	10	16	4	24	9	22	10	19	2	18	5	13	2	8	1	4	0	0	0	0
% Fail	4.7%	5.9%	12.9%	0.0%	12.1%	2.8%	19.4%	17.5%	7.3%	6.0%	8.8%	9.3%	5.5%	8.5%	6.7%	2.1%	4.0%	4.1%	2.2%	1.5%	1.5%	1.4%	0.7%	0.0%	0.0%	0.0%	--
WIST3014	7,766	34	99	38	163	90	281	114	457	149	669	159	752	228	520	183	710	200	912	213	946	66	742	34	6	1	0
# Fail	364	3	2	2	14	8	37	17	35	22	55	12	38	22	21	10	20	5	20	5	8	1	7	0	0	0	0
% Fail	4.7%	8.8%	2.0%	5.3%	8.6%	8.9%	13.2%	14.9%	7.7%	14.8%	8.2%	7.5%	5.1%	9.6%	4.0%	5.5%	2.8%	2.5%	2.2%	2.3%	0.8%	1.5%	0.9%	0.0%	0.0%	0.0%	--
WIST3015	3,134	12	21	12	64	17	81	26	179	27	235	48	319	52	195	52	322	65	427	76	464	34	377	24	3	2	0
# Fail	94	3	3	1	7	2	10	0	12	1	11	5	14	1	2	2	6	1	5	1	4	1	2	0	0	0	0
% Fail	3.0%	25.0%	14.3%	8.3%	10.9%	11.8%	12.3%	0.0%	6.7%	3.7%	4.7%	10.4%	4.4%	1.9%	1.0%	3.8%	1.9%	1.5%	1.2%	1.3%	0.9%	2.9%	0.5%	0.0%	0.0%	0.0%	--
WIST3018	328	1	12	1	7	9	11	7	19	17	28	12	26	19	20	3	28	7	30	6	29	9	26	0	0	1	0

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	19	0	4	0	1	0	1	0	3	1	1	0	3	0	1	0	2	0	2	0	0	0	0	0	0	0	0	
% Fail	5.8%	0.0%	33.3%	0.0%	14.3%	0.0%	9.1%	0.0%	15.8%	5.9%	3.6%	0.0%	11.5%	0.0%	5.0%	0.0%	7.1%	0.0%	6.7%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	0.0%	--
WIST3021	1,976	2	15	5	30	12	53	18	122	27	121	24	168	37	119	28	205	53	274	66	279	31	268	17	1	1	0	
# Fail	54	0	2	0	5	2	5	2	10	1	3	2	3	4	4	1	2	1	4	0	3	0	0	0	0	0	0	0
% Fail	2.7%	0.0%	13.3%	0.0%	16.7%	16.7%	9.4%	11.1%	8.2%	3.7%	2.5%	8.3%	1.8%	10.8%	3.4%	3.6%	1.0%	1.9%	1.5%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST3022	128	2	2	0	4	4	16	2	5	2	16	0	22	4	12	1	19	1	8	0	3	1	1	2	0	1	0	
# Fail	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
% Fail	0.8%	0.0%	0.0%	--	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--
WIST3024	4,513	13	57	22	96	49	155	78	300	92	389	125	407	142	368	125	403	131	486	145	447	77	388	12	5	1	0	
# Fail	173	0	6	3	8	3	9	6	30	7	21	8	22	5	6	5	9	5	10	3	5	0	2	0	0	0	0	
% Fail	3.8%	0.0%	10.5%	13.6%	8.3%	6.1%	5.8%	7.7%	10.0%	7.6%	5.4%	6.4%	5.4%	3.5%	1.6%	4.0%	2.2%	3.8%	2.1%	2.1%	1.1%	0.0%	0.5%	0.0%	0.0%	0.0%	--	
WIST3030	2,577	8	14	3	24	10	49	16	90	22	147	36	211	54	162	47	245	40	339	68	508	33	425	22	3	1	0	
# Fail	69	1	4	1	2	2	7	2	8	0	8	1	13	1	3	2	2	1	5	0	3	0	3	0	0	0	0	
% Fail	2.7%	12.5%	28.6%	33.3%	8.3%	20.0%	14.3%	12.5%	8.9%	0.0%	5.4%	2.8%	6.2%	1.9%	1.9%	4.3%	0.8%	2.5%	1.5%	0.0%	0.6%	0.0%	0.7%	0.0%	0.0%	0.0%	--	
WIST3032	515	0	10	0	10	3	14	5	25	6	34	9	58	14	16	8	46	12	67	18	76	8	74	2	0	0	0	
# Fail	17	0	0	0	1	1	0	0	2	0	1	1	2	0	0	0	4	1	1	0	1	1	1	0	0	0	0	
% Fail	3.3%	--	0.0%	--	10.0%	33.3%	0.0%	0.0%	8.0%	0.0%	2.9%	11.1%	3.4%	0.0%	0.0%	0.0%	8.7%	8.3%	1.5%	0.0%	1.3%	12.5%	1.4%	0.0%	--	--	--	
WIST3034	810	2	6	4	7	3	16	3	25	8	40	9	51	5	46	17	94	13	111	19	162	17	149	2	0	1	0	
# Fail	18	0	0	1	1	0	3	0	0	1	2	0	3	0	1	0	2	1	1	0	1	0	1	0	0	0	0	
% Fail	2.2%	0.0%	0.0%	25.0%	14.3%	0.0%	18.8%	0.0%	0.0%	12.5%	5.0%	0.0%	5.9%	0.0%	2.2%	0.0%	2.1%	7.7%	0.9%	0.0%	0.6%	0.0%	0.7%	0.0%	--	0.0%	--	
WIST3035	564	2	3	2	8	4	13	4	23	9	30	9	39	8	43	10	56	13	69	11	89	3	110	2	4	0	0	
# Fail	11	0	0	1	0	0	1	0	3	0	2	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	
% Fail	2.0%	0.0%	0.0%	50.0%	0.0%	0.0%	7.7%	0.0%	13.0%	0.0%	6.7%	0.0%	0.0%	0.0%	4.7%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST3036	750	0	5	1	10	2	18	7	37	9	44	6	53	17	62	12	79	17	117	12	119	6	115	1	0	1	0	
# Fail	25	0	0	0	2	0	4	0	1	2	5	1	2	0	3	1	1	0	3	0	0	0	0	0	0	0	0	
% Fail	3.3%	--	0.0%	0.0%	20.0%	0.0%	22.2%	0.0%	2.7%	22.2%	11.4%	16.7%	3.8%	0.0%	4.8%	8.3%	1.3%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--
WIST3037	672	2	8	1	11	3	24	10	33	13	51	9	63	18	57	15	62	13	88	15	93	8	71	3	1	0	0	
# Fail	27	0	1	0	1	0	2	0	3	0	4	1	7	2	2	0	1	2	1	0	0	0	0	0	0	0	0	
% Fail	4.0%	0.0%	12.5%	0.0%	9.1%	0.0%	8.3%	0.0%	9.1%	0.0%	7.8%	11.1%	11.1%	11.1%	3.5%	0.0%	1.6%	15.4%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST4002	1,326	1	18	2	21	12	47	14	65	14	68	13	115	28	89	17	144	31	162	31	228	21	174	9	1	1	0	
# Fail	22	0	1	0	2	0	1	1	3	4	1	0	3	0	1	0	1	0	1	1	1	0	1	0	0	0	0	
% Fail	1.7%	0.0%	5.6%	0.0%	9.5%	0.0%	2.1%	7.1%	4.6%	28.6%	1.5%	0.0%	2.6%	0.0%	1.1%	0.0%	0.7%	0.0%	0.6%	3.2%	0.4%	0.0%	0.6%	0.0%	0.0%	0.0%	--	
WIST4003	6,024	5	55	15	80	37	167	57	255	65	365	111	531	140	444	114	578	135	847	159	942	76	802	35	8	1	0	
# Fail	182	0	0	0	8	5	15	6	14	2	25	12	25	4	15	5	15	2	11	6	7	2	3	0	0	0	0	
% Fail	3.0%	0.0%	0.0%	0.0%	10.0%	13.5%	9.0%	10.5%	5.5%	3.1%	6.8%	10.8%	4.7%	2.9%	3.4%	4.4%	2.6%	1.5%	1.3%	3.8%	0.7%	2.6%	0.4%	0.0%	0.0%	0.0%	--	
WIST4014	1,075	1	11	5	38	7	34	9	71	11	95	14	94	25	71	18	102	16	126	12	144	7	159	5	0	0	0	
# Fail	23	1	0	0	2	0	1	1	3	0	2	2	3	0	2	0	4	1	0	0	0	0	1	0	0	0	0	
% Fail	2.1%	100%	0.0%	0.0%	5.3%	0.0%	2.9%	11.1%	4.2%	0.0%	2.1%	14.3%	3.2%	0.0%	2.8%	0.0%	3.9%	6.3%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	--	--	--	
WIST4017	1,928	2	13	3	33	8	34	12	77	24	116	22	143	27	139	19	195	51	288	42	356	31	289	4	0	0	0	

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	38	0	0	0	4	0	2	3	5	0	2	3	5	2	1	2	4	0	3	1	0	1	0	0	0	0	
% Fail	2.0%	0.0%	0.0%	0.0%	12.1%	0.0%	5.9%	25.0%	6.5%	0.0%	1.7%	13.6%	3.5%	7.4%	0.7%	10.5%	2.1%	0.0%	1.0%	2.4%	0.0%	3.2%	0.0%	0.0%	--	--	
WIST4026	3,445	2	18	4	37	9	41	16	90	21	169	43	226	45	216	42	353	69	562	90	643	55	642	40	8	3	1
# Fail	51	0	0	0	1	0	1	2	6	2	10	2	7	0	4	1	6	0	3	2	2	0	2	0	0	0	0
% Fail	1.5%	0.0%	0.0%	0.0%	2.7%	0.0%	2.4%	12.5%	6.7%	9.5%	5.9%	4.7%	3.1%	0.0%	1.9%	2.4%	1.7%	0.0%	0.5%	2.2%	0.3%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
WIST4031	9,802	33	153	57	253	95	367	119	532	177	824	211	915	226	685	181	889	231	1,087	250	1,286	93	1,082	44	7	5	0
# Fail	381	6	12	3	28	8	34	9	41	18	57	17	39	11	25	6	22	6	18	4	12	1	4	0	0	0	0
% Fail	3.9%	18.2%	7.8%	5.3%	11.1%	8.4%	9.3%	7.6%	7.7%	10.2%	6.9%	8.1%	4.3%	4.9%	3.6%	3.3%	2.5%	2.6%	1.7%	1.6%	0.9%	1.1%	0.4%	0.0%	0.0%	0.0%	--
WIST4032	6,964	30	98	57	194	128	300	194	466	267	596	306	789	343	426	218	511	197	547	182	595	66	425	15	9	5	0
# Fail	741	2	19	12	26	23	65	41	81	51	86	60	90	29	39	26	30	12	21	10	7	3	7	1	0	0	0
% Fail	10.6%	6.7%	19.4%	21.1%	13.4%	18.0%	21.7%	21.1%	17.4%	19.1%	14.4%	19.6%	11.4%	8.5%	9.2%	11.9%	5.9%	6.1%	3.8%	5.5%	1.2%	4.5%	1.6%	6.7%	0.0%	0.0%	--
WIST4040	3,700	10	33	7	67	26	93	35	149	38	226	58	306	63	256	61	369	62	496	112	606	44	551	22	9	1	0
# Fail	84	1	2	1	5	5	5	4	7	1	9	2	15	1	2	1	6	0	7	0	8	1	1	0	0	0	0
% Fail	2.3%	10.0%	6.1%	14.3%	7.5%	19.2%	5.4%	11.4%	4.7%	2.6%	4.0%	3.4%	4.9%	1.6%	0.8%	1.6%	1.6%	0.0%	1.4%	0.0%	1.3%	2.3%	0.2%	0.0%	0.0%	0.0%	--
WIST4042	6,125	16	83	20	127	54	236	84	378	116	512	161	592	170	473	149	580	149	695	184	725	55	534	22	9	1	0
# Fail	298	3	14	1	17	6	25	6	43	5	41	19	30	12	21	3	21	2	14	6	6	2	1	0	0	0	0
% Fail	4.9%	18.8%	16.9%	5.0%	13.4%	11.1%	10.6%	7.1%	11.4%	4.3%	8.0%	11.8%	5.1%	7.1%	4.4%	2.0%	3.6%	1.3%	2.0%	3.3%	0.8%	3.6%	0.2%	0.0%	0.0%	0.0%	--
WIST4045	2,779	5	27	10	51	16	93	28	132	28	211	53	250	45	179	43	270	50	374	72	412	30	380	18	2	0	0
# Fail	72	0	1	1	0	0	7	1	6	0	10	4	7	2	10	1	7	1	9	0	4	0	1	0	0	0	0
% Fail	2.6%	0.0%	3.7%	10.0%	0.0%	0.0%	7.5%	3.6%	4.5%	0.0%	4.7%	7.5%	2.8%	4.4%	5.6%	2.3%	2.6%	2.0%	2.4%	0.0%	1.0%	0.0%	0.3%	0.0%	0.0%	--	--
WIST4048	5,708	13	36	18	81	34	151	54	243	82	376	101	518	120	366	86	609	123	769	141	918	74	764	27	3	1	0
# Fail	160	1	3	0	8	5	14	2	17	3	19	8	22	7	9	5	9	1	14	1	5	2	5	0	0	0	0
% Fail	2.8%	7.7%	8.3%	0.0%	9.9%	14.7%	9.3%	3.7%	7.0%	3.7%	5.1%	7.9%	4.2%	5.8%	2.5%	5.8%	1.5%	0.8%	1.8%	0.7%	0.5%	2.7%	0.7%	0.0%	0.0%	0.0%	--
WIST4049	877	0	9	2	16	5	19	7	47	8	58	12	87	16	74	18	100	15	106	17	134	5	115	7	0	0	0
# Fail	26	0	0	0	1	1	3	1	2	2	2	1	2	0	4	0	3	2	1	1	0	0	0	0	0	0	0
% Fail	3.0%	--	0.0%	0.0%	6.3%	20.0%	15.8%	14.3%	4.3%	25.0%	3.4%	8.3%	2.3%	0.0%	5.4%	0.0%	3.0%	13.3%	0.9%	5.9%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST4050	8,846	15	54	10	110	31	174	55	326	58	464	89	663	127	591	127	919	178	1,222	228	1,594	121	1,587	87	12	4	0
# Fail	189	0	1	1	8	0	12	8	27	5	22	4	22	1	13	2	16	5	20	1	12	2	7	0	0	0	0
% Fail	2.1%	0.0%	1.9%	10.0%	7.3%	0.0%	6.9%	14.5%	8.3%	8.6%	4.7%	4.5%	3.3%	0.8%	2.2%	1.6%	1.7%	2.8%	1.6%	0.4%	0.8%	1.7%	0.4%	0.0%	0.0%	0.0%	--
WIST4051	3,350	12	44	14	76	25	121	26	184	43	276	46	315	63	216	60	309	77	387	82	492	36	434	9	2	1	0
# Fail	104	1	1	1	12	0	3	2	8	1	17	2	15	1	9	4	8	2	6	1	6	1	3	0	0	0	0
% Fail	3.1%	8.3%	2.3%	7.1%	15.8%	0.0%	2.5%	7.7%	4.3%	2.3%	6.2%	4.3%	4.8%	1.6%	4.2%	6.7%	2.6%	2.6%	1.6%	1.2%	1.2%	2.8%	0.7%	0.0%	0.0%	0.0%	--
WIST4053	445	0	9	3	15	6	25	13	27	12	60	18	32	9	27	8	29	10	51	7	43	2	37	2	0	0	0
# Fail	18	0	0	0	1	0	0	2	3	0	4	1	1	1	2	1	0	0	1	0	1	0	0	0	0	0	0
% Fail	4.0%	--	0.0%	0.0%	6.7%	0.0%	0.0%	15.4%	11.1%	0.0%	6.7%	5.6%	3.1%	11.1%	7.4%	12.5%	0.0%	0.0%	2.0%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	--	--
WIST4054	3,402	14	33	11	68	28	118	47	175	54	238	63	319	74	230	50	316	60	446	78	479	39	432	24	5	0	1
# Fail	92	1	0	1	7	3	7	4	8	3	4	4	13	2	6	2	8	0	9	2	3	1	2	1	1	0	0
% Fail	2.7%	7.1%	0.0%	9.1%	10.3%	10.7%	5.9%	8.5%	4.6%	5.6%	1.7%	6.3%	4.1%	2.7%	2.6%	4.0%	2.5%	0.0%	2.0%	2.6%	0.6%	2.6%	0.5%	4.2%	20.0%	--	0.0%
WIST4055	979	8	17	2	23	10	40	11	51	17	79	17	105	22	68	17	88	18	108	25	120	9	121	1	2	0	0

