
WISCONSIN
VEHICLE INSPECTION PROGRAM
ANNUAL REPORT
2022



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BACKGROUND

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

The WVIP is one of the primary components of the strategy to reduce air pollution in southeastern Wisconsin area. Each year, over 600,000 cars and light duty trucks in a seven county region of southeastern Wisconsin's ozone non-attainment area are tested for emissions. The program covers more than 2,500 square miles over seven counties: Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Washington, and Waukesha. Vehicles receive inspections in a decentralized network of approximately 200 private inspection facilities (PIF) located in all seven of the program counties. Vehicle population determines PIF distribution. At the end of calendar year 2022 the PIF per county totals were:

- Kenosha = 15
- Milwaukee = 66
- Racine = 20
- Sheboygan = 11
- Waukesha = 34
- Ozaukee = 10
- 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 Petroleum Inspection 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:	Up to 200 Private Inspection Facilities and inspection lanes, 5 Technical Assistance Centers
Model Years (MY) Tested	<i>Registration Renewal Testing:</i> Model Years 1996 through 2019

- 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 2017 and older in CY 2022

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 up to 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 2022, and their locations is available in 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 over the past 20 years, the state has several areas (all of Milwaukee and Ozaukee counties and parts of Kenosha, 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 2022:

- Volatile organic compounds (VOC) emissions reduced by 0.74 tons per summer weekday, or 5.3% (5.9% reduction in light-duty vehicle emissions).
- Oxides of nitrogen (NOx) emissions reduced by 0.65 tons per summer weekday, or 3.0% (7.4% reduction in light-duty vehicle emissions).
- Carbon monoxide (CO) emissions reduced by 31.10 tons per summer weekday, or 11.5% (12.2% 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	2020	2021	2022
No WVIP	Light-Duty Vehicles	46.80	36.14	30.92	20.82	16.93	12.93	13.29	12.54
No WVIP	Heavy-Duty Vehicles	6.16	5.18	4.34	3.03	2.36	1.53	1.46	1.29
No WVIP	% <i>Light-Duty Vehicles</i>	88.4%	87.5%	87.7%	87.3%	87.8%	89.4%	90.1%	90.7%
No WVIP	All Vehicles	52.95	41.32	35.26	23.86	19.29	14.46	14.75	13.84
WVIP	Light-Duty Vehicles	41.20	32.06	29.30	19.50	15.90	12.20	12.50	11.81
WVIP	Heavy-Duty Vehicles	6.16	5.18	4.34	3.03	2.35	1.53	1.45	1.29
WVIP	% <i>Light-Duty Vehicles</i>	87.0%	86.1%	87.1%	86.6%	87.1%	88.9%	89.6%	90.2%
WVIP	All Vehicles	47.36	37.24	33.64	22.54	18.26	13.73	13.95	13.10
WVIP Reductions (tons)		5.60	4.08	1.61	1.32	1.03	0.73	0.80	0.74
WVIP Reductions (% of Light-Duty Emissions)		12.0%	11.3%	5.2%	6.3%	6.1%	5.6%	6.0%	5.9%
WVIP Reductions (% of All Vehicle Emissions)		10.6%	9.9%	4.6%	5.5%	5.3%	5.1%	5.4%	5.3%

		Oxides of Nitrogen (NOx)							
		2005	2008	2011	2014	2017	2020	2021	2022
No WWIP	Light-Duty Vehicles	83.44	64.95	53.64	31.42	18.16	9.71	10.11	8.81
No WWIP	Heavy-Duty Vehicles	53.76	42.57	34.06	25.40	21.08	15.39	13.88	12.74
No WWIP	% <i>Light-Duty Vehicles</i>	60.8%	60.4%	61.2%	55.3%	46.3%	38.7%	42.1%	40.9%
No WWIP	All Vehicles	137.20	107.52	87.70	56.82	39.25	25.10	23.99	21.55
WWIP	Light-Duty Vehicles	74.71	58.02	49.85	28.84	16.68	8.97	9.34	8.16
WWIP	Heavy-Duty Vehicles	53.76	42.57	34.05	25.39	21.08	15.39	13.88	12.73
WWIP	% <i>Light-Duty Vehicles</i>	58.2%	57.7%	59.4%	53.2%	44.2%	36.8%	40.2%	39.1%
WWIP	All Vehicles	128.47	100.59	83.91	54.23	37.76	24.35	23.22	20.89
WWIP Reductions (tons)		8.74	6.93	3.79	2.58	1.49	0.74	0.77	0.65
WWIP Reductions (% of Light-Duty Emissions)		10.5%	10.7%	7.1%	8.2%	8.2%	7.6%	7.6%	7.4%
WWIP Reductions (% of All Vehicle Emissions)		6.4%	6.4%	4.3%	4.5%	3.8%	3.0%	3.2%	3.0%

		Carbon Monoxide (CO)							
		2005	2008	2011	2014	2017	2020	2021	2022
No WWIP	Light-Duty Vehicles	658.72	547.51	507.52	387.36	335.56	242.64	267.68	253.95
No WWIP	Heavy-Duty Vehicles	51.89	40.43	33.72	25.95	23.39	17.74	17.93	16.89
No WWIP	% <i>Light-Duty Vehicles</i>	92.7%	93.1%	93.8%	93.7%	93.5%	93.2%	93.7%	93.8%
No WWIP	All Vehicles	710.61	587.94	541.25	413.31	358.94	260.38	285.61	270.84
WWIP	Light-Duty Vehicles	578.36	477.99	464.96	346.28	297.11	214.50	234.51	222.93
WWIP	Heavy-Duty Vehicles	51.89	40.43	33.71	25.90	23.31	17.66	17.85	16.81
WWIP	% <i>Light-Duty Vehicles</i>	91.8%	92.2%	93.2%	93.0%	92.7%	92.4%	92.9%	93.0%
WWIP	All Vehicles	630.24	518.42	498.67	372.18	320.42	232.16	252.36	239.74
WWIP Reductions (tons)		80.36	69.52	42.58	41.13	38.52	28.22	33.25	31.10
WWIP Reductions (% of Light-Duty Emissions)		12.2%	12.7%	8.4%	10.6%	11.5%	11.6%	12.4%	12.2%
WWIP Reductions (% of All Vehicle Emissions)		11.3%	11.8%	7.9%	10.0%	10.7%	10.8%	11.6%	11.5%

NOTES:

1. Emissions calculated using the U.S. EPA's current version of the MOVES model (MOVES₄, released August 2023) for all calendar years.
2. The MOVES₄ model does not calculate benefits from the testing of diesel-powered vehicles. As a result, the WVIP reductions presented above are slight under-estimates since for model years 2007 and newer, the WVIP does test diesel-powered vehicles up to 14,000 pounds gross vehicle weight rating.
3. Emissions calculated for the year 2022 are preliminary, since local 2022 vehicle-miles of travel data are not yet available. Instead, the 2022 vehicle-miles of travel was estimated by applying a statewide Wisconsin 2021 to 2022 growth rate, calculated from data in the Federal Highway Administration's monthly "Traffic Volume Trends" reports, to the 2021 vehicle-miles of travel. This rate is 1.001 (0.1% increase), indicating small growth from 2021 to 2022.
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 small 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 when both light-duty and heavy-duty vehicles are considered. From 2014 to 2022 these NO_x reductions steadily decreased from 4.5% to 3.0%. The key reason for this decline is that a significant reduction in light-duty NO_x emissions occurred during this period from federal regulations for both new light-duty vehicle emission standards and progressively lower gasoline sulfur levels. The effect of these regulations was 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 53%, but in 2022 it was down to 39%.
6. The reason why the emission reduction percentages are slightly less in 2022 than in 2021 is that the WVIP had a lower compliance rate in 2022 (80.69%) than in 2021 (83.72%). One reason for more vehicles being tested in 2021 is that they weren't tested in 2020 because of the Covid pandemic.

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, especially in the 2001 to 2010 decade with the downward trend slowing in recent years.

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. Subsequently, 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. Subsequently:
 - 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.
 - Effective April 11, 2022, the U.S. EPA redesignated eastern Kenosha County to attainment of the 2008 standard as a result of the lower ozone levels in this area, which attained this standard.
 - Thus, the entire state of Wisconsin is designated attainment of the 2008 ozone 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). Subsequently:
 - 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 six counties as well as include parts of Racine, Waukesha, and Washington counties.
 - Effective March 31, 2022, the U.S. EPA redesignated the nonattainment area within Manitowoc County to attainment of the 2015 standard as a result of the lower ozone levels in the area, which attained this standard.
 - Effective April 29, 2022, the U.S. EPA redesignated the revised nonattainment area within Door County to attainment of the 2015 standard as a result of the lower ozone levels in the area, which attained this standard.

- As of November 2023, all or parts of seven eastern Wisconsin counties are not attaining the 2015 ozone standard (all of Milwaukee and Ozaukee counties and parts of Kenosha, Racine, Sheboygan, Washington and Waukesha 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.

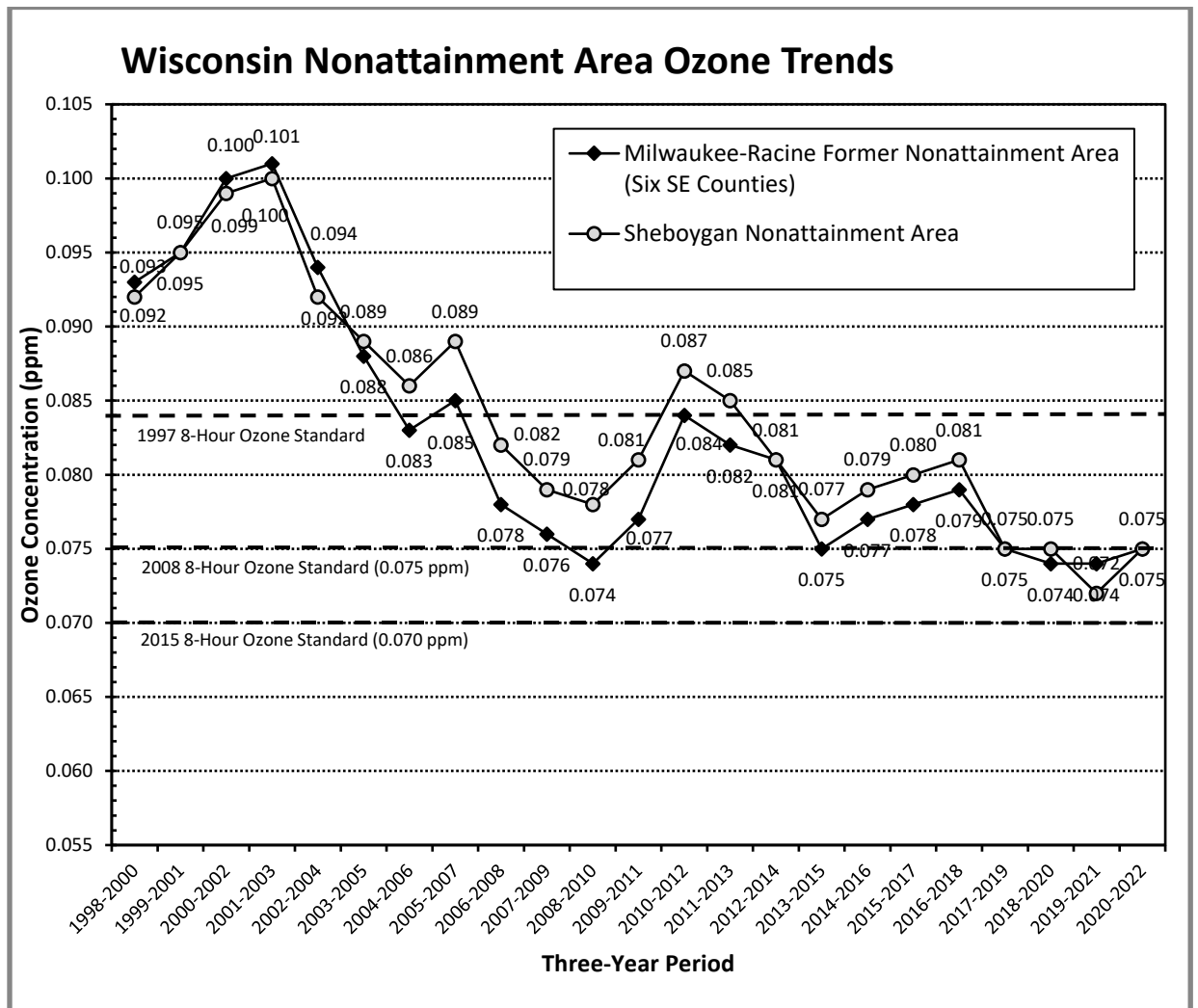


Figure 1. Trends in ozone design values for the Wisconsin Vehicle Inspection Program area. The highest value in the area is shown in each case. Note that since temperature has a strong influence on ozone concentrations, the values are highest for the time periods including hot summers, most notably the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

Note: The "Six 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.