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	29	1	1	0	2	1	1	0	2	0	5	0	4	2	2	0	2	2	1	3	0	0	0	0	0	0		
% Fail	3.0%	12.5%	5.9%	0.0%	8.7%	10.0%	2.5%	0.0%	3.9%	0.0%	6.3%	0.0%	3.8%	9.1%	2.9%	0.0%	2.3%	11.1%	0.9%	12.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--		
WIST4057	5,708	5	61	17	117	30	181	51	292	69	427	103	491	104	425	89	590	96	760	142	820	65	718	47	3	5	0	
# Fail	153	0	2	2	5	4	15	2	12	7	22	5	17	3	11	3	17	0	12	1	8	1	4	0	0	0	0	
% Fail	2.7%	0.0%	3.3%	11.8%	4.3%	13.3%	8.3%	3.9%	4.1%	10.1%	5.2%	4.9%	3.5%	2.9%	2.6%	3.4%	2.9%	0.0%	1.6%	0.7%	1.0%	1.5%	0.6%	0.0%	0.0%	0.0%	--	
WIST4058	3,662	7	25	6	56	26	130	33	178	51	261	62	324	91	291	66	366	76	486	87	526	31	462	18	2	1	0	
# Fail	123	0	1	0	7	3	9	3	12	3	14	5	12	7	9	2	9	3	14	1	7	0	2	0	0	0	0	
% Fail	3.4%	0.0%	4.0%	0.0%	12.5%	11.5%	6.9%	9.1%	6.7%	5.9%	5.4%	8.1%	3.7%	7.7%	3.1%	3.0%	2.5%	3.9%	2.9%	1.1%	1.3%	0.0%	0.4%	0.0%	0.0%	0.0%	--	
WIST4060	235	1	1	3	5	1	9	8	9	8	23	7	25	2	15	6	19	7	20	3	35	4	22	2	0	0	0	
# Fail	16	0	1	0	1	0	1	1	2	0	3	0	3	0	0	1	1	1	1	0	0	0	0	0	0	0	0	
% Fail	6.8%	0.0%	100%	0.0%	20.0%	0.0%	11.1%	12.5%	22.2%	0.0%	13.0%	0.0%	12.0%	0.0%	0.0%	16.7%	5.3%	14.3%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST4061	2,349	3	8	2	29	5	46	11	71	15	135	20	188	28	137	21	222	43	373	61	441	34	433	23	0	0	0	
# Fail	41	1	0	0	0	1	2	0	3	0	7	1	10	0	2	0	3	2	1	1	1	0	6	0	0	0	0	
% Fail	1.7%	33.3%	0.0%	0.0%	0.0%	20.0%	4.3%	0.0%	4.2%	0.0%	5.2%	5.0%	5.3%	0.0%	1.5%	0.0%	1.4%	4.7%	0.3%	1.6%	0.2%	0.0%	1.4%	0.0%	--	--	--	
WIST4062	1,461	7	13	3	22	22	34	35	76	50	105	56	124	62	91	41	141	51	160	49	177	27	110	4	1	0	0	
# Fail	123	2	0	0	4	0	3	10	13	6	13	6	16	8	8	2	9	3	11	1	4	2	2	0	0	0	0	
% Fail	8.4%	28.6%	0.0%	0.0%	18.2%	0.0%	8.8%	28.6%	17.1%	12.0%	12.4%	10.7%	12.9%	12.9%	8.8%	4.9%	6.4%	5.9%	6.9%	2.0%	2.3%	7.4%	1.8%	0.0%	0.0%	--	--	--
WIST4063	406	1	6	1	11	4	19	1	22	7	31	6	28	13	32	4	35	7	42	13	58	5	59	1	0	0	0	
# Fail	12	0	0	0	0	0	2	0	3	1	1	0	2	0	0	0	1	0	1	0	0	0	1	0	0	0	0	
% Fail	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.5%	0.0%	13.6%	14.3%	3.2%	0.0%	7.1%	0.0%	0.0%	0.0%	2.9%	0.0%	2.4%	0.0%	0.0%	0.0%	1.7%	0.0%	--	--	--	
WIST4064	518	0	2	2	4	3	8	3	11	4	21	3	26	4	24	12	44	11	95	13	94	10	115	9	0	0	0	
# Fail	7	0	0	0	0	0	1	0	0	0	2	0	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	
% Fail	1.4%	--	0.0%	0.0%	0.0%	0.0%	12.5%	0.0%	0.0%	0.0%	9.5%	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST4066	1,222	7	9	7	22	17	35	43	87	52	94	61	134	74	70	48	82	44	98	51	95	27	62	1	2	0	0	
# Fail	106	1	3	0	3	3	9	3	13	6	11	9	13	7	2	1	6	2	4	4	4	2	0	0	0	0	0	
% Fail	8.7%	14.3%	33.3%	0.0%	13.6%	17.6%	25.7%	7.0%	14.9%	11.5%	11.7%	14.8%	9.7%	9.5%	2.9%	2.1%	7.3%	4.5%	4.1%	7.8%	4.2%	7.4%	0.0%	0.0%	0.0%	--	--	--
WIST4067	1,539	7	21	7	32	10	61	18	73	27	139	15	171	32	100	24	162	30	194	37	200	18	161	0	0	0	0	
# Fail	54	0	0	0	2	1	6	3	6	2	11	1	9	1	1	0	4	1	2	0	4	0	0	0	0	0	0	
% Fail	3.5%	0.0%	0.0%	0.0%	6.3%	10.0%	9.8%	16.7%	8.2%	7.4%	7.9%	6.7%	5.3%	3.1%	1.0%	0.0%	2.5%	3.3%	1.0%	0.0%	2.0%	0.0%	0.0%	0.0%	--	--	--	--
WIST5003	1,001	1	6	1	11	3	19	11	27	17	69	20	75	24	56	18	81	27	131	49	169	16	159	7	3	0	1	
# Fail	35	1	0	1	1	0	1	1	4	0	5	3	2	1	0	0	1	2	6	1	3	0	2	0	0	0	0	
% Fail	3.5%	100%	0.0%	100%	9.1%	0.0%	5.3%	9.1%	14.8%	0.0%	7.2%	15.0%	2.7%	4.2%	0.0%	0.0%	1.2%	7.4%	4.6%	2.0%	1.8%	0.0%	1.3%	0.0%	0.0%	--	0.0%	
WIST5004	2,838	5	21	6	38	11	45	28	104	33	180	51	237	56	201	60	302	74	412	62	489	27	387	7	1	1	0	
# Fail	70	0	0	1	3	2	6	2	6	1	11	6	11	3	1	3	3	1	7	1	1	0	1	0	0	0	0	
% Fail	2.5%	0.0%	0.0%	16.7%	7.9%	18.2%	13.3%	7.1%	5.8%	3.0%	6.1%	11.8%	4.6%	5.4%	0.5%	5.0%	1.0%	1.4%	1.7%	1.6%	0.2%	0.0%	0.3%	0.0%	0.0%	0.0%	--	
WIST5005	2,957	10	43	12	81	18	133	31	198	48	269	62	321	42	236	44	274	52	319	51	362	19	320	9	3	0	0	
# Fail	110	0	4	1	6	0	12	3	16	4	22	1	9	3	8	1	7	3	4	1	4	0	1	0	0	0	0	
% Fail	3.7%	0.0%	9.3%	8.3%	7.4%	0.0%	9.0%	9.7%	8.1%	8.3%	8.2%	1.6%	2.8%	7.1%	3.4%	2.3%	2.6%	5.8%	1.3%	2.0%	1.1%	0.0%	0.3%	0.0%	0.0%	--	--	--
WIST5008	6,943	15	76	20	158	46	203	60	378	71	538	85	586	127	502	105	682	150	876	150	1,045	70	958	37	5	0	0	

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	191	2	1	3	14	7	9	3	20	6	30	5	22	5	17	4	11	2	17	4	3	1	5	0	0	0	0
% Fail	2.8%	13.3%	1.3%	15.0%	8.9%	15.2%	4.4%	5.0%	5.3%	8.5%	5.6%	5.9%	3.8%	3.9%	3.4%	3.8%	1.6%	1.3%	1.9%	2.7%	0.3%	1.4%	0.5%	0.0%	0.0%	--	--
WIST5009	349	0	0	0	3	1	6	4	5	4	9	2	33	6	14	8	35	10	56	13	69	7	64	0	0	0	0
# Fail	6	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	3	0	0	0	0	1	0	0	0	0	0
% Fail	1.7%	--	--	--	0.0%	0.0%	0.0%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.7%	0.0%	0.0%	8.6%	0.0%	0.0%	0.0%	0.0%	14.3%	0.0%	--	--	--	--
WIST5011	532	0	3	2	6	1	13	1	16	0	27	2	32	5	29	10	49	10	86	19	107	9	103	1	1	0	0
# Fail	15	0	0	0	1	0	1	0	0	0	0	0	3	1	0	0	2	1	3	1	1	0	1	0	0	0	0
% Fail	2.8%	--	0.0%	0.0%	16.7%	0.0%	7.7%	0.0%	0.0%	--	0.0%	0.0%	9.4%	20.0%	0.0%	0.0%	4.1%	10.0%	3.5%	5.3%	0.9%	0.0%	1.0%	0.0%	0.0%	--	--
WIST5015	3,616	10	43	20	85	44	146	51	210	85	301	84	314	96	237	67	330	85	450	86	433	39	372	21	3	4	0
# Fail	178	1	2	2	12	4	17	12	18	9	28	7	17	7	9	2	6	3	7	5	6	1	3	0	0	0	0
% Fail	4.9%	10.0%	4.7%	10.0%	14.1%	9.1%	11.6%	23.5%	8.6%	10.6%	9.3%	8.3%	5.4%	7.3%	3.8%	3.0%	1.8%	3.5%	1.6%	5.8%	1.4%	2.6%	0.8%	0.0%	0.0%	0.0%	--
WIST5017	3,100	5	39	11	58	18	112	29	165	42	194	42	305	49	235	57	290	72	374	76	487	32	391	15	2	0	0
# Fail	98	1	5	1	4	3	9	3	12	4	9	2	12	2	7	1	12	2	2	1	2	0	4	0	0	0	0
% Fail	3.2%	20.0%	12.8%	9.1%	6.9%	16.7%	8.0%	10.3%	7.3%	9.5%	4.6%	4.8%	3.9%	4.1%	3.0%	1.8%	4.1%	2.8%	0.5%	1.3%	0.4%	0.0%	1.0%	0.0%	0.0%	--	--
WIST5023	1,181	0	12	4	18	9	37	8	52	12	78	18	97	21	89	28	122	26	132	25	179	15	190	8	0	1	0
# Fail	34	0	3	0	0	0	2	0	5	1	6	1	3	1	5	0	3	1	1	0	1	1	0	0	0	0	0
% Fail	2.9%	--	25.0%	0.0%	0.0%	0.0%	5.4%	0.0%	9.6%	8.3%	7.7%	5.6%	3.1%	4.8%	5.6%	0.0%	2.5%	3.8%	0.8%	0.0%	0.6%	6.7%	0.0%	0.0%	--	0.0%	--
WIST5029	2,247	1	15	6	43	21	56	22	84	29	125	35	165	31	128	36	228	55	279	77	381	39	377	11	2	1	0
# Fail	51	0	1	4	2	2	3	2	3	2	7	2	2	3	1	2	6	1	3	0	1	2	2	0	0	0	0
% Fail	2.3%	0.0%	6.7%	66.7%	4.7%	9.5%	5.4%	9.1%	3.6%	6.9%	5.6%	5.7%	1.2%	9.7%	0.8%	5.6%	2.6%	1.8%	1.1%	0.0%	0.3%	5.1%	0.5%	0.0%	0.0%	0.0%	--
WIST5037	1,312	4	13	1	23	3	43	2	53	11	111	12	132	17	102	14	153	26	173	20	210	13	170	6	0	0	0
# Fail	27	1	0	0	0	0	1	0	3	1	3	0	4	1	4	0	3	2	0	2	1	1	0	0	0	0	0
% Fail	2.1%	25.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	5.7%	9.1%	2.7%	0.0%	3.0%	5.9%	3.9%	0.0%	2.0%	7.7%	0.0%	10.0%	0.5%	7.7%	0.0%	0.0%	--	--	--
WIST5044	1,074	1	6	0	12	3	14	9	32	13	49	14	73	13	80	27	89	27	132	39	203	22	199	10	7	0	0
# Fail	39	0	0	0	4	0	0	0	4	1	4	1	4	2	1	3	2	1	5	0	2	0	5	0	0	0	0
% Fail	3.6%	0.0%	0.0%	--	33.3%	0.0%	0.0%	0.0%	12.5%	7.7%	8.2%	7.1%	5.5%	15.4%	1.3%	11.1%	2.2%	3.7%	3.8%	0.0%	1.0%	0.0%	2.5%	0.0%	0.0%	--	--
WIST5045	248	1	1	0	4	0	8	3	15	0	17	2	27	6	16	5	27	8	28	6	39	3	32	0	0	0	0
# Fail	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
% Fail	0.8%	0.0%	0.0%	--	0.0%	--	0.0%	0.0%	6.7%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--	--
WIST5049	5,936	14	51	13	93	25	133	48	275	61	411	74	542	96	430	80	650	131	803	111	945	73	812	56	7	2	0
# Fail	128	1	1	3	5	0	10	2	17	2	13	1	17	7	12	4	9	3	10	1	6	1	3	0	0	0	0
% Fail	2.2%	7.1%	2.0%	23.1%	5.4%	0.0%	7.5%	4.2%	6.2%	3.3%	3.2%	1.4%	3.1%	7.3%	2.8%	5.0%	1.4%	2.3%	1.2%	0.9%	0.6%	1.4%	0.4%	0.0%	0.0%	0.0%	--
WIST5053	1,040	6	20	5	42	8	55	10	81	11	106	23	116	12	63	13	89	22	107	17	131	4	96	3	0	0	0
# Fail	33	2	0	0	2	0	0	1	6	0	8	0	4	1	2	1	3	1	1	0	0	0	1	0	0	0	0
% Fail	3.2%	33.3%	0.0%	0.0%	4.8%	0.0%	0.0%	10.0%	7.4%	0.0%	7.5%	0.0%	3.4%	8.3%	3.2%	7.7%	3.4%	4.5%	0.9%	0.0%	0.0%	0.0%	1.0%	0.0%	--	--	--
WIST5055	11,188	24	108	53	227	78	317	154	566	202	818	288	1,075	341	817	267	1,186	291	1,304	310	1,424	127	1,151	45	12	3	0
# Fail	527	4	9	4	18	7	35	29	63	21	64	37	72	23	36	18	35	8	20	3	8	1	9	3	0	0	0
% Fail	4.7%	16.7%	8.3%	7.5%	7.9%	9.0%	11.0%	18.8%	11.1%	10.4%	7.8%	12.8%	6.7%	6.7%	4.4%	6.7%	3.0%	2.7%	1.5%	1.0%	0.6%	0.8%	0.8%	6.7%	0.0%	0.0%	--
WIST5058	777	2	10	7	11	3	22	14	40	15	72	22	81	24	43	14	79	22	79	27	95	13	74	7	0	1	0

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	41	0	0	1	3	0	3	2	5	1	3	3	6	3	2	1	3	3	0	0	0	1	1	0	0	0	0
% Fail	5.3%	0.0%	0.0%	14.3%	27.3%	0.0%	13.6%	14.3%	12.5%	6.7%	4.2%	13.6%	7.4%	12.5%	4.7%	7.1%	3.8%	13.6%	0.0%	0.0%	0.0%	7.7%	1.4%	0.0%	--	0.0%	--
WIST5066	5,351	22	68	21	113	48	189	85	329	94	456	122	480	127	380	111	521	140	577	138	706	60	531	22	8	3	0
# Fail	197	1	4	3	10	4	13	9	26	11	26	8	21	3	11	6	12	2	20	1	3	0	3	0	0	0	0
% Fail	3.7%	4.5%	5.9%	14.3%	8.8%	8.3%	6.9%	10.6%	7.9%	11.7%	5.7%	6.6%	4.4%	2.4%	2.9%	5.4%	2.3%	1.4%	3.5%	0.7%	0.4%	0.0%	0.6%	0.0%	0.0%	0.0%	--
WIST5074	2,768	7	20	14	41	25	93	32	137	48	220	62	287	91	194	69	256	87	316	91	322	55	282	12	6	1	0
# Fail	144	1	1	3	5	4	9	6	17	6	23	7	21	6	9	5	1	3	7	2	5	0	3	0	0	0	0
% Fail	5.2%	14.3%	5.0%	21.4%	12.2%	16.0%	9.7%	18.8%	12.4%	12.5%	10.5%	11.3%	7.3%	6.6%	4.6%	7.2%	0.4%	3.4%	2.2%	2.2%	1.6%	0.0%	1.1%	0.0%	0.0%	0.0%	--
WIST5077	13,555	23	122	41	194	60	310	90	588	123	908	166	1,168	233	980	168	1,509	322	1,825	313	2,186	170	1,971	66	15	3	1
# Fail	303	0	6	6	9	5	17	11	33	5	44	8	41	11	30	3	22	6	22	3	16	1	4	0	0	0	0
% Fail	2.2%	0.0%	4.9%	14.6%	4.6%	8.3%	5.5%	12.2%	5.6%	4.1%	4.8%	4.8%	3.5%	4.7%	3.1%	1.8%	1.5%	1.9%	1.2%	1.0%	0.7%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%
WIST5079	1,392	1	7	3	17	3	25	6	62	11	72	14	93	20	85	27	136	23	177	36	278	12	269	8	2	4	1
# Fail	14	0	0	1	1	1	0	0	3	0	2	1	0	1	0	1	2	0	0	0	0	1	0	0	0	0	0
% Fail	1.0%	0.0%	0.0%	33.3%	5.9%	33.3%	0.0%	0.0%	4.8%	0.0%	2.8%	7.1%	0.0%	5.0%	0.0%	3.7%	1.5%	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%
WIST5080	144	0	2	0	2	0	3	1	5	2	10	0	12	4	7	2	14	5	16	2	36	2	19	0	0	0	0
# Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	0.0%	--	0.0%	--	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--	--
WIST5081	16,547	37	168	57	308	108	536	138	772	216	1,141	222	1,448	336	1,132	283	1,640	347	2,158	385	2,600	195	2,194	117	7	2	0
# Fail	489	3	9	8	23	15	38	17	42	12	56	24	72	13	42	7	41	2	36	6	14	1	8	0	0	0	0
% Fail	3.0%	8.1%	5.4%	14.0%	7.5%	13.9%	7.1%	12.3%	5.4%	5.6%	4.9%	10.8%	5.0%	3.9%	3.7%	2.5%	2.5%	0.6%	1.7%	1.6%	0.5%	0.5%	0.4%	0.0%	0.0%	0.0%	--
WIST5082	2,220	3	29	9	47	19	85	21	125	29	172	27	184	45	158	23	211	43	281	51	336	15	301	2	2	2	0
# Fail	69	0	4	1	5	1	7	1	13	1	7	3	5	3	4	1	4	1	4	2	2	0	0	0	0	0	0
% Fail	3.1%	0.0%	13.8%	11.1%	10.6%	5.3%	8.2%	4.8%	10.4%	3.4%	4.1%	11.1%	2.7%	6.7%	2.5%	4.3%	1.9%	2.3%	1.4%	3.9%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST5083	1,371	4	15	6	32	9	45	18	57	21	90	43	110	44	111	30	139	32	154	42	197	10	161	1	0	0	0
# Fail	66	1	2	1	4	0	1	4	9	1	9	5	7	4	5	2	3	1	2	2	3	0	0	0	0	0	0
% Fail	4.8%	25.0%	13.3%	16.7%	12.5%	0.0%	2.2%	22.2%	15.8%	4.8%	10.0%	11.6%	6.4%	9.1%	4.5%	6.7%	2.2%	3.1%	1.3%	4.8%	1.5%	0.0%	0.0%	0.0%	--	--	--
WIST5084	620	1	7	1	13	5	25	6	36	9	52	11	67	18	39	10	56	18	85	11	84	3	63	0	0	0	0
# Fail	22	0	1	0	3	1	3	0	2	0	2	0	3	1	1	0	1	0	2	1	1	0	0	0	0	0	0
% Fail	3.5%	0.0%	14.3%	0.0%	23.1%	20.0%	12.0%	0.0%	5.6%	0.0%	3.8%	0.0%	4.5%	5.6%	2.6%	0.0%	1.8%	0.0%	2.4%	9.1%	1.2%	0.0%	0.0%	--	--	--	--
WIST5085	2,195	3	13	1	26	8	34	4	76	12	98	23	147	26	156	20	201	41	317	59	437	29	432	28	3	1	0
# Fail	48	0	0	0	3	0	2	0	4	0	7	1	6	0	6	0	7	0	4	0	8	0	0	0	0	0	0
% Fail	2.2%	0.0%	0.0%	0.0%	11.5%	0.0%	5.9%	0.0%	5.3%	0.0%	7.1%	4.3%	4.1%	0.0%	3.8%	0.0%	3.5%	0.0%	1.3%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST5086	5,663	10	46	11	99	23	145	43	292	49	358	66	516	111	430	90	583	114	731	126	880	60	839	37	0	4	0
# Fail	113	1	1	1	5	1	9	0	12	4	21	2	15	3	13	2	9	0	10	0	3	0	1	0	0	0	0
% Fail	2.0%	10.0%	2.2%	9.1%	5.1%	4.3%	6.2%	0.0%	4.1%	8.2%	5.9%	3.0%	2.9%	2.7%	3.0%	2.2%	1.5%	0.0%	1.4%	0.0%	0.3%	0.0%	0.1%	0.0%	--	0.0%	--
WIST5087	6,625	12	75	32	123	51	200	78	347	113	445	151	569	147	420	132	579	148	836	182	1,019	81	827	48	5	5	0
# Fail	243	1	6	0	7	1	20	9	22	11	30	6	37	11	15	4	21	6	14	2	13	1	5	1	0	0	0
% Fail	3.7%	8.3%	8.0%	0.0%	5.7%	2.0%	10.0%	11.5%	6.3%	9.7%	6.7%	4.0%	6.5%	7.5%	3.6%	3.0%	3.6%	4.1%	1.7%	1.1%	1.3%	1.2%	0.6%	2.1%	0.0%	0.0%	--
WIST5088	476	3	5	2	11	2	18	8	31	8	34	5	43	12	37	11	39	13	53	14	55	7	59	4	0	2	0

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	16	0	0	0	2	0	2	0	3	1	5	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0		
% Fail	3.4%	0.0%	0.0%	0.0%	18.2%	0.0%	11.1%	0.0%	9.7%	12.5%	14.7%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	7.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--
WIST5089	23	0	0	0	1	0	1	0	0	1	1	1	0	1	0	3	0	1	6	2	1	0	2	2	0	0	0	
# Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	0.0%	--	--	--	0.0%	--	0.0%	--	--	0.0%	0.0%	0.0%	--	0.0%	--	0.0%	--	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	--	--	--	
WIST5090	10	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	2	0	2	0	1	1	0	0	0	0	
# Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	0.0%	--	--	--	--	--	--	--	--	0.0%	--	--	0.0%	0.0%	0.0%	--	--	0.0%	--	0.0%	--	0.0%	0.0%	--	--	--	--	
WIST6001	9,638	32	162	50	315	118	455	173	658	193	819	236	929	266	662	190	870	190	997	201	1,078	79	913	34	12	6	0	
# Fail	586	5	20	5	27	12	55	22	84	29	68	32	73	28	36	8	35	3	20	2	12	0	10	0	0	0	0	
% Fail	6.1%	15.6%	12.3%	10.0%	8.6%	10.2%	12.1%	12.7%	12.8%	15.0%	8.3%	13.6%	7.9%	10.5%	5.4%	4.2%	4.0%	1.6%	2.0%	1.0%	1.1%	0.0%	1.1%	0.0%	0.0%	0.0%	--	
WIST6004	5,824	11	36	5	84	26	156	36	241	52	364	51	495	96	381	81	594	101	838	140	1,046	55	893	41	1	0	0	
# Fail	119	2	2	0	3	2	9	2	16	2	14	1	15	3	11	2	10	3	8	1	10	1	2	0	0	0	0	
% Fail	2.0%	18.2%	5.6%	0.0%	3.6%	7.7%	5.8%	5.6%	6.6%	3.8%	3.8%	2.0%	3.0%	3.1%	2.9%	2.5%	1.7%	3.0%	1.0%	0.7%	1.0%	1.8%	0.2%	0.0%	0.0%	--	--	
WIST6007	745	4	9	4	24	1	29	8	44	11	62	15	87	13	53	11	68	15	72	13	102	11	87	1	1	0	0	
# Fail	14	1	0	1	1	0	0	0	2	0	0	0	2	0	0	0	4	1	1	0	1	0	0	0	0	0	0	
% Fail	1.9%	25.0%	0.0%	25.0%	4.2%	0.0%	0.0%	0.0%	4.5%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%	5.9%	6.7%	1.4%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST6013	3,373	3	23	4	43	9	61	18	118	32	194	24	288	40	287	27	377	52	490	62	626	33	553	3	5	1	0	
# Fail	59	0	2	0	5	2	6	2	4	0	9	0	12	2	5	0	2	0	5	0	1	0	2	0	0	0	0	
% Fail	1.7%	0.0%	8.7%	0.0%	11.6%	22.2%	9.8%	11.1%	3.4%	0.0%	4.6%	0.0%	4.2%	5.0%	1.7%	0.0%	0.5%	0.0%	1.0%	0.0%	0.2%	0.0%	0.4%	0.0%	0.0%	0.0%	--	
WIST6018	1,606	5	28	8	40	23	73	32	114	40	132	54	142	44	100	38	124	34	141	37	203	22	172	0	0	0	0	
# Fail	80	2	0	0	6	4	8	8	12	4	7	3	6	4	4	1	5	1	0	0	2	2	1	0	0	0	0	
% Fail	5.0%	40.0%	0.0%	0.0%	15.0%	17.4%	11.0%	25.0%	10.5%	10.0%	5.3%	5.6%	4.2%	9.1%	4.0%	2.6%	4.0%	2.9%	0.0%	0.0%	1.0%	9.1%	0.6%	--	--	--	--	
WIST6021	1,812	2	12	3	28	7	56	8	65	19	110	13	171	17	114	22	182	32	270	34	330	30	269	16	2	0	0	
# Fail	25	0	1	0	1	0	5	0	4	0	4	1	7	0	0	0	1	0	0	0	1	0	0	0	0	0	0	
% Fail	1.4%	0.0%	8.3%	0.0%	3.6%	0.0%	8.9%	0.0%	6.2%	0.0%	3.6%	7.7%	4.1%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST6022	2,952	7	20	7	50	14	62	22	107	36	170	37	223	44	202	48	267	54	456	87	509	48	447	32	3	0	0	
# Fail	64	0	4	1	1	2	3	0	4	4	10	1	6	3	5	0	6	1	4	1	4	1	3	0	0	0	0	
% Fail	2.2%	0.0%	20.0%	14.3%	2.0%	14.3%	4.8%	0.0%	3.7%	11.1%	5.9%	2.7%	2.7%	6.8%	2.5%	0.0%	2.2%	1.9%	0.9%	1.1%	0.8%	2.1%	0.7%	0.0%	0.0%	--	--	
WIST6026	1,531	4	12	3	25	5	44	8	49	19	84	19	110	26	85	23	160	32	229	36	270	17	245	25	1	0	0	
# Fail	29	0	0	0	1	0	4	0	1	1	5	0	7	2	0	0	3	0	1	1	1	1	1	0	0	0	0	
% Fail	1.9%	0.0%	0.0%	0.0%	4.0%	0.0%	9.1%	0.0%	2.0%	5.3%	6.0%	0.0%	6.4%	7.7%	0.0%	0.0%	1.9%	0.0%	0.4%	2.8%	0.4%	5.9%	0.4%	0.0%	0.0%	--	--	
WIST6031	2,899	3	22	4	58	9	65	10	132	34	194	28	246	48	226	52	336	50	349	76	456	38	438	20	5	0	0	
# Fail	74	0	0	0	3	0	3	1	7	2	10	3	14	0	9	0	8	0	6	1	7	0	0	0	0	0	0	
% Fail	2.6%	0.0%	0.0%	0.0%	5.2%	0.0%	4.6%	10.0%	5.3%	5.9%	5.2%	10.7%	5.7%	0.0%	4.0%	0.0%	2.4%	0.0%	1.7%	1.3%	1.5%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST6033	1,041	0	8	5	18	5	29	10	44	8	72	12	82	8	63	20	103	16	143	34	192	17	149	3	0	0	0	
# Fail	24	0	0	0	0	0	3	2	2	0	3	2	2	0	4	2	1	0	2	1	0	0	0	0	0	0	0	
% Fail	2.3%	--	0.0%	0.0%	0.0%	0.0%	10.3%	20.0%	4.5%	0.0%	4.2%	16.7%	2.4%	0.0%	6.3%	10.0%	1.0%	0.0%	1.4%	2.9%	0.0%	0.0%	0.0%	0.0%	--	--	--	
WIST6034	326	0	0	1	5	2	9	3	11	8	18	5	23	10	22	10	24	13	41	15	47	10	48	0	1	0	0	