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	Passenger Car	SUV	Truck	Van	Test Count
1996	403	125	237	49	814
1997	1,920	811	1,302	298	4,331
1998	803	326	406	120	1,655
1999	3,776	2,096	1,688	632	8,192
2000	1,477	694	680	295	3,146
2001	6,194	3,161	2,931	946	13,232
2002	2,481	1,502	985	413	5,381
2003	10,580	6,462	3,919	1,935	22,896
2004	3,473	2,594	1,110	640	7,817
2005	16,397	9,590	4,460	3,906	34,353
2006	5,137	2,712	1,007	1,030	9,886
2007	23,585	13,638	5,103	3,766	46,092
2008	6,330	3,812	1,328	1,241	12,711
2009	23,185	10,090	3,338	2,493	39,106
2010	6,105	3,206	1,055	965	11,331
2011	27,368	19,325	6,250	3,980	56,923
2012	7,855	4,371	1,340	1,205	14,771
2013	38,583	24,645	7,270	5,361	75,859
2014	8,300	5,640	1,791	1,281	17,012
2015	40,348	34,136	10,228	6,610	91,322
2016	7,891	6,628	2,229	1,331	18,079
2017	38,003	40,840	11,912	6,923	97,678
2018	2,682	3,124	1,106	708	7,620
2019	25,871	35,416	11,925	5,425	78,637
2020	866	1,537	341	196	2,940
2021	178	259	77	25	539
2022	63	75	21	22	181
Total	309,854	236,815	84,039	51,796	682,504

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	Total
1996	357	106	199	45	707
Initial Fail	32	11	26	7	76
Initial Pass	325	95	173	38	631
Failure Rate	8.96%	10.38%	13.07%	15.56%	10.75%
1997	1,747	763	1,183	267	3,960
Initial Fail	101	58	94	23	276
Initial Pass	1,646	705	1,089	244	3,684
Failure Rate	5.78%	7.60%	7.95%	8.61%	6.97%
1998	664	278	348	109	1,399
Initial Fail	62	29	49	12	152
Initial Pass	602	249	299	97	1,247
Failure Rate	9.34%	10.43%	14.08%	11.01%	10.86%
1999	3,385	1,898	1,557	570	7,410
Initial Fail	270	173	102	46	591
Initial Pass	3,115	1,725	1,455	524	6,819
Failure Rate	7.98%	9.11%	6.55%	8.07%	7.98%
2000	1,259	606	581	247	2,693
Initial Fail	130	69	53	30	282
Initial Pass	1,129	537	528	217	2,411
Failure Rate	10.33%	11.39%	9.12%	12.15%	10.47%
2001	5,262	2,636	2,533	787	11,218
Initial Fail	490	295	181	92	1,058
Initial Pass	4,772	2,341	2,352	695	10,160
Failure Rate	9.31%	11.19%	7.15%	11.69%	9.43%
2002	2,021	1,213	810	346	4,390
Initial Fail	244	163	75	37	519
Initial Pass	1,777	1,050	735	309	3,871
Failure Rate	12.07%	13.44%	9.26%	10.69%	11.82%
2003	9,421	5,737	3,483	1,683	20,324
Initial Fail	736	498	236	124	1,594
Initial Pass	8,685	5,239	3,247	1,559	18,730
Failure Rate	7.81%	8.68%	6.78%	7.37%	7.84%
2004	2,935	2,147	933	559	6,574
Initial Fail	304	222	79	64	669
Initial Pass	2,631	1,925	854	495	5,905
Failure Rate	10.36%	10.34%	8.47%	11.45%	10.18%
2005	14,926	8,621	4,011	3,521	31,079
Initial Fail	965	601	203	242	2,011
Initial Pass	13,961	8,020	3,808	3,279	29,068
Failure Rate	6.47%	6.97%	5.06%	6.87%	6.47%
2006	4,350	2,279	862	891	8,382
Initial Fail	408	213	55	60	736
Initial Pass	3,942	2,066	807	831	7,646
Failure Rate	9.38%	9.35%	6.38%	6.73%	8.78%

40 CFR §51.366 (a)(2)(i)

The number of vehicles tested by model year and vehicle type initially failing by test type

2007	21,903	12,587	4,657	3,444	42,591
Initial Fail	1,069	764	261	200	2,294
Initial Pass	20,834	11,823	4,396	3,244	40,297
Failure Rate	4.88%	6.07%	5.60%	5.81%	5.39%
2008	5,587	3,394	1,105	1,052	11,138
Initial Fail	412	219	77	90	798
Initial Pass	5,175	3,175	1,028	962	10,340
Failure Rate	7.37%	6.45%	6.97%	8.56%	7.16%
2009	21,897	9,428	3,052	2,302	36,679
Initial Fail	829	435	130	120	1,514
Initial Pass	21,068	8,993	2,922	2,182	35,165
Failure Rate	3.79%	4.61%	4.26%	5.21%	4.13%
2010	5,544	2,903	934	842	10,223
Initial Fail	252	164	37	53	506
Initial Pass	5,292	2,739	897	789	9,717
Failure Rate	4.55%	5.65%	3.96%	6.29%	4.95%
2011	26,099	18,421	5,866	3,758	54,144
Initial Fail	733	624	127	150	1,634
Initial Pass	25,366	17,797	5,739	3,608	52,510
Failure Rate	2.81%	3.39%	2.17%	3.99%	3.02%
2012	7,256	4,032	1,194	1,047	13,529
Initial Fail	281	117	32	50	480
Initial Pass	6,975	3,915	1,162	997	13,049
Failure Rate	3.87%	2.90%	2.68%	4.78%	3.55%
2013	37,083	23,924	6,926	5,058	72,991
Initial Fail	755	486	129	186	1,556
Initial Pass	36,328	23,438	6,797	4,872	71,435
Failure Rate	2.04%	2.03%	1.86%	3.68%	2.13%
2014	7,839	5,404	1,644	1,163	16,050
Initial Fail	194	113	32	41	380
Initial Pass	7,645	5,291	1,612	1,122	15,670
Failure Rate	2.47%	2.09%	1.95%	3.53%	2.37%
2015	39,177	33,487	9,870	6,416	88,950
Initial Fail	558	406	120	136	1,220
Initial Pass	38,619	33,081	9,750	6,280	87,730
Failure Rate	1.42%	1.21%	1.22%	2.12%	1.37%
2016	7,584	6,476	2,087	1,237	17,384
Initial Fail	109	85	23	38	255
Initial Pass	7,475	6,391	2,064	1,199	17,129
Failure Rate	1.44%	1.31%	1.10%	3.07%	1.47%
2017	37,094	40,317	11,576	6,740	95,727
Initial Fail	366	273	93	98	830
Initial Pass	36,728	40,044	11,483	6,642	94,897
Failure Rate	0.99%	0.68%	0.80%	1.45%	0.87%
2018	2,599	3,069	1,057	676	7,401
Initial Fail	37	16	7	11	71
Initial Pass	2,562	3,053	1,050	665	7,330
Failure Rate	1.42%	0.52%	0.66%	1.63%	0.96%
2019	25,397	35,092	11,740	5,300	77,529
Initial Fail	110	96	55	21	282
Initial Pass	25,287	34,996	11,685	5,279	77,247

40 CFR §51.366 (a)(2)(i)

The number of vehicles tested by model year and vehicle type initially failing by test type

Failure Rate	0.43%	0.27%	0.47%	0.40%	0.36%
2020	845	1,466	331	189	2,831
Initial Fail	4	1	2	2	9
Initial Pass	841	1,465	329	187	2,822
Failure Rate	0.47%	0.07%	0.60%	1.06%	0.32%
2021	174	252	71	24	521
Initial Fail	1	0	0	0	1
Initial Pass	173	252	71	24	520
Failure Rate	0.57%	0.0%	0.0%	0.0%	0.19%
2022	61	73	19	21	174
Initial Fail	0	0	0	0	0
Initial Pass	61	73	19	21	174
Failure Rate	0.0%	0.0%	0.0%	0.0%	0.0%
2023	1	2	0	0	3
Initial Fail	0	0			0
Initial Pass	1	2			3
Failure Rate	0.0%	0.0%	--	--	0.0%
Total Tests	292,467	226,611	78,629	48,294	646,001
Initial Fail	9,452	6,131	2,278	1,933	19,794
Initial Pass	283,015	220,480	76,351	46,361	626,207
Failure Rate	3.23%	2.71%	2.90%	4.00%	3.06%

40 CFR §51.366 (a)(2)(i)

The number of vehicles tested by model year and vehicle type
initially failing by test type

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	Totals
1996	17	8	22	5	52
Fail	8	4	11	2	25
Pass	9	4	11	3	27
Fail Rate	47.06%	50.00%	50.00%	40.00%	48.08%
Pass Rate	52.94%	50.00%	50.00%	60.00%	51.92%
1997	70	43	74	11	198
Fail	19	15	20	3	57
Pass	51	28	54	8	141
Fail Rate	27.14%	34.88%	27.03%	27.27%	28.79%
Pass Rate	72.86%	65.12%	72.97%	72.73%	71.21%
1998	48	18	38	9	113
Fail	14	2	11	4	31
Pass	34	16	27	5	82
Fail Rate	29.17%	11.11%	28.95%	44.44%	27.43%
Pass Rate	70.83%	88.89%	71.05%	55.56%	72.57%
1999	206	108	67	32	413
Fail	48	29	15	8	100
Pass	158	79	52	24	313
Fail Rate	23.30%	26.85%	22.39%	25.00%	24.21%
Pass Rate	76.70%	73.15%	77.61%	75.00%	75.79%
2000	92	37	41	17	187
Fail	32	11	7	3	53
Pass	60	26	34	14	134
Fail Rate	34.78%	29.73%	17.07%	17.65%	28.34%
Pass Rate	65.22%	70.27%	82.93%	82.35%	71.66%
2001	291	184	119	57	651
Fail	76	54	24	20	174
Pass	215	130	95	37	477
Fail Rate	26.12%	29.35%	20.17%	35.09%	26.73%
Pass Rate	73.88%	70.65%	79.83%	64.91%	73.27%
2002	147	101	50	25	323
Fail	42	23	15	13	93
Pass	105	78	35	12	230
Fail Rate	28.57%	22.77%	30.00%	52.00%	28.79%
Pass Rate	71.43%	77.23%	70.00%	48.00%	71.21%
2003	482	325	168	70	1,045
Fail	91	72	37	19	219
Pass	391	253	131	51	826
Fail Rate	18.88%	22.15%	22.02%	27.14%	20.96%
Pass Rate	81.12%	77.85%	77.98%	72.86%	79.04%
2004	202	173	51	34	460
Fail	47	46	11	10	114

40 CFR §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	Totals
Pass	155	127	40	24	346
Fail Rate	23.27%	26.59%	21.57%	29.41%	24.78%
Pass Rate	76.73%	73.41%	78.43%	70.59%	75.22%
2005	616	395	127	163	1,301
Fail	118	85	21	30	254
Pass	498	310	106	133	1,047
Fail Rate	19.16%	21.52%	16.54%	18.40%	19.52%
Pass Rate	80.84%	78.48%	83.46%	81.60%	80.48%
2006	252	162	38	48	500
Fail	60	50	10	13	133
Pass	192	112	28	35	367
Fail Rate	23.81%	30.86%	26.32%	27.08%	26.60%
Pass Rate	76.19%	69.14%	73.68%	72.92%	73.40%
2007	706	502	188	141	1,537
Fail	129	101	25	23	278
Pass	577	401	163	118	1,259
Fail Rate	18.27%	20.12%	13.30%	16.31%	18.09%
Pass Rate	81.73%	79.88%	86.70%	83.69%	81.91%
2008	277	164	74	65	580
Fail	67	38	15	8	128
Pass	210	126	59	57	452
Fail Rate	24.19%	23.17%	20.27%	12.31%	22.07%
Pass Rate	75.81%	76.83%	79.73%	87.69%	77.93%
2009	556	275	82	91	1,004
Fail	99	67	15	20	201
Pass	457	208	67	71	803
Fail Rate	17.81%	24.36%	18.29%	21.98%	20.02%
Pass Rate	82.19%	75.64%	81.71%	78.02%	79.98%
2010	185	107	23	37	352
Fail	28	26	4	8	66
Pass	157	81	19	29	286
Fail Rate	15.14%	24.30%	17.39%	21.62%	18.75%
Pass Rate	84.86%	75.70%	82.61%	78.38%	81.25%
2011	485	437	89	97	1,108
Fail	79	67	11	18	175
Pass	406	370	78	79	933
Fail Rate	16.29%	15.33%	12.36%	18.56%	15.79%
Pass Rate	83.71%	84.67%	87.64%	81.44%	84.21%
2012	200	104	26	46	376
Fail	33	19	3	13	68
Pass	167	85	23	33	308
Fail Rate	16.50%	18.27%	11.54%	28.26%	18.09%
Pass Rate	83.50%	81.73%	88.46%	71.74%	81.91%
2013	518	343	84	117	1,062
Fail	81	38	9	16	144
Pass	437	305	75	101	918
Fail Rate	15.64%	11.08%	10.71%	13.68%	13.56%
Pass Rate	84.36%	88.92%	89.29%	86.32%	86.44%
2014	144	88	28	36	296
Fail	29	10	4	2	45

40 CFR §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				Totals
	Car	SUV	Truck	Van	
Pass	115	78	24	34	251
Fail Rate	20.14%	11.36%	14.29%	5.56%	15.20%
Pass Rate	79.86%	88.64%	85.71%	94.44%	84.80%
2015	384	297	72	98	851
Fail	42	19	11	10	82
Pass	342	278	61	88	769
Fail Rate	10.94%	6.40%	15.28%	10.20%	9.64%
Pass Rate	89.06%	93.60%	84.72%	89.80%	90.36%
2016	84	61	20	27	192
Fail	17	8	2	4	31
Pass	67	53	18	23	161
Fail Rate	20.24%	13.11%	10.00%	14.81%	16.15%
Pass Rate	79.76%	86.89%	90.00%	85.19%	83.85%
2017	226	199	54	69	548
Fail	20	11	7	7	45
Pass	206	188	47	62	503
Fail Rate	8.85%	5.53%	12.96%	10.14%	8.21%
Pass Rate	91.15%	94.47%	87.04%	89.86%	91.79%
2018	22	11	4	9	46
Fail	2	0	0	0	2
Pass	20	11	4	9	44
Fail Rate	9.09%	0.0%	0.0%	0.0%	4.35%
Pass Rate	90.91%	100.0%	100.0%	100.0%	95.65%
2019	67	69	30	11	177
Fail	2	2	4	1	9
Pass	65	67	26	10	168
Fail Rate	2.99%	2.90%	13.33%	9.09%	5.08%
Pass Rate	97.01%	97.10%	86.67%	90.91%	94.92%
2020	1	1	0	2	4
Fail	0	0		1	1
Pass	1	1		1	3
Fail Rate	0.0%	0.0%	--	50.00%	25.00%
Pass Rate	100.0%	100.0%	--	50.00%	75.00%
Totals	6,278	4,212	1,569	1,317	13,376
Fail	1,183	797	292	256	2,528
Pass	5,095	3,415	1,277	1,061	10,848
Fail Rate	18.84%	18.92%	18.61%	19.44%	18.90%
Pass Rate	81.16%	81.08%	81.39%	80.56%	81.10%

40 CFR §51.366 (a)(2) (ii) – (iii)

The number of vehicles retested by model year and vehicle type passing or failing the first retest

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.