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	7	0	0	0	1	0	0	0	1	1	0	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	
% Fail	2.1%	--	--	0.0%	20.0%	0.0%	0.0%	0.0%	9.1%	12.5%	0.0%	0.0%	4.3%	10.0%	0.0%	10.0%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--	
WIST6035	3,306	5	24	9	63	24	91	50	183	67	234	97	315	100	260	70	301	99	396	91	426	36	341	15	7	2	0
# Fail	157	0	1	1	7	4	12	5	20	6	18	12	16	9	7	2	12	3	10	2	5	0	5	0	0	0	0
% Fail	4.7%	0.0%	4.2%	11.1%	11.1%	16.7%	13.2%	10.0%	10.9%	9.0%	7.7%	12.4%	5.1%	9.0%	2.7%	2.9%	4.0%	3.0%	2.5%	2.2%	1.2%	0.0%	1.5%	0.0%	0.0%	0.0%	--
WIST6037	5,647	15	83	41	172	68	238	119	340	133	465	151	533	175	395	108	504	146	595	156	639	58	487	18	5	3	0
# Fail	313	0	12	7	20	6	26	18	38	18	43	10	30	13	16	6	22	3	10	4	4	3	4	0	0	0	0
% Fail	5.5%	0.0%	14.5%	17.1%	11.6%	8.8%	10.9%	15.1%	11.2%	13.5%	9.2%	6.6%	5.6%	7.4%	4.1%	5.6%	4.4%	2.1%	1.7%	2.6%	0.6%	5.2%	0.8%	0.0%	0.0%	0.0%	--
WIST6039	2,655	4	8	5	33	11	40	15	58	30	108	31	173	43	161	44	255	61	442	87	526	50	439	23	7	1	0
# Fail	63	1	0	0	2	0	2	3	6	2	8	4	4	2	3	2	4	1	8	0	6	1	4	0	0	0	0
% Fail	2.4%	25.0%	0.0%	0.0%	6.1%	0.0%	5.0%	20.0%	10.3%	6.7%	7.4%	12.9%	2.3%	4.7%	1.9%	4.5%	1.6%	1.6%	1.8%	0.0%	1.1%	2.0%	0.9%	0.0%	0.0%	0.0%	--
WIST6042	973	3	15	6	25	11	23	8	66	14	108	30	94	16	62	24	87	15	102	29	116	17	93	8	1	0	0
# Fail	29	0	2	0	3	0	0	1	4	0	4	0	4	6	2	0	1	0	1	0	1	0	0	0	0	0	0
% Fail	3.0%	0.0%	13.3%	0.0%	12.0%	0.0%	0.0%	12.5%	6.1%	0.0%	3.7%	0.0%	4.3%	37.5%	3.2%	0.0%	1.1%	0.0%	1.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	--	--
WIST6043	2,984	13	38	16	85	51	130	54	198	89	270	106	345	127	240	67	263	75	272	69	261	18	189	6	0	2	0
# Fail	204	2	2	0	11	9	15	8	28	7	28	9	26	8	12	7	10	5	9	1	2	1	4	0	0	0	0
% Fail	6.8%	15.4%	5.3%	0.0%	12.9%	17.6%	11.5%	14.8%	14.1%	7.9%	10.4%	8.5%	7.5%	6.3%	5.0%	10.4%	3.8%	6.7%	3.3%	1.4%	0.8%	5.6%	2.1%	0.0%	--	0.0%	--
WIST6044	2,523	9	33	6	64	14	102	45	181	47	234	55	249	57	177	52	245	65	282	52	290	24	229	11	0	0	0
# Fail	79	1	3	0	0	1	8	3	12	3	12	5	12	4	3	5	4	0	2	0	1	0	0	0	0	0	0
% Fail	3.1%	11.1%	9.1%	0.0%	0.0%	7.1%	7.8%	6.7%	6.6%	6.4%	5.1%	9.1%	4.8%	7.0%	1.7%	9.6%	1.6%	0.0%	0.7%	0.0%	0.3%	0.0%	0.0%	0.0%	--	--	--
WIST6047	1,908	2	19	5	18	3	48	11	73	10	132	18	172	27	141	12	224	28	279	43	348	9	282	4	0	0	0
# Fail	50	0	2	0	3	0	4	0	3	1	5	2	5	1	5	0	7	1	4	0	5	0	2	0	0	0	0
% Fail	2.6%	0.0%	10.5%	0.0%	16.7%	0.0%	8.3%	0.0%	4.1%	10.0%	3.8%	11.1%	2.9%	3.7%	3.5%	0.0%	3.1%	3.6%	1.4%	0.0%	1.4%	0.0%	0.7%	0.0%	--	--	--
WIST6048	7,055	15	49	31	114	33	169	71	306	117	447	137	649	192	526	165	725	183	929	190	1,025	79	873	17	12	1	0
# Fail	295	1	6	4	16	5	21	9	33	13	42	9	29	19	20	10	16	6	18	5	10	1	2	0	0	0	0
% Fail	4.2%	6.7%	12.2%	12.9%	14.0%	15.2%	12.4%	12.7%	10.8%	11.1%	9.4%	6.6%	4.5%	9.9%	3.8%	6.1%	2.2%	3.3%	1.9%	2.6%	1.0%	1.3%	0.2%	0.0%	0.0%	0.0%	--
WIST6049	788	1	7	8	14	12	30	21	41	28	73	35	76	51	54	26	65	32	69	28	59	7	48	2	0	1	0
# Fail	55	0	1	2	4	4	7	2	3	1	5	6	6	2	5	3	0	0	2	1	0	1	0	0	0	0	0
% Fail	7.0%	0.0%	14.3%	25.0%	28.6%	33.3%	23.3%	9.5%	7.3%	3.6%	6.8%	17.1%	7.9%	3.9%	9.3%	11.5%	0.0%	0.0%	2.9%	3.6%	0.0%	14.3%	0.0%	0.0%	--	0.0%	--
WIST6050	620	1	5	2	9	2	10	1	18	9	33	11	45	10	54	6	64	12	99	7	122	5	91	1	2	1	0
# Fail	21	0	0	0	1	0	1	1	1	3	2	0	2	0	1	1	3	0	4	0	1	0	0	0	0	0	0
% Fail	3.4%	0.0%	0.0%	0.0%	11.1%	0.0%	10.0%	100%	5.6%	33.3%	6.1%	0.0%	4.4%	0.0%	1.9%	16.7%	4.7%	0.0%	4.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST6051	1,902	7	30	4	28	26	75	29	105	38	159	39	201	58	124	43	166	58	214	53	242	10	187	1	2	3	0
# Fail	90	0	4	0	4	4	10	4	7	2	12	3	12	3	5	2	11	0	2	2	2	0	1	0	0	0	0
% Fail	4.7%	0.0%	13.3%	0.0%	14.3%	15.4%	13.3%	13.8%	6.7%	5.3%	7.5%	7.7%	6.0%	5.2%	4.0%	4.7%	6.6%	0.0%	0.9%	3.8%	0.8%	0.0%	0.5%	0.0%	0.0%	0.0%	--
WIST6052	3,752	14	61	12	91	35	140	40	199	52	289	60	371	76	258	47	405	69	467	78	502	20	459	5	2	0	0
# Fail	115	4	6	1	7	2	17	4	18	1	11	6	9	7	3	2	5	2	5	2	3	0	0	0	0	0	0
% Fail	3.1%	28.6%	9.8%	8.3%	7.7%	5.7%	12.1%	10.0%	9.0%	1.9%	3.8%	10.0%	2.4%	9.2%	1.2%	4.3%	1.2%	2.9%	1.1%	2.6%	0.6%	0.0%	0.0%	0.0%	0.0%	--	--
WIST6053	1,909	5	6	3	27	7	42	21	89	19	133	33	176	32	134	29	198	57	256	38	307	29	262	5	0	1	0

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	45	0	1	1	5	1	2	1	1	1	11	1	3	0	4	0	4	1	2	1	2	0	3	0	0	0	0
% Fail	2.4%	0.0%	16.7%	33.3%	18.5%	14.3%	4.8%	4.8%	1.1%	5.3%	8.3%	3.0%	1.7%	0.0%	3.0%	0.0%	2.0%	1.8%	0.8%	2.6%	0.7%	0.0%	1.1%	0.0%	--	0.0%	--
WIST6054	1,079	4	11	5	24	3	42	12	56	15	73	13	103	23	60	19	94	24	138	31	154	13	154	7	1	0	0
# Fail	29	0	0	0	2	0	2	1	1	3	4	1	3	0	5	0	5	0	1	1	0	0	0	0	0	0	0
% Fail	2.7%	0.0%	0.0%	0.0%	8.3%	0.0%	4.8%	8.3%	1.8%	20.0%	5.5%	7.7%	2.9%	0.0%	8.3%	0.0%	5.3%	0.0%	0.7%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST6055	441	1	3	2	7	2	11	3	11	7	24	10	35	10	37	2	40	19	50	9	72	6	74	2	0	4	0
# Fail	8	0	0	1	0	0	0	0	2	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0
% Fail	1.8%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	18.2%	14.3%	0.0%	0.0%	2.9%	10.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%	--	0.0%	--
WIST6056	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0
# Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	0.0%	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	--	--	--	--	--	0.0%	--
WIST7004	6,460	17	73	19	135	50	251	98	384	92	488	112	595	144	449	90	661	128	759	160	890	63	763	24	9	6	0
# Fail	263	2	6	2	13	3	25	14	28	5	34	6	35	13	21	4	20	4	16	3	7	1	1	0	0	0	0
% Fail	4.1%	11.8%	8.2%	10.5%	9.6%	6.0%	10.0%	14.3%	7.3%	5.4%	7.0%	5.4%	5.9%	9.0%	4.7%	4.4%	3.0%	3.1%	2.1%	1.9%	0.8%	1.6%	0.1%	0.0%	0.0%	0.0%	--
WIST7006	556	0	3	4	14	4	13	2	17	10	27	6	39	8	34	4	43	7	78	22	96	10	108	5	0	2	0
# Fail	20	0	0	1	3	0	0	0	4	0	1	0	3	1	3	0	2	0	0	0	0	0	2	0	0	0	0
% Fail	3.6%	--	0.0%	25.0%	21.4%	0.0%	0.0%	0.0%	23.5%	0.0%	3.7%	0.0%	7.7%	12.5%	8.8%	0.0%	4.7%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.0%	--	0.0%	--
WIST7009	2,102	1	9	6	31	13	41	22	85	28	125	30	173	60	144	32	235	54	269	50	337	26	307	12	10	2	0
# Fail	49	0	1	3	3	0	2	3	5	4	9	0	6	0	3	1	7	0	1	0	1	0	0	0	0	0	0
% Fail	2.3%	0.0%	11.1%	50.0%	9.7%	0.0%	4.9%	13.6%	5.9%	14.3%	7.2%	0.0%	3.5%	0.0%	2.1%	3.1%	3.0%	0.0%	0.4%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST7011	5,588	19	67	23	132	53	187	69	314	88	421	94	421	100	361	91	503	108	671	154	854	66	763	25	4	0	0
# Fail	196	3	5	1	12	3	18	6	21	9	21	5	23	1	12	3	18	7	18	3	7	0	0	0	0	0	0
% Fail	3.5%	15.8%	7.5%	4.3%	9.1%	5.7%	9.6%	8.7%	6.7%	10.2%	5.0%	5.3%	5.5%	1.0%	3.3%	3.3%	3.6%	6.5%	2.7%	1.9%	0.8%	0.0%	0.0%	0.0%	0.0%	--	--
WIST7014	14,443	33	133	44	241	95	423	96	626	168	1,004	213	1,178	272	1,044	234	1,466	288	1,912	359	2,232	145	2,143	77	16	1	0
# Fail	363	3	10	2	15	5	30	12	30	9	48	12	51	8	22	5	33	7	26	3	23	2	7	0	0	0	0
% Fail	2.5%	9.1%	7.5%	4.5%	6.2%	5.3%	7.1%	12.5%	4.8%	5.4%	4.8%	5.6%	4.3%	2.9%	2.1%	2.1%	2.3%	2.4%	1.4%	0.8%	1.0%	1.4%	0.3%	0.0%	0.0%	0.0%	--
WIST7016	9,223	8	65	12	117	28	193	43	339	75	533	119	775	144	574	131	980	182	1,350	202	1,683	113	1,478	65	14	0	0
# Fail	174	0	3	2	10	1	19	2	10	2	22	4	21	2	12	1	22	1	25	0	12	1	2	0	0	0	0
% Fail	1.9%	0.0%	4.6%	16.7%	8.5%	3.6%	9.8%	4.7%	2.9%	2.7%	4.1%	3.4%	2.7%	1.4%	2.1%	0.8%	2.2%	0.5%	1.9%	0.0%	0.7%	0.9%	0.1%	0.0%	0.0%	--	--
WIST7020	838	2	14	4	20	7	30	4	49	11	71	7	77	16	63	11	81	13	107	13	125	7	103	3	0	0	0
# Fail	30	0	3	0	0	1	4	0	3	0	3	0	6	0	4	0	3	0	2	0	1	0	0	0	0	0	0
% Fail	3.6%	0.0%	21.4%	0.0%	0.0%	14.3%	13.3%	0.0%	6.1%	0.0%	4.2%	0.0%	7.8%	0.0%	6.3%	0.0%	3.7%	0.0%	1.9%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	--	--
WIST7022	4,792	6	36	8	73	25	92	41	211	51	313	76	401	84	359	78	464	94	607	123	769	54	775	43	7	2	0
# Fail	82	0	1	0	4	3	7	2	11	3	13	2	10	2	7	3	3	0	7	1	2	0	1	0	0	0	0
% Fail	1.7%	0.0%	2.8%	0.0%	5.5%	12.0%	7.6%	4.9%	5.2%	5.9%	4.2%	2.6%	2.5%	2.4%	1.9%	3.8%	0.6%	0.0%	1.2%	0.8%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	--
WIST7023	14	0	0	0	1	0	1	0	1	1	2	0	2	1	1	0	1	0	0	0	1	0	2	0	0	0	0
# Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	0.0%	--	--	--	0.0%	--	0.0%	--	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	--	0.0%	--	--	--	0.0%	--	0.0%	--	--	--	--
WIST7031	1,328	2	2	1	18	5	21	6	49	13	78	7	105	20	100	17	127	26	202	32	248	14	221	11	3	0	0