Retest by Model Year	Passenger Car	SUV	Truck	Van	Totals
1996	38	3	9	3	53
# Fail	30	1	6	2	39
# Pass	8	2	3	1	14
Fail Rate	78.95%	33.33%	66.67%	66.67%	73.58%
Pass Rate	21.05%	66.67%	33.33%	33.33%	26.42%
1997	17	7	17	3	44
# Fail	5	3	8	2	18
# Pass	12	4	9	1	26
Fail Rate	29.41%	42.86%	47.06%	66.67%	40.91%
Pass Rate	70.59%	57.14%	52.94%	33.33%	59.09%
1998	31	6	9	4	50
# Fail	17	3	3	1	24
# Pass	14	3	6	3	26
Fail Rate	54.84%	50.00%	33.33%	25.00%	48.00%
Pass Rate	45.16%	50.00%	66.67%	75.00%	52.00%
1999	48	48	17	6	119
# Fail	23	24	4	2	53
# Pass	25	24	13	4	66
Fail Rate	47.92%	50.00%	23.53%	33.33%	44.54%
Pass Rate	52.08%	50.00%	76.47%	66.67%	55.46%
2000	43	9	10	2	64
# Fail	17	5	2	0	24
# Pass	26	4	8	2	40
Fail Rate	39.53%	55.56%	20.00%	0.0%	37.50%
Pass Rate	60.47%	44.44%	80.00%	100.0%	62.50%
2001	74	53	33	23	183
# Fail	39	25	12	8	84
# Pass	35	28	21	15	99
Fail Rate	52.70%	47.17%	36.36%	34.78%	45.90%
Pass Rate	47.30%	52.83%	63.64%	65.22%	54.10%
2002	54	29	27	19	129
# Fail	28	17	11	8	64
# Pass	26	12	16	11	65
Fail Rate	51.85%	58.62%	40.74%	42.11%	49.61%
Pass Rate	48.15%	41.38%	59.26%	57.89%	50.39%
2003	98	56	28	22	204
# Fail	37	20	11	10	78
# Pass	61	36	17	12	126
Fail Rate	37.76%	35.71%	39.29%	45.45%	38.24%
Pass Rate	62.24%	64.29%	60.71%	54.55%	61.76%
2004	49	50	15	11	125
# Fail	20	21	6	5	52
# Pass	29	29	9	6	73

40 CFR §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

Retest by Model Year	Passenger Car	SUV	Truck	Van	Totals
Fail Rate	40.82%	42.00%	40.00%	45.45%	41.60%
Pass Rate	59.18%	58.00%	60.00%	54.55%	58.40%
2005	141	94	19	41	295
# Fail	60	44	9	21	134
# Pass	81	50	10	20	161
Fail Rate	42.55%	46.81%	47.37%	51.22%	45.42%
Pass Rate	57.45%	53.19%	52.63%	48.78%	54.58%
2006	71	62	12	16	161
# Fail	33	28	3	8	72
# Pass	38	34	9	8	89
Fail Rate	46.48%	45.16%	25.00%	50.00%	44.72%
Pass Rate	53.52%	54.84%	75.00%	50.00%	55.28%
2007	133	95	29	37	294
# Fail	59	24	9	21	113
# Pass	74	71	20	16	181
Fail Rate	44.36%	25.26%	31.03%	56.76%	38.44%
Pass Rate	55.64%	74.74%	68.97%	43.24%	61.56%
2008	70	56	19	14	159
# Fail	22	21	5	5	53
# Pass	48	35	14	9	106
Fail Rate	31.43%	37.50%	26.32%	35.71%	33.33%
Pass Rate	68.57%	62.50%	73.68%	64.29%	66.67%
2009	89	71	16	19	195
# Fail	26	31	7	7	71
# Pass	63	40	9	12	124
Fail Rate	29.21%	43.66%	43.75%	36.84%	36.41%
Pass Rate	70.79%	56.34%	56.25%	63.16%	63.59%
2010	38	29	18	8	93
# Fail	11	10	12	1	34
# Pass	27	19	6	7	59
Fail Rate	28.95%	34.48%	66.67%	12.50%	36.56%
Pass Rate	71.05%	65.52%	33.33%	87.50%	63.44%
2011	81	56	6	15	158
# Fail	23	21	2	6	52
# Pass	58	35	4	9	106
Fail Rate	28.40%	37.50%	33.33%	40.00%	32.91%
Pass Rate	71.60%	62.50%	66.67%	60.00%	67.09%
2012	44	18	8	11	81
# Fail	14	4	4	4	26
# Pass	30	14	4	7	55
Fail Rate	31.82%	22.22%	50.00%	36.36%	32.10%
Pass Rate	68.18%	77.78%	50.00%	63.64%	67.90%
2013	85	50	7	20	162
# Fail	23	21	1	6	51
# Pass	62	29	6	14	111
Fail Rate	27.06%	42.00%	14.29%	30.00%	31.48%
Pass Rate	72.94%	58.00%	85.71%	70.00%	68.52%
2014	39	21	4	4	68
# Fail	10	7	1	0	18

40 CFR §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

Retest by Model Year	Passenger Car	SUV	Truck	Van	Totals
# Pass	29	14	3	4	50
Fail Rate	25.64%	33.33%	25.00%	0.0%	26.47%
Pass Rate	74.36%	66.67%	75.00%	100.0%	73.53%
2015	49	21	9	10	89
# Fail	17	5	3	4	29
# Pass	32	16	6	6	60
Fail Rate	34.69%	23.81%	33.33%	40.00%	32.58%
Pass Rate	65.31%	76.19%	66.67%	60.00%	67.42%
2016	15	10	4	5	34
# Fail	2	1	0	0	3
# Pass	13	9	4	5	31
Fail Rate	13.33%	10.00%	0.0%	0.0%	8.82%
Pass Rate	86.67%	90.00%	100.0%	100.0%	91.18%
2017	18	18	7	5	48
# Fail	4	11	1	2	18
# Pass	14	7	6	3	30
Fail Rate	22.22%	61.11%	14.29%	40.00%	37.50%
Pass Rate	77.78%	38.89%	85.71%	60.00%	62.50%
2018	2	0	0	0	2
# Fail	1				1
# Pass	1				1
Fail Rate	50.00%	--	--	--	50.00%
Pass Rate	50.00%	--	--	--	50.00%
2019	2	2	2	1	7
# Fail	0	0	0	0	0
# Pass	2	2	2	1	7
Fail Rate	0.0%	0.0%	0.0%	0.0%	0.0%
Pass Rate	100.0%	100.0%	100.0%	100.0%	100.0%
2020	0	0	0	4	4
# Fail				3	3
# Pass				1	1
Fail Rate	--	--	--	75.00%	75.00%
Pass Rate	--	--	--	25.00%	25.00%
Totals	1,329	864	325	303	2,821
# Fail	521	347	120	126	1,114
# Pass	808	517	205	177	1,707
Fail Rate	39.20%	40.16%	36.92%	41.58%	39.49%
Pass Rate	60.80%	59.84%	63.08%	58.42%	60.51%

40 CFR §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

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, 2022, the repair cost limit for all model year vehicles subject to testing was \$949. The waiver repair cost limit was adjusted to \$978 on Jul 1, 2022. This figure is adjusted annually by the DNR per NR 485.045.

The following chart illustrates the cost waivers granted in 2022 by model year. Since mostly odd model year vehicles were tested in 2022, they account for the majority of the waivers.

Vehicle Type	Initial Fail	Diagnostic Waiver	Repair Cost Waiver	Total Waivers	Waiver Rate
All 1996	147		1		
Passenger Car	73				--
SUV	18	0		0	--
Truck	44	0		0	--
Van	12	0	1	1	8.33%
All 1997	388	1			
Passenger Car	134	1		1	0.75%
SUV	86	0		0	--
Truck	135	0		0	--
Van	33	0		0	--
All 1998	225				
Passenger Car	101				--
SUV	36	0		0	--
Truck	69	0		0	--
Van	19	0		0	--
All 1999	820	1			
Passenger Car	377				--
SUV	246	0		0	--
Truck	133	1		1	0.75%
Van	64	0		0	--
All 2000	388				
Passenger Car	197				--
SUV	89	0		0	--
Truck	65	0		0	--
Van	37	0		0	--
All 2001	1,497	1	5		
Passenger Car	680		3	3	0.44%
SUV	427	1		1	0.23%
Truck	251	0	1	1	0.40%
Van	139	0	1	1	0.72%
All 2002	754		3		

Vehicle Type	Initial Fail	Diagnostic Waiver	Repair Cost Waiver	Total Waivers	Waiver Rate
Passenger Car	340		1	1	0.29%
SUV	231	0	2	2	0.87%
Truck	118	0		0	--
Van	65	0		0	--
All 2003	2,140		8		
Passenger Car	991		5	5	0.50%
SUV	657	0	2	2	0.30%
Truck	320	0	1	1	0.31%
Van	172	0		0	--
All 2004	918		1		
Passenger Car	401		1	1	0.25%
SUV	325	0		0	--
Truck	107	0		0	--
Van	85	0		0	--
All 2005	2,676	2	7		
Passenger Car	1,274	2	4	6	0.47%
SUV	813	0	1	1	0.12%
Truck	258	0		0	--
Van	331	0	2	2	0.60%
All 2006	1,056		8		
Passenger Car	570		6	6	1.05%
SUV	322	0		0	--
Truck	73	0	2	2	2.74%
Van	91	0		0	--
All 2007	2,962		5		
Passenger Car	1,373		2	2	0.15%
SUV	983		1	1	0.10%
Truck	326	0	2	2	0.61%
Van	280	0		0	--
All 2008	1,103		5		
Passenger Car	559		3	3	0.54%
SUV	319		1	1	0.31%
Truck	105	0		0	--
Van	120		1	1	0.83%
All 2009	1,973		4		
Passenger Car	1,050		1	1	0.10%

40 CFR §51.366 (a)(2) (v)

The number of vehicles tested by model year and vehicle type receiving a waiver

Vehicle Type	Initial Fail	Diagnostic Waiver	Repair Cost Waiver	Total Waivers	Waiver Rate
SUV	591				--
Truck	174		3	3	1.72%
Van	158				--
All 2010	674				
Passenger Car	328				--
SUV	219				--
Truck	59				--
Van	68				--
All 2011	2,068		7		
Passenger Car	930		1	1	0.11%
SUV	787		1	1	0.13%
Truck	159		2	2	1.26%
Van	192	0	3	3	1.56%
All 2012	636		2		
Passenger Car	351				--
SUV	159				--
Truck	47		1	1	2.13%
Van	79		1	1	1.27%
All 2013	1,899		7		
Passenger Car	933		3	3	0.32%
SUV	588				--
Truck	151	0	1	1	0.66%
Van	227	0	3	3	1.32%
All 2014	496		4		
Passenger Car	255		1	1	0.39%
SUV	143		2	2	1.40%
Truck	48		1	1	2.08%
Van	50				--
All 2015	1,433		3		
Passenger Car	655		1	1	0.15%
SUV	467				--
Truck	148		1	1	0.68%
Van	163	0	1	1	0.61%
All 2016	311				
Passenger Car	138				--
SUV	97				--

40 CFR §51.366 (a)(2) (v)

The number of vehicles tested by model year and vehicle type receiving a waiver

Vehicle Type	Initial Fail	Diagnostic Waiver	Repair Cost Waiver	Total Waivers	Waiver Rate
Truck	30				--
Van	46				--
All 2017	967		1		
Passenger Car	423				--
SUV	321				--
Truck	112	0	1	1	0.89%
Van	111				--
All 2018	79				
Passenger Car	43				--
SUV	16				--
Truck	7				--
Van	13				--
All 2019	303				
Passenger Car	116				--
SUV	100				--
Truck	61				--
Van	26	0		0	--
All 2020	15				
Passenger Car	4				--
SUV	2				--
Truck	2				--
Van	7				--
All 2021	1				
Passenger Car	1				--
SUV	0				--
Truck	0				--
Van	0				--
All 2022	0				
Passenger Car	0				--
SUV	0				--
Truck	0				--
Van	0				--
Totals:	Initial Fail	Diagnostic Waiver	Repair Cost Waiver	Total Waivers	Waiver Rate
Overall:	25,929	5	71	76	0.29%
Passenger Car	12,297	3	32	35	0.28%

40 CFR §51.366 (a)(2) (v)

The number of vehicles tested by model year and vehicle type receiving a waiver

Vehicle Type	Initial Fail	Diagnostic Waiver	Repair Cost Waiver	Total Waivers	Waiver Rate
SUV	8,042	1	10	11	0.14%
Truck	3,002	1	16	17	0.57%
Van	2,588	0	13	13	0.50%

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.

Model Year	Passenger Car		SUV		Truck		Van		Total	
	Failed	Never Passed	Failed	Never Passed	Failed	Never Passed	Failed	Never Passed	Failed	Never Passed
1996	73	28	18	10	44	23	11	3	146	64
1997	133	51	86	32	135	52	33	15	387	150
1998	101	45	36	19	69	35	19	8	225	107
1999	377	117	246	83	132	44	64	24	819	268
2000	197	92	89	55	65	31	37	17	388	195
2001	677	256	426	165	250	84	138	45	1,491	550
2002	339	174	229	112	118	41	65	25	751	352
2003	986	334	655	238	319	91	172	58	2,132	721
2004	400	197	325	150	107	47	85	44	917	438
2005	1,268	399	812	262	258	84	329	101	2,667	846
2006	564	266	322	146	71	30	91	38	1,048	480
2007	1,371	458	982	304	324	87	280	78	2,957	927
2008	556	258	318	134	105	30	119	50	1,098	472
2009	1,049	330	591	188	171	45	158	40	1,969	603
2010	328	123	219	103	59	17	68	38	674	281
2011	929	258	786	218	157	38	189	50	2,061	564
2012	351	137	159	63	46	15	78	29	634	244
2013	930	214	588	130	150	25	224	41	1,892	410
2014	254	93	141	56	47	15	50	17	492	181
2015	654	137	467	99	147	39	162	34	1,430	309
2016	138	57	97	31	30	7	46	17	311	112
2017	423	100	321	67	111	21	111	31	966	219
2018	43	19	16	8	7	4	13	4	79	35
2019	116	32	100	21	61	14	26	9	303	76
2020	4	2	2	2	2	1	7	1	15	6
2021	1	1	0	0	0	0	0	0	1	1
2022	0	0	0	0	0	0	0	0	0	0
Total	12,262	4,178	8,031	2,696	2,985	920	2,575	817	25,853	8,611

40 CFR §51.366 (a)(2)(vi)

The number of vehicles tested by model year and vehicle type with no final outcome (regardless of reason)

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	Totals
1996	448	132	227	53	860
# Fail	73	18	44	11	146
# Pass	375	114	183	42	714
Fail Rate	16.29%	13.64%	19.38%	20.75%	16.98%
Pass Rate	83.71%	86.36%	80.62%	79.25%	83.02%
1997	2,006	853	1,241	264	4,364
# Fail	133	86	135	33	387
# Pass	1,873	767	1,106	231	3,977
Fail Rate	6.63%	10.08%	10.88%	12.50%	8.87%
Pass Rate	93.37%	89.92%	89.12%	87.50%	91.13%
1998	831	336	396	106	1,669
# Fail	101	36	69	19	225
# Pass	730	300	327	87	1,444
Fail Rate	12.15%	10.71%	17.42%	17.92%	13.48%
Pass Rate	87.85%	89.29%	82.58%	82.08%	86.52%
1999	4,011	2,201	1,585	577	8,374
# Fail	377	246	132	64	819
# Pass	3,634	1,955	1,453	513	7,555
Fail Rate	9.40%	11.18%	8.33%	11.09%	9.78%
Pass Rate	90.60%	88.82%	91.67%	88.91%	90.22%
2000	1,553	696	596	263	3,108
# Fail	197	89	65	37	388
# Pass	1,356	607	531	226	2,720
Fail Rate	12.69%	12.79%	10.91%	14.07%	12.48%
Pass Rate	87.31%	87.21%	89.09%	85.93%	87.52%
2001	6,456	3,247	2,616	865	13,184

40 CFR §51.366 (a)(2)(xi)-(xii)
number of vehicles tested by model year and type
passing or failing the on-board diagnostic check
to 12/31/2022

Model Year	Passenger Car	SUV	Truck	Van	Totals
# Fail	677	426	250	138	1,491
# Pass	5,779	2,821	2,366	727	11,693
Fail Rate	10.49%	13.12%	9.56%	15.95%	11.31%
Pass Rate	89.51%	86.88%	90.44%	84.05%	88.69%
2002	2,542	1,545	902	379	5,368
# Fail	339	229	118	65	751
# Pass	2,203	1,316	784	314	4,617
Fail Rate	13.34%	14.82%	13.08%	17.15%	13.99%
Pass Rate	86.66%	85.18%	86.92%	82.85%	86.01%
2003	11,186	6,706	3,614	1,751	23,257
# Fail	986	655	319	172	2,132
# Pass	10,200	6,051	3,295	1,579	21,125
Fail Rate	8.81%	9.77%	8.83%	9.82%	9.17%
Pass Rate	91.19%	90.23%	91.17%	90.18%	90.83%
2004	3,590	2,685	1,008	591	7,874
# Fail	400	325	107	85	917
# Pass	3,190	2,360	901	506	6,957
Fail Rate	11.14%	12.10%	10.62%	14.38%	11.65%
Pass Rate	88.86%	87.90%	89.38%	85.62%	88.35%
2005	17,270	10,064	4,278	3,772	35,384
# Fail	1,268	812	258	329	2,667
# Pass	16,002	9,252	4,020	3,443	32,717
Fail Rate	7.34%	8.07%	6.03%	8.72%	7.54%
Pass Rate	92.66%	91.93%	93.97%	91.28%	92.46%
2006	5,314	2,832	949	940	10,035
# Fail	564	322	71	91	1,048
# Pass	4,750	2,510	878	849	8,987
Fail Rate	10.61%	11.37%	7.48%	9.68%	10.44%
Pass Rate	89.39%	88.63%	92.52%	90.32%	89.56%
2007	24,700	14,403	5,382	3,977	48,462
# Fail	1,371	982	324	280	2,957

40 CFR §51.366 (a)(2)(xi)-(xii)
number of vehicles tested by model year and type
passing or failing the on-board diagnostic check
to 12/31/2022

Model Year	Passenger Car	SUV	Truck	Van	Totals
# Pass	23,329	13,421	5,058	3,697	45,505
Fail Rate	5.55%	6.82%	6.02%	7.04%	6.10%
Pass Rate	94.45%	93.18%	93.98%	92.96%	93.90%
2008	6,633	4,011	1,362	1,296	13,302
# Fail	556	318	105	119	1,098
# Pass	6,077	3,693	1,257	1,177	12,204
Fail Rate	8.38%	7.93%	7.71%	9.18%	8.25%
Pass Rate	91.62%	92.07%	92.29%	90.82%	91.75%
2009	24,202	10,601	3,508	2,641	40,952
# Fail	1,049	591	171	158	1,969
# Pass	23,153	10,010	3,337	2,483	38,983
Fail Rate	4.33%	5.57%	4.87%	5.98%	4.81%
Pass Rate	95.67%	94.43%	95.13%	94.02%	95.19%
2010	6,313	3,324	1,091	983	11,711
# Fail	328	219	59	68	674
# Pass	5,985	3,105	1,032	915	11,037
Fail Rate	5.20%	6.59%	5.41%	6.92%	5.76%
Pass Rate	94.80%	93.41%	94.59%	93.08%	94.24%
2011	28,431	20,191	6,459	4,184	59,265
# Fail	929	786	157	189	2,061
# Pass	27,502	19,405	6,302	3,995	57,204
Fail Rate	3.27%	3.89%	2.43%	4.52%	3.48%
Pass Rate	96.73%	96.11%	97.57%	95.48%	96.52%
2012	8,113	4,661	1,366	1,265	15,405
# Fail	351	159	46	78	634
# Pass	7,762	4,502	1,320	1,187	14,771
Fail Rate	4.33%	3.41%	3.37%	6.17%	4.12%
Pass Rate	95.67%	96.59%	96.63%	93.83%	95.88%
2013	39,906	25,550	7,507	5,646	78,609
# Fail	930	588	150	224	1,892
# Pass	38,976	24,962	7,357	5,422	76,717

40 CFR §51.366 (a)(2)(xi)-(xii)
number of vehicles tested by model year and type
passing or failing the on-board diagnostic check
to 12/31/2022

Model Year	Passenger Car	SUV	Truck	Van	Totals
Fail Rate	2.33%	2.30%	2.00%	3.97%	2.41%
Pass Rate	97.67%	97.70%	98.00%	96.03%	97.59%
2014	8,568	5,830	1,824	1,334	17,556
# Fail	254	141	47	50	492
# Pass	8,314	5,689	1,777	1,284	17,064
Fail Rate	2.96%	2.42%	2.58%	3.75%	2.80%
Pass Rate	97.04%	97.58%	97.42%	96.25%	97.20%
2015	41,614	35,218	10,557	6,851	94,240
# Fail	654	467	147	162	1,430
# Pass	40,960	34,751	10,410	6,689	92,810
Fail Rate	1.57%	1.33%	1.39%	2.36%	1.52%
Pass Rate	98.43%	98.67%	98.61%	97.64%	98.48%
2016	8,078	6,831	2,300	1,390	18,599
# Fail	138	97	30	46	311
# Pass	7,940	6,734	2,270	1,344	18,288
Fail Rate	1.71%	1.42%	1.30%	3.31%	1.67%
Pass Rate	98.29%	98.58%	98.70%	96.69%	98.33%
2017	38,783	41,660	12,184	7,142	99,769
# Fail	423	321	111	111	966
# Pass	38,360	41,339	12,073	7,031	98,803
Fail Rate	1.09%	0.77%	0.91%	1.55%	0.97%
Pass Rate	98.91%	99.23%	99.09%	98.45%	99.03%
2018	2,730	3,159	1,125	733	7,747
# Fail	43	16	7	13	79
# Pass	2,687	3,143	1,118	720	7,668
Fail Rate	1.58%	0.51%	0.62%	1.77%	1.02%
Pass Rate	98.42%	99.49%	99.38%	98.23%	98.98%
2019	26,184	35,794	12,043	5,506	79,527
# Fail	116	100	61	26	303
# Pass	26,068	35,694	11,982	5,480	79,224
Fail Rate	0.44%	0.28%	0.51%	0.47%	0.38%

40 CFR §51.366 (a)(2)(xi)-(xii)
number of vehicles tested by model year and type
passing or failing the on-board diagnostic check
to 12/31/2022

Model Year	Passenger Car	SUV	Truck	Van	Totals
Pass Rate	99.56%	99.72%	99.49%	99.53%	99.62%
2020	864	1,511	340	336	3,051
# Fail	4	2	2	7	15
# Pass	860	1,509	338	329	3,036
Fail Rate	0.46%	0.13%	0.59%	2.08%	0.49%
Pass Rate	99.54%	99.87%	99.41%	97.92%	99.51%
2021	179	258	76	26	539
# Fail	1	0	0	0	1
# Pass	178	258	76	26	538
Fail Rate	0.56%	0.0%	0.0%	0.0%	0.19%
Pass Rate	99.44%	100.0%	100.0%	100.0%	99.81%
2022	64	75	20	22	181
# Fail	0	0	0	0	0
# Pass	64	75	20	22	181
Fail Rate	0.0%	0.0%	0.0%	0.0%	0.0%
Pass Rate	100.0%	100.0%	100.0%	100.0%	100.0%
2023	1	2	0	0	3
# Fail	0	0			0
# Pass	1	2			3
Fail Rate	0.0%	0.0%	--	--	0.0%
Pass Rate	100.0%	100.0%	--	--	100.0%
Totals	320,570	244,376	84,556	52,893	702,395
# Fail	12,262	8,031	2,985	2,575	25,853
# Pass	308,308	236,345	81,571	50,318	676,542
Fail Rate	3.83%	3.29%	3.53%	4.87%	3.68%
Pass Rate	96.17%	96.71%	96.47%	95.13%	96.32%

40 CFR §51.366 (a)(2)(xi)-(xii)
number of vehicles tested by model year and type
passing or failing the on-board diagnostic check
to 12/31/2022

COMPARISON OF ON-BOARD DIAGNOSTIC TESTS WITH OTHER TEST TYPES

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

CHECK ENGINE LIGHT COMMANDED ON

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

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

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

MIL Commanded On, No DTCs

MODEL YEAR	PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
1996	7	0	0	0	7
1997	0	0	0	0	0
1998	0	0	0	0	0
1999	0	0	0	0	0
2000	0	1	0	0	1
2001	0	2	0	0	2
2002	0	1	0	0	1
2003	0	0	0	0	0
2004	0	3	0	0	3
2005	0	0	0	0	0

40 CFR §51.366 (a)(2)(xix)

Number of vehicles tested by model year and vehicle type where the MIL is commanded on and no codes are stored to 12/31/2022

2006	0	5	3	0	8
2007	0	1	0	0	1
2008	1	0	0	0	1
2009	0	0	0	0	0
2010	1	0	0	0	1
2011	0	0	0	0	0
2012	3	0	0	0	3
2013	0	0	0	3	3
2014	0	0	0	1	1
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	0	0	0	0	0
GRAND TOTAL	12	13	3	4	32

40 CFR §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
to 12/31/2022

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

	Passenger Car	SUV	Truck	Van	Total
Model Year	No MIL W/ Code	No MIL W/ Code	No MIL W/ Code	No MIL W/ Code	No MIL W/ Code
1996	40	17	28	8	93
1997	181	95	107	36	419
1998	75	60	49	16	200
1999	350	229	162	55	796
2000	175	85	71	25	356
2001	639	427	257	111	1,434
2002	341	199	116	44	700
2003	1,090	861	329	184	2,464
2004	447	400	95	82	1,024
2005	1,816	1,260	376	530	3,982
2006	691	453	104	144	1,392
2007	2,438	1,745	453	595	5,231
2008	782	501	166	179	1,628
2009	1,753	1,042	345	337	3,477
2010	546	350	132	144	1,172
2011	1,755	1,628	463	450	4,296
2012	660	377	110	138	1,285
2013	2,398	1,573	568	512	5,051
2014	517	379	140	127	1,163
2015	1,518	1,303	448	375	3,644

40 CFR §51.366 (a)(2)(xx)
number of vehicles tested by model year and vehicle type
where the MIL is not commanded on and codes are stored
to 12/31/2022

2016	318	255	118	90	781
2017	1,067	927	408	210	2,612
2018	63	61	53	29	206
2019	223	294	620	158	1,295
2020	16	15	15	10	56
2021	4	4	1	4	13
2022	0	1	1	4	6
Total	19,903	14,541	5,735	4,597	44,776

40 CFR §51.366 (a)(2)(xx)
number of vehicles tested by model year and vehicle type
where the MIL is not commanded on and codes are stored
to 12/31/2022