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	28	0	0	1	2	0	0	2	3	1	2	2	6	0	4	1	2	0	1	0	0	0	1	0	0	0	0
% Fail	2.1%	0.0%	0.0%	100%	11.1%	0.0%	0.0%	33.3%	6.1%	7.7%	2.6%	28.6%	5.7%	0.0%	4.0%	5.9%	1.6%	0.0%	0.5%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	--	--
WIST7033	7,652	31	120	26	197	73	287	105	483	159	619	192	731	170	530	133	685	160	884	199	968	71	790	34	3	2	0
# Fail	332	4	10	2	18	12	30	12	37	11	40	18	38	15	21	3	23	2	21	2	8	1	3	0	1	0	0
% Fail	4.3%	12.9%	8.3%	7.7%	9.1%	16.4%	10.5%	11.4%	7.7%	6.9%	6.5%	9.4%	5.2%	8.8%	4.0%	2.3%	3.4%	1.3%	2.4%	1.0%	0.8%	1.4%	0.4%	0.0%	33.3%	0.0%	--
WIST7036	6,263	22	81	27	148	61	204	84	393	111	506	133	588	144	442	112	578	147	703	145	867	65	669	24	9	0	0
# Fail	294	4	4	3	21	3	25	14	36	10	42	12	34	6	18	6	15	4	16	2	15	1	3	0	0	0	0
% Fail	4.7%	18.2%	4.9%	11.1%	14.2%	4.9%	12.3%	16.7%	9.2%	9.0%	8.3%	9.0%	5.8%	4.2%	4.1%	5.4%	2.6%	2.7%	2.3%	1.4%	1.7%	1.5%	0.4%	0.0%	0.0%	--	--
WIST7039	2,219	5	15	5	32	6	56	15	93	15	133	21	187	33	153	16	226	40	331	42	382	31	357	21	3	1	0
# Fail	26	0	0	0	1	0	0	1	5	1	1	0	8	1	1	0	2	0	3	1	1	0	0	0	0	0	0
% Fail	1.2%	0.0%	0.0%	0.0%	3.1%	0.0%	0.0%	6.7%	5.4%	6.7%	0.8%	0.0%	4.3%	3.0%	0.7%	0.0%	0.9%	0.0%	0.9%	2.4%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST7040	2,440	3	31	4	37	13	71	17	94	24	179	31	191	37	173	44	257	45	319	76	389	43	348	14	0	0	0
# Fail	45	0	2	0	5	1	8	0	4	1	3	1	3	2	3	0	2	1	7	1	1	0	0	0	0	0	0
% Fail	1.8%	0.0%	6.5%	0.0%	13.5%	7.7%	11.3%	0.0%	4.3%	4.2%	1.7%	3.2%	1.6%	5.4%	1.7%	0.0%	0.8%	2.2%	2.2%	1.3%	0.3%	0.0%	0.0%	0.0%	--	--	--
WIST7041	1,002	3	7	0	15	4	24	4	41	12	62	13	102	19	74	21	101	31	119	28	162	15	141	3	1	0	0
# Fail	13	0	0	0	0	0	0	0	1	0	2	1	2	0	1	2	2	0	0	0	1	0	1	0	0	0	0
% Fail	1.3%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	2.4%	0.0%	3.2%	7.7%	2.0%	0.0%	1.4%	9.5%	2.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.7%	0.0%	0.0%	--	--
WIST7042	8,088	15	58	14	119	30	239	51	382	76	565	78	686	98	648	116	844	143	1,176	166	1,349	47	1,178	5	3	2	0
# Fail	215	1	3	1	5	4	16	6	27	6	29	5	34	5	19	4	15	4	17	4	5	0	5	0	0	0	0
% Fail	2.7%	6.7%	5.2%	7.1%	4.2%	13.3%	6.7%	11.8%	7.1%	7.9%	5.1%	6.4%	5.0%	5.1%	2.9%	3.4%	1.8%	2.8%	1.4%	2.4%	0.4%	0.0%	0.4%	0.0%	0.0%	0.0%	--
WIST7045	8,434	13	81	19	138	44	219	58	362	79	511	112	694	117	575	108	897	155	1,153	217	1,454	91	1,277	50	10	0	0
# Fail	226	0	2	5	9	0	15	2	23	11	31	10	33	2	21	3	23	4	15	3	11	0	2	1	0	0	0
% Fail	2.7%	0.0%	2.5%	26.3%	6.5%	0.0%	6.8%	3.4%	6.4%	13.9%	6.1%	8.9%	4.8%	1.7%	3.7%	2.8%	2.6%	2.6%	1.3%	1.4%	0.8%	0.0%	0.2%	2.0%	0.0%	--	--
WIST7049	2,295	6	16	2	24	9	51	8	105	18	157	25	170	37	152	24	239	35	320	44	422	24	391	13	3	0	0
# Fail	30	0	1	0	2	1	1	0	7	0	6	0	6	0	2	1	1	0	1	0	1	0	0	0	0	0	0
% Fail	1.3%	0.0%	6.3%	0.0%	8.3%	11.1%	2.0%	0.0%	6.7%	0.0%	3.8%	0.0%	3.5%	0.0%	1.3%	4.2%	0.4%	0.0%	0.3%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	--	--
WIST7052	9,205	15	68	22	116	31	223	63	335	85	503	119	706	136	635	130	900	210	1,368	282	1,629	156	1,382	79	8	4	0
# Fail	222	1	3	2	7	4	20	7	24	6	27	11	29	6	15	5	8	3	17	3	15	3	6	0	0	0	0
% Fail	2.4%	6.7%	4.4%	9.1%	6.0%	12.9%	9.0%	11.1%	7.2%	7.1%	5.4%	9.2%	4.1%	4.4%	2.4%	3.8%	0.9%	1.4%	1.2%	1.1%	0.9%	1.9%	0.4%	0.0%	0.0%	0.0%	--
WIST7053	2,024	7	34	9	49	16	72	19	129	27	137	32	168	36	135	36	195	41	235	51	306	25	251	13	1	0	0
# Fail	48	0	1	1	4	1	2	2	4	1	7	2	8	0	3	1	3	1	3	0	3	1	0	0	0	0	0
% Fail	2.4%	0.0%	2.9%	11.1%	8.2%	6.3%	2.8%	10.5%	3.1%	3.7%	5.1%	6.3%	4.8%	0.0%	2.2%	2.8%	1.5%	2.4%	1.3%	0.0%	1.0%	4.0%	0.0%	0.0%	0.0%	--	--
WIST7055	7,507	10	112	31	182	47	273	74	454	98	598	136	738	138	547	137	731	160	894	173	964	70	905	30	4	1	0
# Fail	213	0	6	3	13	5	16	7	29	7	27	8	26	3	21	0	13	3	15	0	9	0	2	0	0	0	0
% Fail	2.8%	0.0%	5.4%	9.7%	7.1%	10.6%	5.9%	9.5%	6.4%	7.1%	4.5%	5.9%	3.5%	2.2%	3.8%	0.0%	1.8%	1.9%	1.7%	0.0%	0.9%	0.0%	0.2%	0.0%	0.0%	0.0%	--
WIST7056	2,986	8	35	11	49	17	95	34	158	38	243	48	308	71	240	47	306	54	349	72	421	28	344	8	1	1	0
# Fail	86	0	1	1	1	5	5	2	15	3	14	3	13	4	6	0	5	0	4	0	4	0	0	0	0	0	0
% Fail	2.9%	0.0%	2.9%	9.1%	2.0%	29.4%	5.3%	5.9%	9.5%	7.9%	5.8%	6.3%	4.2%	5.6%	2.5%	0.0%	1.6%	0.0%	1.1%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST7061	1,191	4	18	3	26	9	48	12	68	14	87	21	113	18	82	18	98	17	144	27	189	15	154	6	0	0	0

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	40	0	1	0	2	3	2	3	3	1	1	1	6	1	4	1	3	0	5	1	1	0	1	0	0	0	0
% Fail	3.4%	0.0%	5.6%	0.0%	7.7%	33.3%	4.2%	25.0%	4.4%	7.1%	1.1%	4.8%	5.3%	5.6%	4.9%	5.6%	3.1%	0.0%	3.5%	3.7%	0.5%	0.0%	0.6%	0.0%	--	--	--
WIST7067	1,207	0	13	6	16	2	36	5	56	7	73	6	107	23	88	13	123	21	174	13	209	16	198	1	1	0	0
# Fail	32	0	2	1	1	0	2	0	2	0	7	1	5	2	5	1	0	0	2	0	1	0	0	0	0	0	0
% Fail	2.7%	--	15.4%	16.7%	6.3%	0.0%	5.6%	0.0%	3.6%	0.0%	9.6%	16.7%	4.7%	8.7%	5.7%	7.7%	0.0%	0.0%	1.1%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST7068	4,382	14	44	12	77	22	98	32	207	57	295	65	364	68	323	83	477	76	583	126	643	60	625	28	3	0	0
# Fail	120	0	0	0	6	2	7	2	13	0	21	2	18	6	11	4	7	3	10	1	5	0	2	0	0	0	0
% Fail	2.7%	0.0%	0.0%	0.0%	7.8%	9.1%	7.1%	6.3%	6.3%	0.0%	7.1%	3.1%	4.9%	8.8%	3.4%	4.8%	1.5%	3.9%	1.7%	0.8%	0.8%	0.0%	0.3%	0.0%	0.0%	0.0%	--
WIST7069	1,164	2	7	3	12	10	39	13	35	15	63	19	102	23	85	16	129	19	174	32	181	16	162	5	0	2	0
# Fail	26	1	2	0	0	0	1	0	1	1	4	0	4	2	1	1	2	0	5	0	1	0	0	0	0	0	0
% Fail	2.2%	50.0%	28.6%	0.0%	0.0%	0.0%	2.6%	0.0%	2.9%	6.7%	6.3%	0.0%	3.9%	8.7%	1.2%	6.3%	1.6%	0.0%	2.9%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST7070	4,179	3	31	4	52	21	119	31	160	48	237	40	326	79	331	75	451	79	596	93	673	63	629	29	8	1	0
# Fail	88	0	3	0	3	0	8	2	5	0	9	0	11	2	12	4	5	2	8	3	6	1	4	0	0	0	0
% Fail	2.1%	0.0%	9.7%	0.0%	5.8%	0.0%	6.7%	6.5%	3.1%	0.0%	3.8%	0.0%	3.4%	2.5%	3.6%	5.3%	1.1%	2.5%	1.3%	3.2%	0.9%	1.6%	0.6%	0.0%	0.0%	0.0%	--
WIST7071	2,607	6	24	9	52	11	83	29	149	36	220	43	221	41	226	47	232	55	383	51	346	39	296	6	2	0	0
# Fail	73	0	0	0	3	3	5	2	3	5	15	0	9	4	9	3	5	0	4	0	1	0	2	0	0	0	0
% Fail	2.8%	0.0%	0.0%	0.0%	5.8%	27.3%	6.0%	6.9%	2.0%	13.9%	6.8%	0.0%	4.1%	9.8%	4.0%	6.4%	2.2%	0.0%	1.0%	0.0%	0.3%	0.0%	0.7%	0.0%	0.0%	0.0%	--
WIST7072	1,591	4	16	7	26	10	41	13	80	18	111	13	130	22	122	22	189	28	250	28	240	6	211	4	0	0	0
# Fail	40	1	2	1	1	0	0	1	2	1	4	0	5	3	8	1	2	0	3	1	2	0	2	0	0	0	0
% Fail	2.5%	25.0%	12.5%	14.3%	3.8%	0.0%	0.0%	7.7%	2.5%	5.6%	3.6%	0.0%	3.8%	13.6%	6.6%	4.5%	1.1%	0.0%	1.2%	3.6%	0.8%	0.0%	0.9%	0.0%	--	--	--
WIST7073	3,714	10	55	17	75	24	116	42	207	40	274	71	309	88	221	67	356	88	402	105	578	53	496	15	4	1	0
# Fail	159	2	6	2	4	2	13	2	17	3	32	4	18	6	9	5	8	2	13	2	7	1	1	0	0	0	0
% Fail	4.3%	20.0%	10.9%	11.8%	5.3%	8.3%	11.2%	4.8%	8.2%	7.5%	11.7%	5.6%	5.8%	6.8%	4.1%	7.5%	2.2%	2.3%	3.2%	1.9%	1.2%	1.9%	0.2%	0.0%	0.0%	0.0%	--
WIST7074	7,009	27	153	56	232	109	373	157	618	207	707	243	814	259	484	162	590	205	586	145	535	52	264	17	14	0	0
# Fail	431	1	16	9	16	10	40	24	57	22	41	27	58	21	28	7	20	6	13	3	10	2	0	0	0	0	0
% Fail	6.1%	3.7%	10.5%	16.1%	6.9%	9.2%	10.7%	15.3%	9.2%	10.6%	5.8%	11.1%	7.1%	8.1%	5.8%	4.3%	3.4%	2.9%	2.2%	2.1%	1.9%	3.8%	0.0%	0.0%	0.0%	0.0%	--
WIST7075	3,228	7	48	13	65	20	124	33	170	46	241	41	281	56	228	34	290	52	429	72	473	32	445	22	5	1	0
# Fail	79	0	0	0	3	2	10	6	4	3	13	2	14	2	4	0	5	2	4	2	3	0	0	0	0	0	0
% Fail	2.4%	0.0%	0.0%	0.0%	4.6%	10.0%	8.1%	18.2%	2.4%	6.5%	5.4%	4.9%	5.0%	3.6%	1.8%	0.0%	1.7%	3.8%	0.9%	2.8%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST7076	7,988	10	53	12	117	36	208	51	348	73	499	104	666	144	576	122	794	172	1,104	185	1,281	101	1,263	61	8	0	0
# Fail	175	0	3	2	5	1	13	2	18	8	17	3	19	7	18	4	15	6	20	1	7	0	6	0	0	0	0
% Fail	2.2%	0.0%	5.7%	16.7%	4.3%	2.8%	6.3%	3.9%	5.2%	11.0%	3.4%	2.9%	2.9%	4.9%	3.1%	3.3%	1.9%	3.5%	1.8%	0.5%	0.5%	0.0%	0.5%	0.0%	0.0%	0.0%	--
WIST7081	5,513	10	61	25	110	57	192	68	340	103	431	130	545	150	437	103	515	122	609	127	704	58	587	22	5	2	0
# Fail	238	1	4	3	7	9	21	8	31	9	31	5	40	5	19	3	12	4	10	4	11	1	0	0	0	0	0
% Fail	4.3%	10.0%	6.6%	12.0%	6.4%	15.8%	10.9%	11.8%	9.1%	8.7%	7.2%	3.8%	7.3%	3.3%	4.3%	2.9%	2.3%	3.3%	1.6%	3.1%	1.6%	1.7%	0.0%	0.0%	0.0%	0.0%	--
WIST7086	4,105	12	18	5	53	23	104	31	176	43	234	44	332	75	270	52	386	97	528	98	712	69	703	34	5	1	0
# Fail	89	0	1	0	5	1	12	5	6	2	12	3	11	3	4	3	3	0	7	3	5	0	3	0	0	0	0
% Fail	2.2%	0.0%	5.6%	0.0%	9.4%	4.3%	11.5%	16.1%	3.4%	4.7%	5.1%	6.8%	3.3%	4.0%	1.5%	5.8%	0.8%	0.0%	1.3%	3.1%	0.7%	0.0%	0.4%	0.0%	0.0%	0.0%	--
WIST7088	4,110	12	47	14	65	24	124	47	192	61	269	80	358	78	276	84	366	98	506	110	620	37	621	16	4	1	0