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

	Passenger Car	SUV	Truck	Van	Total
Model Year	MIL On W/ Code	MIL On W/ Code	MIL On W/ Code	MIL On W/ Code	MIL On W/ Code
1996	69	17	43	11	140
1997	128	74	127	32	361
1998	100	35	64	17	216
1999	364	231	123	59	777
2000	193	85	60	35	373
2001	658	401	231	127	1,417
2002	329	212	110	56	707
2003	969	631	289	162	2,051
2004	390	310	100	83	883
2005	1,238	787	246	322	2,593
2006	555	310	67	85	1,017
2007	1,338	954	311	271	2,874
2008	541	313	105	114	1,073
2009	1,021	584	170	155	1,930
2010	317	212	55	68	652
2011	893	773	154	186	2,006
2012	337	153	46	78	614
2013	914	571	148	224	1,857
2014	249	141	47	50	487
2015	635	459	143	156	1,393
2016	137	95	27	46	305
2017	397	299	109	107	912
2018	38	15	6	11	70
2019	100	83	58	26	267
2020	3	1	2	6	12
2021	1	0	0	0	1
2022	0	0	0	0	0
Total	11,914	7,746	2,841	2,487	24,988

40 CFR §51.366 (a)(2)(xxi)
number of vehicles tested by model year and vehicle type
where the MIL is commanded on and codes are stored
to 12/31/2022

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

	Passenger Car	SUV	Truck	Van	Total
	No MIL No Code	No MIL No Code	No MIL No Code	No MIL No Code	No MIL No Code
1996	400	119	194	41	754
1997	1,936	759	1,151	247	4,093
1998	808	290	350	86	1,534
1999	3,824	1,996	1,469	566	7,855
2000	1,411	615	574	266	2,866
2001	6,615	3,309	2,782	900	13,606
2002	2,486	1,562	926	380	5,354
2003	10,889	6,324	3,652	1,800	22,665
2004	3,420	2,521	1,037	544	7,522
2005	16,444	9,482	4,362	3,524	33,812
2006	5,138	2,568	950	860	9,516
2007	23,329	13,380	5,294	3,542	45,545
2008	6,213	3,758	1,434	1,240	12,645
2009	23,313	10,064	3,461	2,406	39,244
2010	6,225	3,147	1,084	906	11,362
2011	27,790	19,245	6,433	3,904	57,372
2012	7,903	4,562	1,407	1,245	15,117
2013	38,736	24,455	7,352	5,415	75,958
2014	8,356	5,577	1,848	1,313	17,094
2015	41,101	34,362	10,491	6,587	92,541
2016	7,987	6,663	2,358	1,382	18,390
2017	38,603	41,074	12,196	7,075	98,948
2018	2,721	3,145	1,126	734	7,726
2019	26,430	35,821	11,616	5,524	79,391
2020	870	1,592	331	332	3,125

40 CFR §51.366 (a)(2)(xxii)
number of vehicles tested by model year and type
where the MIL is not commanded on and codes are not stored
12/31/2022

2021	178	262	78	22	540
2022	66	76	20	19	181
2023	1	2	0	0	3
Total	313,193	236,730	83,976	50,860	684,759

READINESS MONITORS:

The OBD system 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 vehicle exceeds the requirements, it is 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	285	31	118	13	447
1997	140	25	62	4	231
1998	615	76	292	31	1,014
1999	357	78	99	22	556
2000	1,035	132	301	60	1,528
2001	1,033	229	282	51	1,595
2002	3,018	557	610	151	4,336
2003	1,242	269	232	78	1,821
2004	3,293	704	864	153	5,014
2005	1,530	327	280	104	2,241
2006	4,037	737	597	223	5,594
2007	1,397	337	260	97	2,091
2008	3,760	712	807	297	5,576
2009	953	211	178	67	1,409
2010	2,486	413	464	171	3,534
2011	951	274	207	90	1,522
2012	2,530	456	376	245	3,607
2013	774	174	182	61	1,191
2014	2,095	324	458	175	3,052
2015	566	127	201	65	959
2016	1,026	244	411	121	1,802
2017	138	32	95	63	328
2018	346	269	204	59	878
2019	9	14	5	5	33
2020	3	2	3	0	8
2021	1	2	3	0	6
2022	2	2	1	0	5
GRAND TOTAL	23,682	15,032	8,251	5,043	52,008

40 CFR §51.366 (a)(2)(xxiii)

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

to 12/31/2022

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 consisted of 214 stations and five technical assistance centers throughout 2022. The Private Inspection facilities are listed below.

PRIVATE INSPECTION FACILITIES OPERATING ON DECEMBER 31, 2022

Station ID	Station Name	Address	City	Zip
WIST1003	Allenton Service	5908 Hillcrest Dr	Allenton	53002
WIST1012	Butler Auto Body	4830 N. 125Th St	Butler	53007
WIST1020	Dons Garage	11916 Antioch Rd	Trevor	53179
WIST1021	WISCO Automotive	496 S. Pine St	Burlington	53105
WIST1022	VI Auto Repair Inc	1552 Wisconsin Ave	Grafton	53024
WIST1026	John Amato Chrysler Dodge Jeep Ram	5900 N. Green Bay Ave	Glendale	53209
WIST1028	Adams And Claybrooks Investments LLC	8822 W. Appleton Ave	Milwaukee	53225
WIST1031	Prime Auto Sale And Service LLC	1502 W. Oklahoma Ave	Milwaukee	53215
WIST1032	Oil Changers-Menomonee Falls	W156N8390 Pilgrim Rd	Menomonee Falls	53051
WIST1033	Oil Changers-West Bend	2353 W. Washington St	West Bend	53095
WIST1034	Oil Changers-Main Street	N88W15220 Main St	Menomonee Falls	53051
WIST1035	IA Auto Solutions LLC	4590 N 124Th St.	Wauwatosa	53222
WIST1036	Uncle Willie's Auto Service LLC	5606 W. Burnham St	West Allis	53219
WIST1037	Ace's Pitstop LLC	8687 N. 107Th St	Milwaukee	53224
WIST1038	Illie Tints LLC	8581 S. 27Th St	Franklin	53132
WIST1039	Reis Automotive-Greenfield	4100 W. Loomis Rd	Greenfield	53221
WIST2015	Heiser Toyota/Scion Inc	11301 W. Metro Auto Mall Blvd	Milwaukee	53224
WIST2019	Automotive Solutions	215 Klein Ln.	Saukville	53080

Station ID	Station Name	Address	City	Zip
WIST2024	Valvoline - Main St. Waukesha	1951 E. Main St	Waukesha	53186
WIST2028	Tires Unlimited Automotive Services	1557 N. Wisconsin St	Port Washington	53074
WIST2030	A & J Automotive	8401 W. Hampton Ave	Milwaukee	53225
WIST2032	Russ Darrow Nissan Of West Bend LLC	2665 W. Washington Ave	West Bend	53095
WIST2035	Tech Way Auto	4004 S. Kinnickinnic Ave	Saint Francis	53235
WIST2039	Zwekabin Automotive Service	3611 W. State St	Milwaukee	53208
WIST2040	3 Kings Auto Sales Inc	1329 43Rd St	Kenosha	53140
WIST2041	Valvoline Oil Change-Pewaukee	1812 Silvernail Rd	Pewaukee	53072
WIST2042	Dep Automotive LLC	5147 Forest Home Ave	Greenfield	53219
WIST2043	Sheboygan Auto Helpers	3667 S. Taylor Dr	Sheboygan	53081
WIST2044	Longhorn Auto Sales LLC	1214 S. 6Th St	Milwaukee	53204
WIST2045	D&D All Auto Repair LLC	6418 28Th Ave	Kenosha	53143
WIST2046	Zarate Auto Sales	591W22945 Milwaukee Ave	Big Bend	53103
WIST2048	Auto Safety Center Cedarburg	7007 State Rd 60	Cedarburg	53012
WIST3003	Accelerated Auto Service	667 W. State St	Burlington	53105
WIST3013	John Amato Hyundai Inc.	8301 N. 76Th St.	Milwaukee	53223
WIST3021	Eric Von Schledorn-Random Lake	W4873 County Road Rr	Random Lake	53075
WIST3022	Fleet 1		Milwaukee	53223
WIST3024	Valvoline - Greenfield	4839 S. 27Th St.	Greenfield	53221
WIST3030	Merlin 200,000 Mile Shop	8601 75Th St	Kenosha	53142
WIST3032	M & D Auto Services	W19 N7533 Becker Dr	Lannon	53046
WIST3034	Valvoline Sussex	N65 W24922 Highway Vv	Sussex	53089
WIST3035	Righteous Autos Inc.	6142 Douglas Ave	Racine	53402
WIST3039	KK Car Service	17125 W. Greenfield Ave	New Berlin	53151
WIST3040	D&D Automotive Repair Inc	1714 Arthur Ct	Waukesha	53188
WIST3041	His Auto	718 Armour Rd	Oconomowoc	53066
WIST3043	Badger Auto	4730 W. Bradley Rd	Brown Deer	53223
WIST3044	Star Auto Repair	1717 Washington Ave	Racine	53403

Station ID	Station Name	Address	City	Zip
WIST3045	2 Brothers Mufflers And Brakes Inc	1632 S. West Ave #A	Waukesha	53189
WIST3049	4 Season Automotive LLC	1911 W. Mitchell St	Milwaukee	53204
WIST4002	Joe's Slinger Service LLC	220 Info Hwy. Ct	Slinger	53086
WIST4003	Kusch's Automotive	136 N. 120Th St	Wauwatosa	53226
WIST4014	Laubenheimers Garage LLC	1860 Hwy 175 Po Box 36	Richfield	53076
WIST4026	Russ Darrow Kia Of Wauwatosa	1901 N. Mayfair Rd	Wauwatosa	53226
WIST4031	R & R Automotive	6930 39Th Ave	Kenosha	53142
WIST4032	Laus Tire & Auto	5025 W. Villard Ave	Milwaukee	53218
WIST4042	Meineke Car Care Center	4320 S. 27Th St.	Milwaukee	53221
WIST4045	Bobs Main Street Auto-Main St	1200 N. Main St	West Bend	53090
WIST4050	Rick's Car Care	6121 W. Mequon Rd	Mequon	53092
WIST4051	Kastenson Auto	21445 Durand Ave	Union Grove	53182
WIST4053	Liberty Street Automotive	1600 Durand Ave	Racine	53403
WIST4054	Valvoline-Plymouth	1950 Eastern Ave	Plymouth	53073
WIST4061	Lake Country Auto Care Inc.	449 Hickory St	Pewaukee	53072
WIST4062	Muffler Magic Complete Car Care	9055 N. 76Th St.	Milwaukee	53223
WIST4063	Jims Auto Service - Plymouth	W4131 Main Rd	Plymouth	53073
WIST4068	Valet Services	7501 N. Port Washington Rd	Glendale	53217
WIST4070	Hooked Up Towing And Repair	1420 9Th St	Racine	53403
WIST4072	M&N Auto Repair LLC	2934 W. Burnham St	Milwaukee	53215
WIST5003	Russ Darrow Chrysler Jeep Dodge-Metro Auto Mall	10901 W. Metro Auto Mall Blvd	Milwaukee	53224
WIST5005	Dave's Garage Inc-Greenfield	5454 W. Forest Home Ave	Greenfield	53220
WIST5008	Bobs Main Street Auto-Decorah	115 W. Decorah Rd	West Bend	53095
WIST5015	Durand Automotive Center	1623 Durand Ave	Racine	53403
WIST5023	Russ Darrow Mitsubishi-Waukesha	W226 S1700 Hwy 164	Waukesha	53186
WIST5029	Palmen Buick, Gmc, Cadillac	7110 74Th Pl	Kenosha	53142
WIST5044	Russ Darrow Nissan LLC-Metro Blvd	11212 W. Metro Blvd	Milwaukee	53224
WIST5045	Dave's Truck & 4X4 Repair, LLC- Jackson	2993 Sherman Rd	Jackson	53037

40 CFR §51.366 (b)(1)(i)

The number of inspection stations and lanes

Station ID	Station Name	Address	City	Zip
WIST5053	Mayer Automotive LLC	W6082 County Road W.	Cascade	53011
WIST5055	Currie Park Auto Center	10745 W. Capitol Dr	Wauwatosa	53222
WIST5058	Ruby Isle Auto	11137 W. Silver Spring Dr	Milwaukee	53225
WIST5066	Gradys BP	6272 S. Packard Ave	Cudahy	53110
WIST5081	Sheboygan Chevrolet	3400 S. Business Dr	Sheboygan	53081
WIST5083	First Rate Auto Service	5424 W. State St	Milwaukee	53208
WIST5088	Abi And Sons Automotive	817 44Th St	Kenosha	53140
WIST5089	Valvoline Instant Oil Change-West Bend	2795 E. Washington St	West Bend	53095
WIST5090	Montez Auto Repair LLC	11321 W. Greenfield Ave	West Allis	53214
WIST5092	Great American Tire And Auto Repair	4106 78Th St	Kenosha	53142
WIST5094	Oil Changers-Jackson	W213N16770 Glen Brooke Dr	Jackson	53037
WIST5095	El Guero Auto Repair LLC	5509 Durand Ave	Racine	53406
WIST5096	Blue Line Auto Sales And Service	583W18350 Saturn Dr	Muskego	53150
WIST5097	Rapid Drive Automotive Center LLC	3101 Rapids Dr	Racine	53404
WIST5098	Reis Automotive-Hales Corners	5381 S. 108Th St	Hales Corners	53130
WIST5099	Kash Bros Auto Group LLC	4033 W. Custer Ave	Milwaukee	53209
WIST5100	Pro Auto Service And Sales LLC	303 E. Monroe Ave	Hartford	53027
WIST6004	Chuck's Main Street Auto	N64 W23876 Main St	Sussex	53089
WIST6007	Anderson Automotive	240 Highland Dr.	Fredonia	53021
WIST6018	Pauls Bender Center	8313 22Nd Ave	Kenosha	53143
WIST6021	Maddison Automotive	219 N. Wales Rd	Muskego	53150
WIST6022	Hall Automotive	704 Bluemount Rd	Waukesha	53188
WIST6026	Martin Ford Sales Inc	19215 Spring St	Union Grove	53182
WIST6031	Valvoline Instant Oil Change- Muskego	W187S7825 Lions Park Dr	Muskego	53150
WIST6033	Eric Von Scheldorn-Saukville	805 E. Green Bay Rd	Saukville	53080
WIST6035	Good Hope Service	4230 W. Good Hope Rd	Milwaukee	53209
WIST6037	Valvoline - Kenosha	3015 52Nd St	Kenosha	53142
WIST6039	Valvoline - Delafield	2325 Sun Valley Dr	Delafield	53018