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	139	3	4	2	5	5	11	5	13	2	13	6	16	4	11	4	11	2	12	3	4	0	3	0	0	0	0
% Fail	3.4%	25.0%	8.5%	14.3%	7.7%	20.8%	8.9%	10.6%	6.8%	3.3%	4.8%	7.5%	4.5%	5.1%	4.0%	4.8%	3.0%	2.0%	2.4%	2.7%	0.6%	0.0%	0.5%	0.0%	0.0%	0.0%	--
WIST7092	1,943	1	14	4	28	6	51	14	70	15	125	20	155	32	135	28	233	31	311	45	317	17	278	13	0	0	0
# Fail	51	0	0	0	2	0	2	2	7	2	5	1	8	0	6	0	5	0	8	1	0	0	2	0	0	0	0
% Fail	2.6%	0.0%	0.0%	0.0%	7.1%	0.0%	3.9%	14.3%	10.0%	13.3%	4.0%	5.0%	5.2%	0.0%	4.4%	0.0%	2.1%	0.0%	2.6%	2.2%	0.0%	0.0%	0.7%	0.0%	--	--	--
WIST7093	6,641	13	53	9	102	21	173	51	284	73	403	92	593	107	486	96	715	130	941	142	1,079	97	932	45	3	1	0
# Fail	266	1	5	1	8	2	23	10	22	7	23	10	26	13	16	8	17	11	19	10	16	5	10	3	0	0	0
% Fail	4.0%	7.7%	9.4%	11.1%	7.8%	9.5%	13.3%	19.6%	7.7%	9.6%	5.7%	10.9%	4.4%	12.1%	3.3%	8.3%	2.4%	8.5%	2.0%	7.0%	1.5%	5.2%	1.1%	6.7%	0.0%	0.0%	--
WIST7094	4,933	12	30	9	74	17	113	21	183	36	313	56	389	72	354	64	557	78	717	98	855	55	792	36	2	0	0
# Fail	79	1	0	1	3	1	5	3	6	1	14	3	13	0	5	1	6	1	7	0	5	0	3	0	0	0	0
% Fail	1.6%	8.3%	0.0%	11.1%	4.1%	5.9%	4.4%	14.3%	3.3%	2.8%	4.5%	5.4%	3.3%	0.0%	1.4%	1.6%	1.1%	1.3%	1.0%	0.0%	0.6%	0.0%	0.4%	0.0%	0.0%	--	--
WIST7095	2,384	2	22	7	39	12	68	12	115	16	143	22	199	28	172	33	268	32	318	50	380	46	391	9	0	0	0
# Fail	51	0	0	0	6	0	4	0	8	1	7	0	3	0	4	2	5	0	8	0	1	1	1	0	0	0	0
% Fail	2.1%	0.0%	0.0%	0.0%	15.4%	0.0%	5.9%	0.0%	7.0%	6.3%	4.9%	0.0%	1.5%	0.0%	2.3%	6.1%	1.9%	0.0%	2.5%	0.0%	0.3%	2.2%	0.3%	0.0%	--	--	--
WIST7098	1,749	2	9	1	22	6	48	8	93	21	121	25	138	38	135	26	157	27	258	36	287	20	265	5	1	0	0
# Fail	77	0	0	0	3	3	7	3	15	3	17	2	8	0	8	1	4	0	3	0	0	0	0	0	0	0	0
% Fail	4.4%	0.0%	0.0%	0.0%	13.6%	50.0%	14.6%	37.5%	16.1%	14.3%	14.0%	8.0%	5.8%	0.0%	5.9%	3.8%	2.5%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST7103	2,172	6	21	3	42	7	77	14	95	19	171	18	205	26	150	27	197	30	306	35	367	9	345	1	1	0	0
# Fail	52	0	4	0	4	1	3	2	12	1	10	1	5	1	2	1	3	0	1	0	1	0	0	0	0	0	0
% Fail	2.4%	0.0%	19.0%	0.0%	9.5%	14.3%	3.9%	14.3%	12.6%	5.3%	5.8%	5.6%	2.4%	3.8%	1.3%	3.7%	1.5%	0.0%	0.3%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST7106	4,122	2	23	5	41	13	64	18	165	28	239	36	373	42	349	54	524	63	586	80	712	29	644	17	13	2	0
# Fail	53	0	1	0	2	0	2	0	7	0	5	1	8	0	7	1	2	1	6	2	5	0	3	0	0	0	0
% Fail	1.3%	0.0%	4.3%	0.0%	4.9%	0.0%	3.1%	0.0%	4.2%	0.0%	2.1%	2.8%	2.1%	0.0%	2.0%	1.9%	0.4%	1.6%	1.0%	2.5%	0.7%	0.0%	0.5%	0.0%	0.0%	0.0%	--
WIST7115	469	1	5	0	13	3	22	2	33	2	27	2	46	6	33	10	48	12	55	4	69	7	64	5	0	0	0
# Fail	3	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	0.6%	0.0%	0.0%	--	0.0%	0.0%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST7120	2,925	8	35	20	63	30	84	48	161	89	246	97	292	109	216	106	248	113	280	87	289	30	265	7	1	0	1
# Fail	196	0	3	2	11	7	6	6	23	9	32	17	20	5	11	6	12	4	8	2	7	1	4	0	0	0	0
% Fail	6.7%	0.0%	8.6%	10.0%	17.5%	23.3%	7.1%	12.5%	14.3%	10.1%	13.0%	17.5%	6.8%	4.6%	5.1%	5.7%	4.8%	3.5%	2.9%	2.3%	2.4%	3.3%	1.5%	0.0%	0.0%	--	0.0%
WIST7123	1,169	2	9	4	17	9	24	14	44	23	71	20	78	31	78	24	125	30	147	39	187	22	167	4	0	0	0
# Fail	41	0	0	1	1	3	0	2	2	2	7	5	3	3	2	3	3	0	2	0	2	0	0	0	0	0	0
% Fail	3.5%	0.0%	0.0%	25.0%	5.9%	33.3%	0.0%	14.3%	4.5%	8.7%	9.9%	25.0%	3.8%	9.7%	2.6%	12.5%	2.4%	0.0%	1.4%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	--	--
WIST7124	3,902	5	17	4	58	12	79	37	149	60	228	77	334	120	278	91	398	114	492	109	618	70	528	20	3	1	0
# Fail	130	1	0	0	6	0	6	5	22	4	11	9	18	5	13	6	5	2	10	1	6	0	0	0	0	0	0
% Fail	3.3%	20.0%	0.0%	0.0%	10.3%	0.0%	7.6%	13.5%	14.8%	6.7%	4.8%	11.7%	5.4%	4.2%	4.7%	6.6%	1.3%	1.8%	2.0%	0.9%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST7126	1,632	5	11	5	39	5	44	10	76	25	108	22	169	27	113	29	175	31	184	36	275	17	212	13	0	1	0
# Fail	53	1	0	0	7	1	2	1	4	2	6	1	9	1	2	2	5	0	5	1	2	0	1	0	0	0	0
% Fail	3.2%	20.0%	0.0%	0.0%	17.9%	20.0%	4.5%	10.0%	5.3%	8.0%	5.6%	4.5%	5.3%	3.7%	1.8%	6.9%	2.9%	0.0%	2.7%	2.8%	0.7%	0.0%	0.5%	0.0%	--	0.0%	--
WIST7127	642	1	5	3	7	6	14	9	28	14	34	16	50	21	44	17	59	18	72	28	85	19	91	0	0	1	0

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	15	0	1	0	0	0	2	1	2	0	1	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
% Fail	2.3%	0.0%	20.0%	0.0%	0.0%	0.0%	14.3%	11.1%	7.1%	0.0%	2.9%	18.8%	4.0%	4.8%	2.3%	5.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
WIST7129	4,342	9	56	11	92	28	126	41	187	85	298	97	422	95	260	80	415	121	522	110	649	67	533	36	0	2	0	
# Fail	101	0	2	0	5	3	3	2	13	10	5	6	14	1	5	3	14	1	7	2	3	0	2	0	0	0	0	
% Fail	2.3%	0.0%	3.6%	0.0%	5.4%	10.7%	2.4%	4.9%	7.0%	11.8%	1.7%	6.2%	3.3%	1.1%	1.9%	3.8%	3.4%	0.8%	1.3%	1.8%	0.5%	0.0%	0.4%	0.0%	--	0.0%	--	
WIST7130	9,174	26	63	28	185	65	296	70	451	129	710	161	924	193	724	164	939	176	1,212	204	1,297	74	1,046	24	10	2	1	
# Fail	273	3	6	4	21	1	22	9	32	7	42	15	42	4	17	17	14	2	5	3	5	1	1	0	0	0	0	
% Fail	3.0%	11.5%	9.5%	14.3%	11.4%	1.5%	7.4%	12.9%	7.1%	5.4%	5.9%	9.3%	4.5%	2.1%	2.3%	10.4%	1.5%	1.1%	0.4%	1.5%	0.4%	1.4%	0.1%	0.0%	0.0%	0.0%	0.0%	
WIST7132	1,063	2	10	1	26	8	47	23	56	23	81	34	109	28	73	23	96	33	112	27	114	12	116	7	1	1	0	
# Fail	60	1	1	0	5	2	4	6	7	0	11	3	4	1	2	2	3	1	4	1	1	0	1	0	0	0	0	
% Fail	5.6%	50.0%	10.0%	0.0%	19.2%	25.0%	8.5%	26.1%	12.5%	0.0%	13.6%	8.8%	3.7%	3.6%	2.7%	8.7%	3.1%	3.0%	3.6%	3.7%	0.9%	0.0%	0.9%	0.0%	0.0%	0.0%	--	
WIST7134	429	2	6	1	8	4	22	5	22	7	29	10	37	9	33	3	50	7	44	13	65	5	47	0	0	0	0	
# Fail	6	0	1	0	0	0	2	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
% Fail	1.4%	0.0%	16.7%	0.0%	0.0%	0.0%	9.1%	0.0%	0.0%	14.3%	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--	
WIST7135	2,154	8	17	4	30	3	31	11	76	23	132	21	187	34	157	41	232	37	279	51	352	43	354	23	1	7	0	
# Fail	62	1	1	0	3	0	4	0	9	1	8	0	7	1	10	1	7	0	2	1	4	0	2	0	0	0	0	
% Fail	2.9%	12.5%	5.9%	0.0%	10.0%	0.0%	12.9%	0.0%	11.8%	4.3%	6.1%	0.0%	3.7%	2.9%	6.4%	2.4%	3.0%	0.0%	0.7%	2.0%	1.1%	0.0%	0.6%	0.0%	0.0%	0.0%	--	
WIST7136	210	1	2	0	6	1	9	3	12	3	14	9	12	5	14	4	17	6	23	7	28	6	25	2	0	1	0	
# Fail	8	0	1	0	1	0	1	2	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	
% Fail	3.8%	0.0%	50.0%	--	16.7%	0.0%	11.1%	66.7%	0.0%	0.0%	7.1%	0.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--
WIST7137	68	1	1	0	3	0	0	3	7	2	5	1	6	3	5	3	3	5	5	1	8	0	6	0	0	0	0	
# Fail	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
% Fail	2.9%	0.0%	0.0%	--	0.0%	--	--	0.0%	0.0%	0.0%	0.0%	100%	16.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--	--	--	--	
WIST7138	736	2	7	3	8	5	18	3	35	11	60	14	67	9	49	17	64	12	92	19	117	7	114	2	1	0	0	
# Fail	17	0	0	0	1	0	1	0	4	0	3	0	2	0	3	0	2	0	0	0	1	0	0	0	0	0	0	
% Fail	2.3%	0.0%	0.0%	0.0%	12.5%	0.0%	5.6%	0.0%	11.4%	0.0%	5.0%	0.0%	3.0%	0.0%	6.1%	0.0%	3.1%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST7140	1,880	0	9	0	22	6	40	5	49	11	90	17	126	26	134	34	150	40	276	43	371	32	377	21	0	1	0	
# Fail	31	0	1	0	0	0	3	0	1	1	6	0	2	2	1	0	1	2	5	1	4	1	0	0	0	0	0	
% Fail	1.6%	--	11.1%	--	0.0%	0.0%	7.5%	0.0%	2.0%	9.1%	6.7%	0.0%	1.6%	7.7%	0.7%	0.0%	0.7%	5.0%	1.8%	2.3%	1.1%	3.1%	0.0%	0.0%	--	0.0%	--	
WIST8001	1,626	5	9	5	18	5	35	7	59	25	93	22	98	23	108	24	172	40	219	37	311	13	284	10	4	0	0	
# Fail	30	0	0	1	1	0	4	0	5	1	4	1	4	0	0	2	4	0	1	0	1	0	1	0	0	0	0	
% Fail	1.8%	0.0%	0.0%	20.0%	5.6%	0.0%	11.4%	0.0%	8.5%	4.0%	4.3%	4.5%	4.1%	0.0%	0.0%	8.3%	2.3%	0.0%	0.5%	0.0%	0.3%	0.0%	0.4%	0.0%	0.0%	--	--	
WIST8003	22	1	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	2	0	0	2	0	0	0	13	0	
# Fail	3	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
% Fail	13.6%	100%	--	--	--	--	--	--	--	--	--	0.0%	100%	--	--	--	--	--	0.0%	--	--	0.0%	--	--	--	0.0%	--	
WIST8004	2,629	17	37	30	76	44	127	83	198	118	279	96	234	156	165	78	209	90	192	92	174	36	96	2	0	0	0	
# Fail	196	2	8	5	9	9	22	13	16	10	29	12	13	15	8	2	9	4	5	1	2	1	1	0	0	0	0	
% Fail	7.5%	11.8%	21.6%	16.7%	11.8%	20.5%	17.3%	15.7%	8.1%	8.5%	10.4%	12.5%	5.6%	9.6%	4.8%	2.6%	4.3%	4.4%	2.6%	1.1%	1.1%	2.8%	1.0%	0.0%	--	--	--	
WIST8008	4,662	15	64	38	134	64	183	84	300	124	380	145	457	169	334	130	368	127	444	125	504	50	395	25	1	2	0	