Station ID	Station Name	Address	City	Zip
WIST6042	Amport Auto Service	1324C White Rock Ave	Waukesha	53186
WIST6043	Mil-City Motors LLC	7169 W. Fond Du Lac Ave	Milwaukee	53218
WIST6044	Fleet Auto Sales & Services LLC	7400 W. National Ave	West Allis	53214
WIST6055	M&J Auto Sales And Service	3069 State Hwy 83	Hartford	53027
WIST6059	Valvoline Oil Change-S. Packard Ave	5506 S. Packard Ave	Cudahy	53110
WIST6060	Krueger's Auto Tech Center Inc	W61 N225 Cardinal Ave	Cedarburg	53012
WIST6061	Brian's Auto Service & Repair LLC	1060 Fond Du Lac Ave	Sheboygan Falls	53085
WIST6062	Sticky Tintz LLC	1749 Broadway Ave	Sheboygan	53081
WIST6063	Matt's Foreign Car Specialist Inc	5519 W. Vliet St	Milwaukee	53208
WIST6064	M&M Complete Car Care LLC	5620 W. Center St	Milwaukee	53210
WIST6065	Allis Automotive	6205 W. Lincoln Ave	West Allis	53219
WIST6066	Gallegos Automotive LLC	7606 W. Greenfield Ave	West Allis	53214
WIST6067	Waterford Automotive	404 E. Division St	Waterford	53185
WIST6070	Sanfelippo Auto Repair Inc	646 S. 2Nd St	Milwaukee	53204
WIST6071	CPS Auto Repair	721 W. Windlake Ave	Milwaukee	53204
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 Blvd	Milwaukee	53224
WIST7011	Salem Auto Service	8515 Antioch Rd	Salem	53168
WIST7014	Oak Creek Automotive Inc	7948 S. 27Th St	Oak Creek	53154
WIST7016	Hartland Service Inc	400 Industrial Dr	Hartland	53029
WIST7020	American Muffler & Automotive	1008 S. Pine St	Burlington	53105
WIST7022	John Paul's Greenfield Buick Gmc	3615 S. 108Th St	Greenfield	53228
WIST7033	Pinkalla Auto Solutions	3059 Durand Ave	Racine	53403
WIST7036	Racine Auto Specialist	2320 Douglas Ave	Racine	53402
WIST7039	Richfield Service	1810 Wolf Rd	Richfield	53076
WIST7049	Russ Darrow Toyota-West Bend	2700 W. Washington St	West Bend	53095
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

Station ID	Station Name	Address	City	Zip
WIST7056	Southtown Tire & Auto	2906 S. 108Th St	West Allis	53227
WIST7061	Theel Auto Inc.	N8364 County Rd J	Elkhart Lake	53020
WIST7070	Weissman Automotive	W140N10455 Fond Du Lac Ave	Germantown	53022
WIST7073	Wilmot Auto Service Inc	11307 Fox River Rd	Wilmot	53192
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
WIST7081	Farkas Automotive Inc	8008 N. Sherman Blvd	Brown Deer	53209
WIST7088	Hoffman's Auto & Tire	4811 Green Bay Rd	Kenosha	53144
WIST7092	G-Brocks Auto Repair	375 E. Ottawa Ave	Dousman	53118
WIST7093	Gordon's #1 Wheel Service	3595 N. 124Th St	Brookfield	53005
WIST7094	Muskego Tire & Auto	573 W16610 Janesville Rd	Muskego	53150
WIST7095	National Complete Auto Care	16405 W. National Ave	New Berlin	53151
WIST7098	Shorewood Auto Repair	1330 E. Capitol Dr	Shorewood	53211
WIST7103	Meyer Motors Inc	107 Plaza Ln	Plymouth	53073
WIST7115	Black Tie Auto Services	584 W21172 Janesville Rd	Muskego	53150
WIST7120	Manyo Motors	4035 N. Green Bay Ave	Milwaukee	53209
WIST7123	Tires Plus - Kenosha	7424 74Th Pl	Kenosha	53142
WIST7126	Valvoline-Racine	5920 21St St	Racine	53406
WIST7129	Hopson Automotive	W241 S4165 Pine Hollow Ct	Waukesha	53189
WIST7130	Valvoline - Layton	8008 W. Layton Ave.	Greenfield	53220
WIST7135	Grand Motorsports	W68N954 Washington Ave	Cedarburg	53012
WIST7137	Rutters Automotive Service LLC	7550 W. Appleton Ave	Milwaukee	53216
WIST7138	Gamino's Auto Repair	6156 Douglas Ave	Racine	53402
WIST7140	Brookfield Auto Care	12425 W. North Ave	Brookfield	53005
WIST7141	Jiffy Lube-Kenosha	3321 Market Ln	Kenosha	53144
WIST7142	Dynamic Automotive Solutions LLC	1230 S. West Ave	Waukesha	53186
WIST7144	Precision Auto And Diesel	W395 N5700 Frontier Rd	Oconomowoc	53066
WIST7145	FM Auto Sales & Service LLC	4264 S. Packard Ave	Saint Francis	53235

40 CFR §51.366 (b)(1)(i)

The number of inspection stations and lanes

Station ID	Station Name	Address	City	Zip
WIST7146	Lomeli Auto Repair	4100 W. Orchard St	Milwaukee	53215
WIST7147	Heppes Service Of Wisconsin Inc	9152 W. Bluemound Rd	Milwaukee	53226
WIST7148	Eddie's Service Inc	125 N. Riverside Dr	Saukville	53080
WIST7149	RC Automotive LLC	7419 W. Bradley Rd	Milwaukee	53223
WIST7150	Midwest Autos And Services LLC	1711 W. Center St	Milwaukee	53206
WIST8004	National Auto Tech	630 W. National Ave	Milwaukee	53204
WIST8008	R.K. Motors	3700 N. Holton St	Milwaukee	53212
WIST8011	B Towne Auto Service	457 Falcon Ridge Dr	Burlington	53105
WIST8016	Its All Good Auto Repair	10125 W. Loomis Rd	Franklin	53132
WIST8018	Jeffs Automotive-Cudahy	5261 S. Nicholson Ave	Cudahy	53110
WIST8023	Jiffy Lube-Muskego	564 W15890 Commerce Center Pkwy	Muskego	53150
WIST8027	Auto Safety Center West Bend	3700 W. Washington St	West Bend	53095
WIST8028	Tom's Auto Maintenance	5240 S. 27Th St	Milwaukee	53221
WIST8029	Oil Changers-Wales	120 W. Summit Ave	Wales	53183
WIST8030	Oil Changers-Port Washington	1610 N. Wisconsin St	Port Washington	53074
WIST8031	Smart Wash LLC	1155 Anderson Ct	Oak Creek	53154
WIST8033	M&M Citgo	2101 Douglas Ave	Racine	53402

PRIVATE INSPECTION FACILITIES DEACTIVATED IN 2022

<i>Date of Deactivation</i>	<i>Station Number</i>	<i>Company</i>	<i>Address</i>	<i>City</i>	<i>Zip</i>
2022-01-21	WIST2031	Meineke-Racine	6006 21st Street	Racine	53406
2022-02-10	WIST7130	Valvoline - Layton	8008 W. Layton Ave.	Greenfield	53220
2022-03-01	WIST5074	Valvoline-68th St.	112 S 68th Street	Milwaukee	53214
2022-03-04	WIST7132	Brown Deer Tire & Auto	4730 W Bradley Rd	Brown Deer	53223
2022-03-14	WISTT0011	Genuine Mechanics	1453 N. 40th	Milwaukee	53081
2022-03-15	WIST7004	Passehl's BP	4625 Taylor Ave.	Racine	53405
2022-03-31	WIST3015	Carlton Automotive Inc	39 Center Ave	Oostburg	53070
2022-04-01	WIST5086	Kwiky Lube Plus-Main Street	N88 W15220 Main Street	Menomonee Falls	53051
2022-04-01	WIST5077	Menomonee Falls Super Lube	W156 N8390 Pilgrim Rd	Menomonee Falls	53095
2022-04-06	WIST8009	Kwiky Lube Plus-Jackson	W213N16770 Glen Brooke Dr	Jackson	53037
2022-04-06	WIST4048	Kwiky Lube Plus-West Bend	2353 W Washington St	West Bend	53095
2022-04-08	WIST2021	Kwiky Lube Plus-Port Washington	1610 N Wisconsin St	Port Washington	53074
2022-04-08	WIST7068	Wales Super Lube #421	120 W. Summit Ave	Wales	53183
2022-04-19	WIST2029	Road Runner Express	5275 S. Moorland Rd	New Berlin	53151
2022-05-08	WIST4049	Labelle Auto	N56W39413 Highway 16	Oconomowoc	53066
2022-06-07	WIST5091	Auto Time Services LLC	3005 N 15th Street	Sheboygan	53083
2022-06-10	WIST6058	O'Gormans West Towne Auto	7105 W. North Ave	Wauwatosa	53213
2022-07-08	WIST6001	M & M Douglas Park Service Center Inc	2101 Douglas Ave	Racine	53402
2022-07-20	WIST4057	Marks Mobil Service LLC	12401 W. Cleveland Ave	New Berlin	53151
2022-07-20	WIST3014	Komp Tech Automotive & Service	8832 W Greenfield Ave	West Allis	53214
2022-08-05	WIST8026	Autoplex MKE LLC	6000 W. Forest Home Ave	Milwaukee	53220
2022-08-24	WIST7143	Valvoline Instant Oil Change	992 Port Washington Rd	Grafton	53024
2022-08-24	WIST3006	Martin's Automotive Service	W230S8750 Wynn Dr	Big Bend	53103
2022-09-14	WIST7106	Wilde Toyota	3225 S. 108th Street	West Allis	53227
2022-09-28	WIST4060	Mcdevitts Towing And Service	5150 60th St	Kenosha	53144

<i>Date of Deactivation</i>	<i>Station Number</i>	<i>Company</i>	<i>Address</i>	<i>City</i>	<i>Zip</i>
2022-10-18	WIST4064	Ewald Hartford Ford LLC	2570 E. Sumner St	Hartford	53027
2022-10-19	WIST5017	Pro Auto Service And Sales LLC	303 E. Monroe Ave	Hartford	53027
2022-10-19	WIST4040	Ewald Venus Ford-Cudahy	2727 E Layton	Cudahy	53110
2022-10-19	WIST5085	Ewald Chrysler Jeep Dodge Ram	6319 S. 108th St	Franklin	53132
2022-11-11	WIST2017	Ewald Chevrolet Buick LLC-Oconomowoc	36833 E Wisconsin Ave	Oconomowoc	53066
2022-11-14	WIST4071	Reflections Details	6115 N. Flint Rd.	Glendale	53209
2022-11-25	WIST6013	Lutter's Elmbrook Automotive	16880 Greenfield Avenue	Brookfield	53005
2022-12-02	WIST7134	Karls Garage LLC	N6745B State Road 32	Sheboygan Falls	53085

TECHNICAL ASSISTANCE CENTERS

<i>Station Number</i>	<i>Company</i>	<i>Address</i>	<i>City</i>	<i>Zip</i>
WISTT005	SCHAEFER SERVICE CENTER (TAC)	1130 E. COMMERCE BLVD	SLINGER	53086
WISTT009	JERRY'S AUTO SERVICE INC. (TAC)	W229N2467 HWY F	WAUKESHA	53186
WISTT0010	SAMS AUTO SHOP (TAC)	4315 BYRD AVENUE	RACINE	53405
WISTT0011	Genuine Mechanics (TAC) (Deactivated 2022-03-14)	1453 N. 40th	Milwaukee	53081
WISTT0012	RUBY ISLE AUTO (TAC)	11137 W SILVER SPRING DR.	MILWAUKEE	53225

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: 197

(ii) Not receiving overt audits in the year: 17

(iii) Receiving covert audits in the year: 192

(iv) Not receiving covert audits in the year: 22

(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 375 covert audits conducted in 2022.

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.

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

NUMBER OF INSPECTORS LICENSED OR CERTIFIED TO CONDUCT TESTING

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

There were **1098** inspectors certified to conduct tests in 2022.

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 2022.
10 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 2,412 equipment audits conducted in 2022.

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 2022.

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 652,182 vehicles selected (model years: 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, and 2020) for notification in 2022. There were an additional estimated 139,549 vehicles selected for notification at change of ownership, for an estimated 791,731 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, 638,838 vehicles receiving mandatory inspections in 2022 received a pass, waiver or diagnostic waiver test result. This is an 80.7% 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 7,964 temporary plates issued in 2022. WisDOT Vehicle Emissions Inspection Unit issued 11 temporary exemptions, and DMV issued 4,119 temporary exemptions in 2022.

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 2022. Of the 208 vehicles surveyed, 30 (14.4%) were registered out of the program area. Of the 178 vehicles subject to emissions testing, 6 vehicles (3.4%) were not in compliance, resulting in a 96.6% 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 2022, WisDOT personnel completed investigations on 245 vehicles that listed domicile outside of the program area but were suspected of being kept in the program area. After receiving notification from WisDOT, 129 vehicles submitted to testing and received a passing result; 66 vehicles were suspended for failing to comply; 20 were junked or sold and 30 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 2022, the compliance rate for mandatory testing requirements was 80.69%. 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 2,299 registration files reviewed, 245 vehicles were observed in the program area, but were listed outside of the program area. After receiving notification from WisDOT, 129 (52.6%) vehicles submitted to testing and received a passing result; 66 (26.9%) vehicles were suspended for failing to comply; 20 (8.1%) were junked or sold and 30 (12.2%) provided verification that they were being kept outside of the program area.