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	306	1	13	4	14	13	28	14	36	24	33	14	29	11	18	8	15	4	11	4	9	1	2	0	0	0	0	
% Fail	6.6%	6.7%	20.3%	10.5%	10.4%	20.3%	15.3%	16.7%	12.0%	19.4%	8.7%	9.7%	6.3%	6.5%	5.4%	6.2%	4.1%	3.1%	2.5%	3.2%	1.8%	2.0%	0.5%	0.0%	0.0%	0.0%	--	
WIST8009	4,220	3	31	11	69	27	129	30	180	53	264	54	348	68	254	62	438	80	622	108	701	35	622	31	0	0	0	
# Fail	108	0	1	0	3	2	9	1	12	1	17	3	21	4	9	1	6	1	11	0	6	0	0	0	0	0	0	
% Fail	2.6%	0.0%	3.2%	0.0%	4.3%	7.4%	7.0%	3.3%	6.7%	1.9%	6.4%	5.6%	6.0%	5.9%	3.5%	1.6%	1.4%	1.3%	1.8%	0.0%	0.9%	0.0%	0.0%	0.0%	--	--	--	
WIST8011	6,736	6	55	17	133	44	212	68	351	76	463	89	590	107	476	98	696	147	847	161	1,047	84	928	37	4	0	0	
# Fail	246	1	3	0	13	5	27	10	30	5	24	6	27	4	25	4	14	4	22	6	10	2	4	0	0	0	0	
% Fail	3.7%	16.7%	5.5%	0.0%	9.8%	11.4%	12.7%	14.7%	8.5%	6.6%	5.2%	6.7%	4.6%	3.7%	5.3%	4.1%	2.0%	2.7%	2.6%	3.7%	1.0%	2.4%	0.4%	0.0%	0.0%	--	--	
WIST8016	1,781	5	23	6	42	11	35	10	91	13	109	23	145	24	114	25	169	36	252	38	273	31	294	11	0	1	0	
# Fail	50	1	0	0	5	2	2	1	4	1	9	2	4	0	5	0	3	1	7	1	0	0	2	0	0	0	0	
% Fail	2.8%	20.0%	0.0%	0.0%	11.9%	18.2%	5.7%	10.0%	4.4%	7.7%	8.3%	8.7%	2.8%	0.0%	4.4%	0.0%	1.8%	2.8%	2.8%	2.6%	0.0%	0.0%	0.7%	0.0%	--	0.0%	--	
WIST8017	2,668	4	31	7	54	19	74	22	139	35	192	44	251	63	210	49	257	63	317	71	390	26	334	14	2	0	0	
# Fail	89	1	2	2	2	1	10	4	11	0	12	5	11	1	7	4	6	1	2	1	1	1	4	0	0	0	0	
% Fail	3.3%	25.0%	6.5%	28.6%	3.7%	5.3%	13.5%	18.2%	7.9%	0.0%	6.3%	11.4%	4.4%	1.6%	3.3%	8.2%	2.3%	1.6%	0.6%	1.4%	0.3%	3.8%	1.2%	0.0%	0.0%	--	--	
WIST8018	586	0	9	0	8	2	24	7	23	9	37	9	52	11	38	8	69	15	74	18	78	9	81	5	0	0	0	
# Fail	15	0	1	0	1	0	4	1	0	0	1	0	0	0	1	0	3	1	1	0	1	0	0	0	0	0	0	
% Fail	2.6%	--	11.1%	--	12.5%	0.0%	16.7%	14.3%	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%	2.6%	0.0%	4.3%	6.7%	1.4%	0.0%	1.3%	0.0%	0.0%	0.0%	--	--	--	
WIST8020	4,064	9	35	12	59	18	143	34	201	39	302	64	383	75	308	77	450	70	560	85	618	21	492	4	4	1	0	
# Fail	104	0	4	4	5	1	6	1	9	2	12	8	13	2	5	3	10	3	7	3	5	0	1	0	0	0	0	
% Fail	2.6%	0.0%	11.4%	33.3%	8.5%	5.6%	4.2%	2.9%	4.5%	5.1%	4.0%	12.5%	3.4%	2.7%	1.6%	3.9%	2.2%	4.3%	1.3%	3.5%	0.8%	0.0%	0.2%	0.0%	0.0%	0.0%	--	
WIST8021	2,131	7	13	6	39	11	57	20	90	35	151	37	190	40	196	23	230	46	273	42	327	20	265	6	5	2	0	
# Fail	46	0	0	1	2	3	0	2	8	1	3	0	4	4	6	0	5	1	2	0	2	0	1	1	0	0	0	
% Fail	2.2%	0.0%	0.0%	16.7%	5.1%	27.3%	0.0%	10.0%	8.9%	2.9%	2.0%	0.0%	2.1%	10.0%	3.1%	0.0%	2.2%	2.2%	0.7%	0.0%	0.6%	0.0%	0.4%	16.7%	0.0%	0.0%	--	
WIST8022	2,133	5	21	10	49	22	67	35	150	54	215	57	250	80	148	57	189	48	191	69	223	27	155	4	6	1	0	
# Fail	85	2	2	1	5	3	6	4	9	6	14	2	12	5	6	1	1	1	2	1	2	0	0	0	0	0	0	
% Fail	4.0%	40.0%	9.5%	10.0%	10.2%	13.6%	9.0%	11.4%	6.0%	11.1%	6.5%	3.5%	4.8%	6.3%	4.1%	1.8%	0.5%	2.1%	1.0%	1.4%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST8023	1,379	4	12	6	17	5	14	8	40	21	77	17	122	23	90	31	125	39	184	49	218	29	224	20	2	2	0	
# Fail	27	1	0	2	2	1	0	0	2	2	2	1	4	0	3	1	0	0	1	0	3	0	2	0	0	0	0	
% Fail	2.0%	25.0%	0.0%	33.3%	11.8%	20.0%	0.0%	0.0%	5.0%	9.5%	2.6%	5.9%	3.3%	0.0%	3.3%	3.2%	0.0%	0.0%	0.5%	0.0%	1.4%	0.0%	0.9%	0.0%	0.0%	0.0%	--	
WIST8024	388	1	4	2	8	3	16	6	15	4	34	13	31	13	35	9	36	13	41	15	53	5	25	5	0	1	0	
# Fail	22	0	0	1	1	0	4	0	3	1	2	2	1	0	2	1	1	0	2	1	0	0	0	0	0	0	0	
% Fail	5.7%	0.0%	0.0%	50.0%	12.5%	0.0%	25.0%	0.0%	20.0%	25.0%	5.9%	15.4%	3.2%	0.0%	5.7%	11.1%	2.8%	0.0%	4.9%	6.7%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--	
WIST8025	82	0	1	0	1	0	2	1	6	2	2	3	9	3	7	0	4	2	6	5	13	0	12	1	0	2	0	
# Fail	5	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	
% Fail	6.1%	--	100%	--	0.0%	--	0.0%	100%	0.0%	0.0%	0.0%	0.0%	11.1%	0.0%	0.0%	--	0.0%	0.0%	16.7%	0.0%	7.7%	--	0.0%	0.0%	--	0.0%	--	
WISTT0010	714	3	12	6	14	8	34	8	46	10	51	7	63	15	51	15	63	8	79	11	109	3	95	3	0	0	0	
# Fail	37	0	0	1	0	1	10	1	5	1	3	0	5	1	2	0	2	1	1	0	0	0	3	0	0	0	0	
% Fail	5.2%	0.0%	0.0%	16.7%	0.0%	12.5%	29.4%	12.5%	10.9%	10.0%	5.9%	0.0%	7.9%	6.7%	3.9%	0.0%	3.2%	12.5%	1.3%	0.0%	0.0%	0.0%	3.2%	0.0%	--	--	--	
WISTT0011	1,355	4	21	6	27	8	43	16	80	29	91	34	126	32	76	25	94	34	180	51	184	27	151	11	2	3	0	

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2020 to 12/31/2020

# Fail	54	0	1	0	2	1	8	1	5	0	6	5	8	0	3	2	3	2	3	1	0	0	3	0	0	0	0
% Fail	4.0%	0.0%	4.8%	0.0%	7.4%	12.5%	18.6%	6.3%	6.3%	0.0%	6.6%	14.7%	6.3%	0.0%	3.9%	8.0%	3.2%	5.9%	1.7%	2.0%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	--
WISTT003	4,702	21	86	23	130	68	173	62	303	102	416	126	468	138	354	87	465	116	485	127	515	50	375	8	4	0	0
# Fail	278	2	8	4	15	7	24	11	30	18	36	15	27	16	22	10	15	1	8	4	3	1	1	0	0	0	0
% Fail	5.9%	9.5%	9.3%	17.4%	11.5%	10.3%	13.9%	17.7%	9.9%	17.6%	8.7%	11.9%	5.8%	11.6%	6.2%	11.5%	3.2%	0.9%	1.6%	3.1%	0.6%	2.0%	0.3%	0.0%	0.0%	--	--
WISTT005	3,116	5	30	10	49	14	84	20	127	30	179	32	262	38	224	32	335	64	434	78	556	31	460	19	0	3	0
# Fail	82	0	2	0	4	1	6	1	4	1	9	0	14	2	8	0	3	2	15	1	9	0	0	0	0	0	0
% Fail	2.6%	0.0%	6.7%	0.0%	8.2%	7.1%	7.1%	5.0%	3.1%	3.3%	5.0%	0.0%	5.3%	5.3%	3.6%	0.0%	0.9%	3.1%	3.5%	1.3%	1.6%	0.0%	0.0%	0.0%	--	0.0%	--
WISTT007	258	1	3	1	9	1	8	1	13	4	23	4	22	8	11	7	33	3	41	5	37	2	20	0	0	1	0
# Fail	8	0	1	0	0	1	0	0	0	0	3	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0
% Fail	3.1%	0.0%	33.3%	0.0%	0.0%	100%	0.0%	0.0%	0.0%	0.0%	13.0%	0.0%	4.5%	0.0%	9.1%	0.0%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	--	--	0.0%	--
WISTT009	5,630	17	40	5	79	33	140	42	226	55	314	65	465	87	407	88	556	104	778	148	948	91	868	66	7	1	0
# Fail	141	0	3	2	7	1	8	4	16	4	11	2	15	4	9	4	20	3	10	2	9	3	3	1	0	0	0
% Fail	2.5%	0.0%	7.5%	40.0%	8.9%	3.0%	5.7%	9.5%	7.1%	7.3%	3.5%	3.1%	3.2%	4.6%	2.2%	4.5%	3.6%	2.9%	1.3%	1.4%	0.9%	3.3%	0.3%	1.5%	0.0%	0.0%	--
Tested	626,933	1,507	6,283	2,070	11,718	4,257	18,744	6,470	30,967	9,026	44,379	11,063	55,657	13,363	44,266	10,987	61,649	13,736	79,374	15,606	92,952	7,249	81,346	3,398	618	236	12
# Fail	21,020	134	459	224	991	419	1,705	732	2,370	736	2,706	882	2,578	717	1,486	456	1,411	322	1,264	251	725	92	345	13	2	0	0
% Fail	3.4%	8.9%	7.3%	10.8%	8.5%	9.8%	9.1%	11.3%	7.7%	8.2%	6.1%	8.0%	4.6%	5.4%	3.4%	4.2%	2.3%	2.3%	1.6%	1.6%	0.8%	1.3%	0.4%	0.4%	0.3%	0.0%	0.0%

40 CFR 51.366(c)(2)
Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST8024	1 Stop Auto and Deetailing Service	4720 22nd AVE	Kenosha	53140	Kenosha	12
WIST2040	3 Kings Auto Sales	5701 75th st	Kenosha	53142	Kenosha	15
WIST2030	A&J Automotive	8401 W. Hampton Ave	Milwaukee	53225	Milwaukee	12
WIST5088	Abi & Sons Automotive	817 44th st	Kenosha	53140	Kenosha	12
WIST3003	Accelerated Auto Service	667 W. State St.	Burlington	53105	Racine	12
WIST1003	Allenton Service	5908 Hillcrest Dr.	Allenton	53002	Washington	12
WIST7020	American Muffler & Automotive	5933 S. Pine St.	Burlington	53105	Racine	12
WIST6042	Amport Automotive	1324 White Rock Ave.	Waukesha	53186	Waukesha	12
WIST6007	Anderson Automotive	240 Highland Dr.	Fredonia	53021	Ozaukee	12
WISTT003	Auto Analyzers (TAC)	8404 W. Greenfield Ave.	West Allis	53214	Milwaukee	12
WIST2019	Automotive Solutions	215 Klein Lane	Saukville	53080	Ozaukee	12
WIST1024	Autoplex of Milwaukee LLC	5130 W. Forest Home Ave	Milwaukee	53219	Milwaukee	12
WIST8011	B Towne Auto Service	457 Falcon Ridge Dr	Burlington	53105	Racine	24
WIST7115	Black Tie Auto Service	S84 W21172 Janesville Rd	Muskego	53150	WAUKESHA	15
WIST5008	Bob's Main Street Auto & Tow	115 W. Decorah Rd	West Bend	53095	Washington	12
WIST4045	Bob's Main Street Auto & Tow	1200 N Main St	West Bend	53090	Washington	12
WIST7140	Brookfield Auto Care	12425 W. North AVE	Brookfield	53005	Waukesha	12
WIST7132	Brown Deer Tire & Auto	4730 W Bradley Rd	Brown Deer	53223	Milwaukee	12
WIST5087	Bully Diesel and Automotive Repair	5819 52nd Street	Kenosha	53142	Kenosha	12
WIST1012	Butler Auto Body	4830 N. 125th St.	Butler	53142	Waukesha	12
WIST7131	Car Corner	2100 Rapids Dr	Racine	53404	Racine	0
WIST3015	Carlton Automotive Inc.	1318 Center St., PO Box 700288	Oostburg	53070	Sheboygan	12
WIST1023	Changing Lanes	5700 W. Center	Milwaukee	53209	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	12
WIST5055	Curriepark Auto Center	10745 W. Capitol Dr.	Wauwatosa	53222	Milwaukee	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	12
WIST1020	Don's Garage	11916 Antioch Rd	Trevor	53179	Kenosha	12
WIST5015	Durand Automotive Center	1623 Durand Ave.	Racine	53403	Racine	12
WIST6033	Eric Von Schledorn	805 E Green Bay Rd	Saukville	53080	Ozaukee	12
WIST3021	Eric Von Schledorn - Random Lake	W4873 County Road RR	Random Lake	53066	Sheboygan	12
WIST7018	Ernie von Schledorn, Inc.	N88 W14167 Main St.	Menomonee Falls	53051	Waukesha	0
WIST2017	Ewald Chevrolet	36833 E. Wisconsin Ave	Oconomowoc	53066	Waukesha	15
WIST5085	Ewald Chrysler Jeep Dodge Ram	6319 S 108th Street	Franklin	53132	Milwaukee	12
WIST4064	Ewald Hartford Ford LLC	2570 E Sumner Street	Hartford	53027	Washington	12
WIST4040	Ewald Venus Ford	2727 E. Layton Ave.	Cudahy	53110	Milwaukee	18
WIST5011	F & F Tire World - Bluemound Rd.	20120 Bluemound Rd.	Brookfield	53045	Waukesha	0
WIST4017	F & F Tire World - Franklin	2930 W. Rawson Ave.	Franklin	53132	Milwaukee	0
WIST5009	F & F Tire World - Moorland Rd	410 N. Moorland Rd	Brookfield	53005	Waukesha	0
WIST7081	Farkas Automotive Inc.	8008 N. Sherman	Brown Deer	53209	Milwaukee	12
WIST5083	First Rate Auto	5424 W. State St	Milwaukee	53208	Milwaukee	12

40 CFR 51.366(c)(2)
Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST3022	Fleet 1	749 W STATE ST	Milwaukee	53202	Milwaukee	12
WIST6044	Fleet Auto Sales & Service	7400 W. National Ave.	West Allis	53214	Milwaukee	12
WIST7138	Gamino's Auto Repair	6156 Douglas AVE	Racine	53402	Racine	12
WIST7092	G-Brock's Auto Repair	375 E. Ottawa Ave	Dousman	53118	Waukesha	15
WIST0011	Genuine Mechanics	1453 N 40th	Sheboygan	53081	Sheboygan	12
WIST6035	Good Hope Service	4230 W. Good Hope Rd.	Milwaukee	53209	Milwaukee	12
WIST3005	Gordie Boucher Ford Lincoln	3021 W. Washington St.	West Bend	53095	Washington	12
WIST7093	Gordon's Wheel Service	3595 N. 124 St.	Brookfield	53005	Waukesha	12
WIST5066	Grady's Automotive Inc.	6272 S. Packard Ave	Cudahy	53110	Milwaukee	18
WIST7135	Grand Motor Sports	W68N954 WASHINGTON AVE	Cedarburg	53012	Ozaukee	12
WIST4058	Greitens Auto Service	5804 W. Bluemound Rd	Milwaukee	53213	Milwaukee	12
WIST6022	Hall Automotive	704 Bluemound Rd.	Waukesha	53189	Waukesha	12
WIST7016	Hartland Services Inc.	400 Industrial Dr	Hartland	53029	Waukesha	12
WIST2015	Heiser Toyota	11301 W. Metro Blvd.	Milwaukee	53224	Milwaukee	12
WIST7088	Hoffman Auto & Tire	4811 Greenbay Rd.	Kenosha	53144	Kenosha	12
WIST7129	Hopson Automotive	W241 S4165 Pine Hollow Ct	Waukesha	53189	Waukesha	15
WIST8016	It's All Good Auto	10125 W. Loomis Rd.	Franklin	53132	Milwaukee	12
WIST8009	Jackson Superlube	W213N16770 Glen Brook Dr	Jackson	53037	Washington	12
WIST8018	Jeffs Automotive	5261 S. Nicholas Ave	Cudahy	53110	Milwaukee	21
WISTT009	Jerry's Auto Service Inc. (TAC)	W229 N2467 Hwy F	Waukesha	53186	Waukesha	15
WIST8025	Jessie James Garage	4103 7th Ave	Kenosha	53140	Kenosha	12
WIST1019	Jiffy Lube	7127 Durand AVE	Sturtevant	53177	Racine	0
WIST1027	Jiffy Lube-Milwaukee	3604 W. Lincoln AVE	Milwaukee	53215	Milwaukee	12
WIST8023	Jiffy Lube-Muskego	S64 W15890 Commerce Center Parkway	Muskego	53150	Waukesha	12
WIST4063	Jim's Auto Service	W4131 Main RD	Plymouth	53073	Sheboygan	12
WIST4002	Joe's Slinger Service LLC	220 Info Hwy. Crt.	Slinger	53086	Washington	12
WIST1026	John Amato Chrysler,Dodge,Jeep Ram	5900 N. Greenbay Rd	Glendale	53209	Milwaukee	12
WIST3013	John Amato Hyundai Inc.	8301 N. 76th St.	Milwaukee	53223	Milwaukee	12
WIST7022	John Paul's Buick GMC	3615 S. 108th St.	Greenfield	53228	Milwaukee	12
WIST7134	Karls Garage LLC	N6745B State Road 32	Sheboygan Falls	53085	Sheboygan	12
WIST4051	Kastenson Auto (formally Tenhagen Auto)	21445 Durand Ave	Union Grove	53182	Racine	12
WIST7136	Keno Collision & Service	7514 Sheridan Rd.	Kenosha	53143	Kenosha	3
WIST1029	Kenosha Nissan	8050 120th AVE	Kenosha	53142	Kenosha	12
WIST2033	Kerns on 76th	7960 N 76th Street	Milwaukee	53223	Milwaukee	12
WIST3014	Komp Tech Automotive Service	8832 W. Greenfield Ave.	West Allis	53214	Milwaukee	12
WIST4003	Kusch's Automotive	136 N. 120th St.	Wauwatosa	53226	Milwaukee	12
WIST5086	Kwiky Lube Plus	N88 W15220 main Street	Menomonee Falls	53051	Waukesha	12
WIST4049	LaBelle Auto	N56 W39413 Hwy 16	Oconomowoc	53066	Waukesha	15
WIST4061	Lake Country Auto Care	449 HICKORY STREET	Pewaukee	53072	Waukesha	12
WIST2025	Lakeshore Mobile	2521 E. Capitol	Shorewood	53211	Milwaukee	12
WIST3018	Larrys Auto	6373 North 91st Street	Milwaukee	53225	Milwaukee	0
WIST4014	Laubenheimer's Garage LLC	1860 Hwy 175, PO Box 36	Richfield	53076	Washington	12