Of the 208 vehicles surveyed, 30 (14.4%) were registered out of the program area. Of the 178 vehicles subject to emissions testing, 6 vehicles (3.4%) were not in compliance, resulting in a 96.6% 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 2021-2022.

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 (NO_x), 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 629,364 vehicles in 2021. Including all tests issued with a result of pass, fail, abort, void, or waived, the WIVIP conducted 664,461 tests in 2021. The program's aggregate failure rate in 2021

(among pass and fail results) was 3.72 %. In 2022, the WIVIP tested approximately 646,000 vehicles, conducted 682,504 tests, and had an aggregate fail rate of 3.68%

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

WISCONSIN DEPARTMENT OF TRANSPORTATION PERSONNEL

One Program Supervisor and one Quality Assurance Specialist joined the program in 2022 to fill two positions opened by retirement.

WAIVER REPAIR COST LIMIT RAISED

The waiver repair cost limit increased to \$978, effective July 1, 2022.

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.

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	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	2022
WIST1003	1375	8	2	14	4	32	11	68	13	84	17	85	14	69	14	148	24	173	32	169	34	188	14	149	7	1	0
WIST1012	1137	13	2	22	10	30	9	41	12	61	19	82	19	71	23	88	19	141	18	115	29	163	9	131	5	1	0
WIST1020	760	8	4	12	4	25	9	31	5	42	13	52	15	30	20	56	18	76	30	97	24	98	11	76	2	0	0
WIST1021	1376	8	2	6	5	24	14	32	18	80	18	78	25	72	25	98	27	139	52	163	41	243	18	172	11	0	0
WIST1022	1788	11	2	26	3	35	12	72	11	80	16	129	22	107	25	160	27	236	38	236	35	251	22	224	5	1	0
WIST1026	12576	48	18	91	47	149	69	268	114	477	173	683	219	686	203	1069	288	1423	281	1846	424	2023	184	1691	63	22	8
WIST1028	22	1	0	2	0	1	0	1	1	0	1	3	0	1	1	1	0	3	0	2	1	2	0	1	0	0	0
WIST1031	602	4	3	6	10	18	5	25	10	40	14	59	20	32	14	41	26	53	21	59	13	59	4	59	5	0	0
WIST1032	11622	68	17	125	46	223	64	403	84	573	130	782	172	726	173	1066	180	1354	225	1631	274	1727	100	1398	63	5	7
WIST1033	4556	22	12	51	17	65	29	147	40	224	80	300	82	281	76	398	86	535	115	618	118	735	31	462	25	5	1
WIST1034	5466	28	11	50	16	95	27	195	52	249	62	375	95	317	86	476	104	605	140	730	134	859	51	667	30	7	1
WIST1035	265	1	0	2	0	5	1	7	1	23	11	10	6	18	10	23	4	33	4	29	7	37	6	23	4	0	0
WIST1036	172	1	0	0	0	2	3	9	0	12	5	15	8	8	2	17	3	17	8	18	5	17	2	17	3	0	0
WIST1037	20	0	0	0	1	1	0	0	1	1	0	1	2	0	2	1	3	1	0	0	0	2	1	1	2	0	0
WIST1038	97	0	0	1	0	2	0	0	1	4	1	4	1	4	0	5	5	13	4	14	3	18	2	12	3	0	0
WIST1039	393	3	1	2	1	4	0	11	3	10	9	26	9	14	6	28	15	37	25	36	19	61	21	40	11	0	0
WIST2015	3918	27	7	43	18	69	38	116	40	201	58	237	71	231	63	321	103	426	119	511	106	565	66	452	18	5	3
WIST2017	5696	37	11	59	19	104	20	142	40	224	34	324	58	325	46	462	116	693	98	934	134	922	44	834	9	5	1
WIST2019	1126	11	4	16	8	36	24	62	25	52	27	68	14	71	17	88	20	118	25	132	22	132	8	141	3	1	0
WIST2021	1909	18	3	21	6	33	23	69	13	101	22	159	37	125	22	151	36	211	46	246	56	272	18	218	2	1	0
WIST2024	3366	8	7	35	9	49	19	84	33	172	49	208	56	212	41	260	56	429	60	441	94	526	45	440	25	1	1
WIST2028	3880	26	7	68	17	78	24	126	26	198	42	252	50	225	48	382	55	434	87	556	95	584	44	429	20	2	0
WIST2029	1247	7	5	5	2	26	2	46	15	64	18	84	21	67	28	102	36	138	29	152	50	169	33	144	2	0	0
WIST2030	2227	8	9	25	24	57	43	94	45	152	64	188	89	135	77	166	79	234	100	203	67	203	29	126	4	2	1
WIST2031	9	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	2	0	1	0	1	0	0	0
WIST2032	551	1	1	6	0	6	2	11	2	31	5	23	6	34	7	41	10	67	5	65	16	108	4	95	5	0	0
WIST2035	8641	92	28	114	54	196	80	363	150	567	157	653	224	544	197	740	229	869	250	1100	243	985	75	697	16	5	0
WIST2039	3377	17	12	47	26	88	40	127	72	264	104	291	133	228	108	288	127	310	130	330	98	298	35	192	7	2	2
WIST2040	270	3	1	2	0	9	1	13	4	14	11	13	7	20	7	18	8	22	8	42	8	35	3	20	1	0	0
WIST2041	3464	10	4	23	12	46	20	92	30	138	32	191	40	176	56	276	87	391	76	503	113	541	55	525	21	3	0
WIST2042	814	8	3	22	5	26	7	27	11	48	13	69	13	53	18	54	15	91	31	101	17	85	6	86	4	0	0
WIST2043	1011	14	1	14	3	26	9	37	9	55	12	76	13	48	15	86	25	110	23	126	30	143	4	116	9	4	0
WIST2044	718	5	2	6	4	23	7	43	9	42	9	47	18	40	22	57	23	77	41	68	21	78	6	62	4	1	0
WIST2045	685	7	3	8	13	23	16	32	14	28	21	51	24	22	19	52	28	63	19	63	15	71	7	79	7	0	0
WIST2046	674	3	4	5	1	13	4	21	7	33	10	43	10	23	10	59	12	63	13	99	20	108	13	86	13	1	0
WIST2048	153	0	1	2	0	4	2	0	2	5	5	13	7	6	7	7	6	7	7	12	12	11	11	18	7	1	0
WIST3003	1315	7	3	30	10	41	10	70	18	68	21	113	20	69	21	102	27	123	26	150	31	185	10	156	3	1	0
WIST3006	2676	16	6	38	13	46	17	112	25	145	25	186	40	168	35	223	45	307	53	386	52	390	22	322	1	0	0
WIST3013	5873	31	15	54	36	96	62	212	99	308	130	418	171	323	124	505	189	647	199	655	185	733	88	541	24	11	8

40 CFR §51.366 (a)(3)
Initial Test Volume by Model Year and Station
to 12/31/2022

Station ID	Total	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	2022
WIST3014	171	0	0	5	2	5	5	10	2	9	5	14	7	12	7	12	5	19	13	13	3	11	0	8	2	0	0
WIST3015	783	2	1	15	3	17	18	24	6	39	13	70	17	49	7	92	13	106	23	97	11	83	7	68	0	0	0
WIST3021	3024	22	5	38	11	79	23	128	31	167	38	200	54	159	49	258	70	385	89	386	63	410	27	320	7	2	1
WIST3022	154	1	4	1	3	4	3	5	5	9	2	24	14	12	3	16	0	13	3	7	2	4	14	4	1	0	0
WIST3024	10370	81	32	154	61	219	94	413	146	654	168	807	229	703	230	899	250	1135	281	1280	217	1223	94	952	19	9	5
WIST3030	1963	7	3	13	4	37	14	57	16	78	9	112	32	81	32	150	46	228	46	323	64	340	14	240	15	1	1
WIST3032	1166	11	3	15	10	25	7	28	5	64	10	94	21	53	11	99	28	144	33	145	27	168	15	135	7	0	1
WIST3034	1932	8	1	11	2	23	7	47	21	71	16	89	22	93	29	166	39	234	38	318	47	338	20	286	4	1	0
WIST3035	1116	8	0	8	4	18	7	41	9	65	12	64	12	62	18	86	19	134	23	175	22	170	10	141	7	1	0
WIST3039	4524	35	5	57	15	85	39	150	47	254	41	297	42	293	72	406	77	502	95	599	96	663	50	560	35	7	0
WIST3040	5304	29	18	55	20	93	51	180	64	264	78	365	105	299	96	496	123	575	104	727	123	737	70	598	28	1	2
WIST3041	2272	16	4	29	14	43	6	72	19	86	38	161	38	118	28	166	35	285	81	331	90	318	21	248	23	1	0
WIST3043	1304	3	7	17	5	30	15	48	27	70	33	101	26	91	23	119	22	144	41	141	38	170	7	122	2	1	1
WIST3044	85	1	0	1	1	2	1	6	1	7	1	3	2	5	1	6	1	7	0	13	4	12	0	7	2	0	0
WIST3045	443	2	2	7	0	14	3	12	3	16	5	28	9	23	7	34	6	51	16	55	15	69	7	51	8	0	0
WIST3049	105	3	0	0	0	5	3	5	2	7	1	4	2	4	1	11	5	15	0	17	3	6	4	5	2	0	0
WIST4002	1858	13	5	13	12	40	13	66	11	65	28	100	29	94	16	177	41	206	45	277	36	297	14	239	15	1	2
WIST4003	11399	70	36	123	46	204	90	369	124	504	163	709	213	685	201	991	276	1308	289	1532	329	1647	157	1261	48	4	6
WIST4014	1242	8	7	26	4	34	15	57	22	74	11	100	14	67	14	98	17	127	29	139	21	179	7	159	12	0	0
WIST4026	5017	22	9	23	11	55	26	85	27	162	49	242	72	245	67	405	101	615	120	745	160	812	85	687	110	55	21
WIST4031	12910	129	47	237	88	359	179	574	237	847	289	1003	320	786	260	1080	335	1315	364	1478	345	1482	131	963	26	11	0
WIST4032	8539	79	54	161	73	280	165	389	216	609	307	750	390	474	275	659	288	736	261	760	259	755	84	466	12	5	3
WIST4040	4686	28	13	72	30	123	34	164	61	278	76	350	93	276	94	413	89	499	124	559	112	619	53	502	10	7	2
WIST4042	3480	32	11	58	18	95	36	150	50	224	52	296	97	258	66	286	76	377	100	379	86	390	40	285	8	4	1
WIST4045	3125	25	4	44	16	54	21	121	30	177	22	214	46	166	41	263	69	387	73	406	86	478	28	337	13	0	0
WIST4048	1692	6	4	11	9	35	18	52	22	100	14	125	32	101	28	155	34	197	38	217	52	236	21	181	1	1	0
WIST4049	143	1	0	3	1	1	0	4	2	7	1	11	1	7	3	19	4	12	6	11	8	22	3	16	0	0	0
WIST4050	9536	39	12	83	16	133	48	249	49	309	93	525	106	514	127	767	135	1076	174	1520	231	1637	122	1489	64	9	2
WIST4051	3775	43	10	51	36	96	36	128	47	231	63	270	67	198	52	303	75	378	75	492	109	517	31	439	18	2	0
WIST4053	556	9	0	16	3	27	8	36	6	42	10	46	20	31	12	45	10	46	9	64	11	51	8	44	0	1	0
WIST4054	4490	35	13	73	26	117	38	153	65	252	85	375	72	247	71	386	95	492	102	568	89	592	39	475	24	2	1
WIST4057	1696	9	2	31	4	35	12	81	21	72	23	107	33	117	35	157	30	217	39	217	37	213	19	183	0	0	1
WIST4060	322	2	1	8	3	7	6	4	3	11	7	25	6	17	3	21	5	40	5	44	7	54	2	33	4	0	0
WIST4061	3303	15	1	28	4	60	3	84	20	129	23	200	34	155	42	270	44	443	65	489	79	594	37	459	21	0	2
WIST4062	3991	25	14	25	19	74	58	157	76	204	122	330	173	258	128	305	184	372	154	439	116	420	48	270	10	5	0
WIST4063	545	4	2	6	2	17	5	21	5	32	6	41	8	34	9	49	11	64	18	64	12	67	3	62	2	0	0
WIST4064	1101	2	0	5	2	14	5	23	7	47	9	58	19	45	13	88	13	151	38	162	27	193	15	164	0	0	0
WIST4068	1989	6	3	15	5	16	7	40	15	57	24	113	17	109	23	164	36	230	42	310	44	320	24	352	15	1	1
WIST4070	107	1	1	4	1	3	2	7	0	4	2	12	5	9	0	7	4	9	3	14	3	8	1	7	0	0	0
WIST4071	261	2	0	4	2	3	0	10	2	11	2	14	2	12	7	28	8	23	7	29	14	38	3	40	0	0	0
WIST4072	1783	16	3	32	17	53	32	116	42	137	53	194	59	119	51	153	72	158	51	154	48	130	12	75	2	0	0
WIST5003	1094	4	2	5	3	18	1	25	14	47	16	51	25	42	19	63	27	113	43	161	42	184	21	159	7	1	0
WIST5005	1604	26	7	35	13	52	22	102	23	95	33	142	21	114	25	140	23	144	34	195	29	174	13	132	6	2	0
WIST5008	7091	44	21	94	27	171	43	257	68	404	78	470	87	393	92	622	127	851	162	986	153	1072	71	761	28	4	2
WIST5015	5247	50	20	96	32	155	74	235	104	337	103	380	116	320	82	461	112	547	118	624	151	627	47	428	20	2	0

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Initial Test Volume by Model Year and Station
to 12/31/2022