40 CFR 51.366(c)(2)
Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST4032	Laus Tire & Auto	5025 W. Villard Ave.	Milwaukee	53218	Milwaukee	12
WIST4053	Liberty Street Auto	1600 Durand Ave	Racine	53404	Racine	12
WIST7023	Lisbon Sales & Services	7515 W. Lisbon Ave.	Milwaukee	53216	Milwaukee	0
WIST6013	Lutter's Elmbrook Automotive	16880 Greenfield Ave.	Brookfield	53005	Waukesha	12
WIST3032	M & D Auto Services	W19 N5733 Becker Dr	Lannon	53046	Waukesha	12
WIST6001	M & M Citgo	2101 Douglas Ave.	Racine	53402	Racine	12
WIST6055	M&J Auto Sales and Service	3069 State HWY 83	Hartford	53027	Washington	12
WIST6021	Maddison Automotive	210 N. Wales Rd.	Wales	53183	Waukesha	15
WIST7120	Manyo Motors	4035 N Green Bay Avenue	Milwaukee	53212	Milwaukee	12
WIST4057	Marks Mobil Service LLC	12401 W. Cleveland Ave.	New Berlin	53151	Waukesha	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	15
WIST5053	Mayer Automotive LLC.	W6082 Hwy W	Cascade	53011	Sheboygan	12
WIST4060	McDevitts Towing and Service	5150 60th Street	Kenosha	53144	Kenosha	15
WIST2031	Meineke - Racine	6006 21ST STREET	Racine	53406	Racine	15
WIST4042	Meineke Car Care Center	4320 S 27TH ST	Milwaukee	53221	Milwaukee	12
WIST5077	Menomonee Falls Super Lube	W156 N8390 Pilgrim Rd	Menomonee Falls	53051	Waukesha	21
WIST3030	Merlin 200,000 Mile Shop	8601 75th St.	Kenosha	53142	Kenosha	12
WIST7103	Meyer Motors Inc.	107 Plaza Lane	Plymouth	53073	Sheboygan	12
WIST7025	Midas - Menomonee Falls	N96 W18375 Hwy Q	Menomonee Falls	53052	Waukesha	0
WIST6043	Mil-City Motors	7169 W. Fond Du Lac Ave	Milwaukee	53218	Milwaukee	12
WIST5079	Miller Motors	1196 Milwaukee Ave	Burlington	53105	Racine	12
WIST5090	Montez Auto Repair LLC	11321 W. Greenfield AVE	West Allis	53214	Milwaukee	0
WIST4062	Muffler Magic - 76th Street (AAMCO)	9055 N 76th	Milwaukee	53223	Milwaukee	12
WIST4055	Munro's Auto Service	5048 S. 27th	Milwaukee	53221	Milwaukee	0
WIST7094	Muskego Tire & Auto	S73 W16610 Janesville Rd	Muskego	53150	Waukesha	12
WIST8004	National Auto Tech	630 W. National Ave	Milwaukee	53204	Milwaukee	24
WIST7095	National Complete Auto Care	16405 W. National Ave.	New Berlin	53151	Waukesha	12
WIST7031	Nelson's Automotive of Pewaukee	N30 W22383 Green Rd.	Pewaukee	53186	Waukesha	12
WIST6034	New Berlin Tire	15650 W National Ave	New Berlin	53151	Waukesha	0
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	12
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
WIST2027	Pennzoil Pewaukee	1284 Capitol Dr.	Pewaukee	53072	Waukesha	3
WIST7033	Pinkalla Auto Solutions	3059 Durand Ave.	Racine	53403	Racine	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	12
WIST4031	R & R Automotive	6930 39th Ave.	Kenosha	53142	Kenosha	12
WIST8008	R.K. Motors	3700 N Holton St	Milwaukee	53212	Milwaukee	12
WIST7036	Racine Auto Specialist	2320 Douglas Ave.	Racine	53402	Racine	12

40 CFR 51.366(c)(2)
Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST7039	Richfield Service	1810 Wolf Rd	Richfield	53076	Washington	12
WIST7041	Richlonns Tire & Service Center - Greendale	5131 S. 76th St.	Greendale	53129	Milwaukee	18
WIST5037	Richlonns Tire & Service Center - Greenfield	4440 S. 108th St.	Greenfield	53228	Milwaukee	12
WIST7040	Richlonns Tire & Service Center - Muskego	578 W18755 Janesville Rd	Muskego	53150	Waukesha	12
WIST7042	Richlonns Tire & Service Center - Waukesha	2480 W. Sunset Dr.	Waukesha	53189	Waukesha	15
WIST4050	Rick's Car Care	6121 W Mequon Rd	Mequon	53092	Ozaukee	12
WIST3035	Righteous Auto	6142 Douglas Ave	Racine	53402	Racine	12
WIST7045	Rivers Edge Oil & Tire	811 S. Rochester St.	Mukwonago	53149	Waukesha	12
WIST2029	Road Runner Express	5275 S.Moorland Rd	New Berlin	53151	Waukesha	15
WIST5058	Ruby Isle Auto	11137 W. Silver Spring Dr.	Milwaukee	53225	Milwaukee	12
WIST5003	Russ Darrow Chrysler Jeep Dodge	10901 West Metro Mall	Milwaukee	53224	Milwaukee	12
WIST7009	Russ Darrow Honda - Metro Auto Mall	10851 W. Metro Auto Mall	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	12
WIST5023	Russ Darrow Mitsubishi	W226 S1700 Hwy 164	Waukesha	53186	Waukesha	12
WIST5044	Russ Darrow Nissan - Metro BLVD	11212 W Metro Blvd	Milwaukee	53224	Milwaukee	12
WIST2032	Russ Darrow Nissan - West Bend	2665 W Washington Ave	West Bend	53095	Washington	12
WIST3028	Russ Darrow Sheboygan	5515 Racetrack Rd	Sheboygan	53081	Sheboygan	0
WIST7049	Russ Darrow Toyota	2700 W. Washington St.	West Bend	53095	Washington	12
WIST7006	Russ Darrow West Bend	3210 W. Washington St.	West Bend	53095	Washington	12
WIST7137	Rutters Automotive Service	7550 W. Appleton Ave	Milwaukee	53216	Milwaukee	12
WIST7011	Salem Auto Service	8515 Antioch Rd	Salem	53168	Kenosha	12
WISTT010	Sam's Auto	4315 Byrd Ave	Racine	53405	Racine	15
WISTT005	Schaefer Service Center (TAC)	1130 E. Commerce Blvd	Slinger	53086	Washington	12
WIST5082	SDR Total Repair	3625 Roosevelt Road	Kenosha	53142	kenosha	12
WIST5084	Sheboygan Auto Helpers	3667 S Taylor Drive	Sheboygan	54081	Sheboygan	12
WIST5081	Sheboygan Chevrolet GMC Buick	3400 South Business Drive	Sheboygan	53081	Sheboygan	12
WIST7098	Shorewood Auto Repair	1330 E. Capitol Dr.	Shorewood	53211	Milwaukee	12
WIST8001	Silver Lake Auto Center	N76 W30620 HWY VV	Hartland	53029	Waukesha	12
WIST2038	Silver Lake Auto Center - New Berlin	15650 W. National Ave	New Berlin	53151	Waukesha	12
WIST7052	Silver Lake Auto Service Inc.	36355 E. Wisconsin Ave.	Oconomowoc	53066	Waukesha	15
WIST7053	Silver Lake Auto Service Inc.	551 N. Cogswell Dr.	Silver Lake	53170	Kenosha	12
WIST7069	Silvernail Emissions Car Care & Uhaul	2210 Silvernail Rd	Pewaukee	53072	Waukesha	3
WIST7055	South Milwaukee Car Care Center	1221 N. Chicago Ave.	South Milwaukee	53172	Milwaukee	18
WIST7056	Southtown Tire & Auto	2906 S. 108th St.	West Allis	53227	Milwaukee	12
WISTT007	Sunset Auto Service	1194 FOND DU LAC AVE	Sheboygan Falls	53085	Sheboygan	0
WIST6054	Sunset Auto Service	1194 FOND DU LAC AVE	Sheboygan Falls	53085	Sheboyagn	12
WIST8022	Take 5 Oil Change - 27th Street	4296 S 27TH ST	Milwaukee	53221	Milwaukee	0
WIST6053	Take 5 Oil Change - Brookfield	14245 West Capitol Ave	Brookfield	53005	Waukesha	0
WIST1025	Take 5 Oil Change - Brown Deer	6942 W Brown Deer Rd	Brown Deer	53223	Milwaukee	0
WIST4066	Take 5 Oil Change - Capitol	7515 W Capitol Dr	Milwaukee	53216	Milwaukee	0
WIST6047	Take 5 Oil Change - Cedarburg	W62N271 Washington Ave	Cedarburg	53012	Ozaukee	6

40 CFR 51.366(c)(2)
Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST6048	Take 5 Oil Change - Glendale	5450 N Port Washington Rd	Glendale	53217	Milwaukee	9
WIST8020	Take 5 Oil Change - Hales Corners	5400 South 108th Street	Hales Corners	53130	Milwaukee	3
WIST6050	Take 5 Oil Change - Mukwonago	1146 North Rochester Street	Mukwonago	53149	Waukesha	3
WIST3036	Take 5 Oil Change - New Berlin	15400 West National Ave	New Berlin	53151	Waukesha	6
WIST2036	Take 5 Oil Change - Racine	5428 Washington Ave	Racine	53406	Racine	6
WIST8021	Take 5 Oil Change - Waukesha	1557 East Moreland Ave	Waukesha	53186	Waukesha	3
WIST6049	Take 5 Oil Change - Wauwatosa	6207 West North Ave	Wauwatosa	53213	Milwaukee	9
WIST3037	Take 5 Oil Change - West Allis	3130 South 108th Street	West Allis	53227	Milwaukee	3
WIST6052	Take 5 Oil Change Sheboygan - Calumet	2757 Calumet Drive	Sheboygan	53081	Sheboygan	9
WIST6051	Take 5 Oil Change Sheboygan - Indiana	1328 Indiana Ave	Sheboygan	53081	Sheboygan	9
WIST4067	Take 5 Oil Change Sheboygan - Taylor	3669 S. Taylor Dr.	Sheboygan	53081	Sheboygan	9
WIST2035	Tech Way	4004 S Kinnickinnic Ave	Cudahy	53235	Milwaukee	15
WIST1016	Tenley Auto	9208 West Capitol Drive	Milwaukee	53222	Milwaukee	12
WIST7061	Theel Auto Inc.	N8364 County Rd J	Elkhart Lake	53020	Sheboygan	12
WIST7123	Tires Plus - Kenosha	7424 74th Place	Kenosha	53142	Kenosha	12
WIST2028	Tires Unlimited Automotive Service	1557 N. Wisconsin St.	Port Washington	53074	Ozaukee	18
WIST5074	Valvoline - 68th St.	112 S. 68th St.	Milwaukee	53214	Milwaukee	12
WIST8017	Valvoline - Cudahy	5912 Packard Ave	Cudahy	53110	Milwaukee	18
WIST6039	Valvoline - Delafield	2325 Sun Valley Dr	Delafield	53018	Waukesha	15
WIST7124	Valvoline - Glendale	6100 N Port Washington Rd	Glendale	53212	Milwaukee	12
WIST3024	Valvoline - Greenfield	4839 S. 27th Street	Greenfield	53221	Milwaukee	24
WIST6037	Valvoline - Kenosha	3015 52nd St	Kenosha	53144	Kenosha	12
WIST7130	Valvoline - Layton	8008 W Layton Ave	Greenfield	53220	Milwaukee	12
WIST6031	Valvoline - Muskego	N16757825 Lions Park Dr	Muskego	53150	Waukesha	12
WIST7127	Valvoline - Pewaukee	1812 Silvernail Rd	Pewaukee	53072	Waukesha	0
WIST4054	Valvoline - Plymouth	1950 Eastern Ave	Plymouth	53073	Sheboygan	12
WIST7126	Valvoline - Racine	5920 21st St	Racine	53405	Racine	12
WIST3034	Valvoline - Sussex	N65 W24922 Highway W	Sussex	53089	Waukesha	12
WIST2024	Valvoline - Waukesha	1951 E Main St	Waukesha	53186	Waukesha	12
WIST5089	Valvoline - West Bend	2795 E. Washington st	West Bend	53095	Washington	6
WIST1022	VI Auro Repair	1522 Wisconsin AVE	Grafton	53024	Ozaukee	12
WIST7067	Village Tire & Auto	W172 N12185 Division Rd	Germantown	53022	Washington	6
WIST7068	Wales Super Lube #421	120 W. Summit Ave	Wales	53183	Waukesha	15
WIST7070	Weissman Automotive	W140 N10455 Fond du Lac Ave.	Germantown	53022	Washington	12
WIST7071	Welks Automotive	8333 W. Layton Ave.	Greenfield	53220	Milwaukee	0
WIST4048	West Bend Super Lube	2353 W Washington St	West Bend	53095	Washington	12
WIST7072	Westside Auto Center	820 W. Sumner St.	Hartford	53027	Washington	9
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
WIST1021	WISCO Automotive	496 Pine Street	Burlington	53105	Racine	12
WIST7074	Wisconsin Muffler - Lincoln Ave.	3634 W. Lincoln Ave.	Milwaukee	53215	Milwaukee	12
WIST7075	Wisconsin Muffler - New Berlin	13320 W. College Ave.	New Berlin	53151	Waukesha	12

40 CFR 51.366(c)(2)
Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST1111	WISDOT	1001 West St. Paul Ave	Milwaukee	53233	Milwaukee	12
WIST7076	WJ Kuhn Automotive Center Inc.	8511 S. Howell Ave.	Oak Creek	53154	Milwaukee	12
WIST5080	Wrench Workz LLC	1285 Morgan Drive	Hubertus	53033	Washington	9
WIST2039	Zwekabin Automotive Service	3611 W. State St	Milwaukee	53208	Milwaukee	12
						2370