Station ID	Total	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	2022
WIST5017	3525	21	11	43	16	89	20	161	23	188	37	272	80	230	53	316	76	402	73	472	79	483	17	358	2	0	0
WIST5023	2426	5	7	19	1	40	12	86	23	91	35	138	44	140	29	225	36	238	48	326	68	414	25	354	22	0	0
WIST5029	5991	36	9	46	22	105	31	153	48	243	48	348	86	277	79	475	106	558	139	851	177	988	72	1039	35	8	5
WIST5044	1163	2	1	6	1	5	3	32	8	30	19	51	15	57	21	79	23	126	32	200	53	207	23	154	10	4	0
WIST5045	224	0	1	2	0	7	7	9	0	7	2	20	2	13	4	23	5	26	4	15	4	33	1	34	4	0	0
WIST5053	1157	19	7	27	4	48	10	66	13	87	20	111	18	79	14	97	25	117	20	134	21	124	7	87	2	0	0
WIST5055	12377	53	19	136	66	264	109	442	164	723	254	947	314	744	259	1071	336	1335	397	1543	424	1541	162	1006	39	12	1
WIST5058	147	2	0	0	2	3	1	6	6	9	4	7	7	6	5	13	9	14	3	12	2	20	1	13	2	0	0
WIST5066	7268	58	30	119	43	223	83	347	107	447	135	598	158	459	137	607	185	737	207	853	181	839	72	595	21	9	2
WIST5074	1053	6	2	15	11	22	11	32	30	42	30	60	34	64	36	78	51	95	55	106	54	98	28	91	0	0	0
WIST5077	3579	16	7	34	15	48	25	121	28	167	43	276	57	220	60	359	60	399	78	505	92	524	39	400	1	3	0
WIST5081	27950	195	72	346	137	619	231	1000	329	1434	427	2064	515	1594	446	2376	569	3248	711	3773	672	3913	254	2856	108	22	4
WIST5083	3470	28	12	32	11	85	26	141	56	180	58	251	90	232	72	277	98	371	103	470	114	417	29	312	4	0	0
WIST5085	4462	34	8	49	12	54	11	109	28	211	32	245	33	236	41	376	54	549	78	747	90	723	46	678	7	6	4
WIST5086	2039	12	6	22	5	37	18	65	20	70	28	139	42	111	35	192	48	244	53	264	68	276	45	231	4	3	0
WIST5088	908	12	6	22	8	34	15	43	23	71	18	75	34	48	9	65	14	92	20	96	28	99	7	62	6	0	0
WIST5089	2090	10	6	20	2	27	12	46	20	84	26	118	34	111	27	177	56	236	56	309	74	325	21	282	5	1	1
WIST5090	18947	132	81	260	106	502	217	872	294	1256	393	1545	459	1186	397	1653	474	2008	527	2192	444	2186	166	1514	46	12	3
WIST5091	1138	15	4	15	6	32	16	48	20	100	11	95	22	77	10	95	20	118	19	126	25	139	3	121	0	0	0
WIST5092	4675	36	21	77	30	90	49	191	66	283	86	334	102	287	92	377	117	503	139	567	139	571	55	444	6	1	0
WIST5094	3869	20	11	51	19	87	13	130	36	163	33	273	53	222	64	341	70	445	93	544	74	606	33	455	22	3	5
WIST5095	152	4	1	0	0	2	3	9	3	6	4	11	6	9	0	13	5	20	3	18	0	10	1	18	6	0	0
WIST5096	64	3	0	1	0	0	1	3	0	3	3	1	0	3	2	6	3	6	0	9	3	6	1	7	2	0	1
WIST5097	119	0	0	1	0	3	0	3	2	5	4	12	3	3	0	8	1	12	8	11	6	16	3	14	4	0	0
WIST5098	606	5	3	8	1	10	6	14	5	19	4	23	12	28	15	35	25	60	17	69	32	73	24	88	26	1	0
WIST5099	29	0	0	0	0	0	0	0	0	2	0	3	1	0	3	2	2	3	3	2	1	6	0	0	1	0	0
WIST5100	751	5	5	6	6	17	15	30	8	34	10	27	19	32	21	64	22	89	24	93	26	101	17	73	5	1	0
WIST6001	5891	61	23	115	53	214	84	324	109	437	154	494	141	378	116	489	126	539	139	657	127	634	39	412	7	5	1
WIST6004	7456	28	15	72	16	127	37	224	42	373	65	466	86	382	100	628	123	867	150	1149	182	1223	81	977	41	0	0
WIST6007	591	6	2	11	1	18	5	36	11	43	11	51	13	38	7	38	10	67	16	66	14	71	2	51	1	0	0
WIST6013	2665	6	1	23	6	37	14	67	10	100	21	163	18	172	26	231	26	316	44	438	50	469	22	401	2	2	0
WIST6018	6145	53	16	81	45	159	72	239	79	339	103	438	131	365	134	438	155	618	170	747	172	820	67	667	26	2	0
WIST6021	4027	20	5	45	5	65	17	123	17	169	31	281	40	180	60	318	75	490	92	616	101	664	45	545	19	2	0
WIST6022	6173	28	10	64	19	101	37	154	54	247	72	393	75	332	59	529	130	753	140	917	155	955	69	825	43	5	2
WIST6026	2540	18	7	22	9	50	11	82	28	112	25	153	49	126	30	182	56	297	49	335	67	431	35	354	6	3	0
WIST6031	4790	35	7	61	22	88	29	160	26	247	42	345	69	263	52	464	70	602	79	694	105	699	34	589	3	2	1
WIST6033	1158	2	2	6	2	25	4	27	4	54	10	55	10	48	11	88	20	136	29	170	33	196	15	198	11	2	0
WIST6035	3776	24	6	43	19	70	37	112	43	200	71	264	106	230	70	311	99	427	98	449	129	500	53	391	19	0	1
WIST6037	5202	30	17	88	35	142	78	231	90	318	102	389	146	331	119	473	150	474	150	619	111	618	40	428	15	3	2
WIST6039	3753	11	0	19	7	43	10	79	32	135	22	167	38	207	52	299	81	445	89	617	115	625	48	586	23	1	0
WIST6042	4483	30	12	62	27	118	41	160	71	278	77	329	86	306	75	378	110	489	110	529	116	550	38	463	14	4	1
WIST6043	4376	37	12	87	38	166	67	237	110	299	139	404	169	344	133	391	147	353	116	367	128	345	34	235	6	1	0
WIST6044	4999	42	18	80	36	153	59	238	91	332	109	398	132	346	108	430	131	517	145	528	137	549	53	348	13	0	1
WIST6055	1309	9	2	11	6	28	7	37	7	46	23	83	22	71	16	102	21	158	33	183	31	201	22	180	7	0	1
WIST6058	3657	19	10	40	17	54	30	100	47	170	65	250	82	212	82	297	98	449	109	503	122	469	37	390	2	1	0

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Station ID	Total	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	2022
WIST6059	2817	19	5	18	17	48	30	85	37	158	40	207	57	184	62	224	73	336	64	386	78	389	32	257	4	5	2
WIST6060	1606	5	3	13	2	25	5	38	11	87	18	95	11	96	16	131	25	169	18	235	29	238	24	289	16	4	0
WIST6061	835	5	2	9	3	26	4	27	8	45	10	57	13	68	9	75	23	98	16	111	17	115	8	79	7	0	0
WIST6062	304	4	0	3	3	11	2	18	2	24	4	24	4	16	5	31	1	30	10	34	5	38	2	30	2	0	0
WIST6063	437	3	0	10	1	14	3	18	4	22	5	28	6	29	4	31	16	54	11	57	17	46	2	51	5	0	0
WIST6064	309	2	2	4	1	8	4	12	6	15	9	23	15	22	11	20	15	28	7	35	7	39	7	14	1	1	0
WIST6065	1575	11	3	25	6	56	9	69	18	110	29	137	35	91	34	162	22	177	23	181	29	189	10	137	8	1	0
WIST6066	968	5	3	18	12	18	16	48	8	54	19	76	17	80	13	85	16	103	19	108	37	121	9	72	8	2	0
WIST6067	687	7	0	8	5	7	7	16	1	36	7	39	8	28	11	55	17	77	27	93	16	91	11	112	7	0	0
WIST6070	73	0	0	0	0	0	1	1	0	2	1	3	2	2	2	7	3	6	3	9	5	8	6	6	6	0	0
WIST6071	134	0	1	2	0	6	4	9	4	7	3	11	6	15	2	7	6	11	2	14	3	5	1	11	2	0	0
WIST7004	1238	11	2	26	6	29	19	54	16	75	30	92	27	71	25	106	23	131	25	163	32	155	14	103	1	0	0
WIST7006	1192	7	2	8	2	42	7	40	14	46	4	53	12	42	10	71	18	133	37	175	29	223	23	180	10	1	0
WIST7009	2519	4	4	19	10	39	21	81	25	103	47	164	52	124	50	218	45	253	79	302	87	394	47	331	13	3	2
WIST7011	6072	46	22	107	37	168	61	246	75	371	79	404	108	305	85	482	134	632	160	804	167	870	64	607	23	5	0
WIST7014	16037	84	40	193	72	376	119	583	189	880	203	1094	293	980	256	1365	381	1799	429	2061	429	2217	169	1730	64	10	4
WIST7016	14879	63	18	116	34	219	77	378	119	638	119	855	236	788	179	1128	266	1696	343	2209	420	2474	225	2150	95	20	5
WIST7020	796	10	2	11	3	31	3	32	3	35	10	47	6	43	7	65	11	107	19	94	19	117	5	114	2	0	0
WIST7022	4776	29	10	49	10	93	27	160	31	255	67	350	65	283	52	377	101	505	104	696	112	699	65	605	20	2	1
WIST7033	16334	151	38	232	99	414	183	683	250	1009	290	1214	384	931	302	1397	368	1741	416	2049	376	2034	161	1507	57	12	6
WIST7036	10252	84	33	160	81	294	134	478	201	658	230	818	256	590	199	825	226	1028	285	1184	251	1200	85	895	21	7	3
WIST7039	2931	12	9	43	8	64	16	87	17	134	35	173	49	167	23	273	30	339	55	433	74	435	41	397	13	1	0
WIST7049	3679	11	7	33	19	52	9	135	22	178	44	223	47	183	44	288	56	397	79	540	81	643	50	510	21	4	1
WIST7053	3065	30	11	60	15	82	36	123	38	170	41	215	57	164	38	254	68	303	72	420	85	395	51	317	10	3	0
WIST7055	13652	99	41	219	79	335	118	530	194	821	232	1011	296	861	290	1203	350	1512	355	1663	367	1661	121	1223	45	7	1
WIST7056	2141	17	6	28	9	47	13	82	18	140	35	183	31	128	41	215	35	232	40	248	41	282	27	234	8	0	0
WIST7061	1603	19	4	29	7	49	23	66	20	85	20	106	22	84	20	100	28	188	42	227	29	218	12	192	8	0	1
WIST7068	1626	11	3	22	9	40	4	36	21	57	22	95	23	90	32	134	23	198	41	212	55	293	26	178	1	0	0
WIST7070	6196	43	8	47	16	124	41	170	47	275	50	403	90	322	78	561	122	743	102	869	158	995	73	814	35	6	2
WIST7073	4958	45	17	80	22	95	52	199	73	318	88	298	114	264	74	391	111	502	138	611	130	712	68	524	26	1	0
WIST7075	3864	27	7	64	18	92	31	145	34	229	49	249	61	266	54	327	72	413	89	474	92	524	30	497	15	0	1
WIST7076	13439	55	18	115	40	249	74	418	119	623	162	792	195	807	196	1171	246	1490	308	1845	323	2196	119	1797	57	14	2
WIST7081	8110	62	28	110	38	199	84	357	110	440	178	683	168	504	164	671	222	846	240	996	217	943	84	716	32	6	0
WIST7088	3222	27	7	34	13	67	33	117	31	161	56	227	58	161	59	236	69	332	92	453	86	491	51	342	11	2	0
WIST7092	3015	16	3	35	9	53	10	98	33	127	34	195	46	150	42	239	38	379	67	487	74	444	37	376	19	2	0
WIST7093	9499	39	15	101	28	148	80	276	77	430	102	618	134	576	127	835	204	1192	205	1340	255	1435	94	1139	33	9	0
WIST7094	8415	46	9	79	16	138	41	259	59	377	81	500	122	480	81	751	126	1000	145	1225	161	1375	71	1210	53	4	0
WIST7095	9715	38	14	79	28	160	50	288	65	446	75	614	98	586	120	803	165	1209	182	1439	220	1516	97	1354	55	5	2
WIST7098	1703	6	1	13	5	29	10	52	16	67	20	109	16	104	19	142	32	202	26	283	41	266	23	204	9	1	1
WIST7103	2570	14	3	19	5	40	13	78	27	107	34	171	33	133	24	202	35	286	42	364	60	465	17	376	17	1	1
WIST7106	1882	2	1	12	2	34	5	48	11	83	11	136	26	140	24	176	26	227	45	248	32	301	15	267	4	2	1
WIST7115	1590	10	2	21	12	47	7	63	13	88	22	119	25	90	22	122	37	166	34	185	22	219	21	215	16	3	8
WIST7120	5544	32	13	65	34	91	70	208	124	321	143	421	174	394	168	460	207	561	193	581	194	581	68	419	9	2	0
WIST7123	2190	10	3	20	11	38	14	66	21	83	18	122	30	102	32	159	54	261	56	304	52	376	22	310	21	1	2
WIST7126	3429	18	7	38	15	63	25	94	29	143	27	208	46	174	55	309	67	384	63	481	79	561	37	481	20	3	0

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Station ID	Total	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	2022
WIST7129	7803	42	16	100	24	164	66	305	76	425	95	551	108	471	112	726	157	940	158	1059	148	1117	59	870	7	2	0
WIST7130	462	3	2	6	2	7	3	18	9	19	10	33	11	23	16	38	8	46	23	54	19	54	6	52	0	0	0
WIST7132	212	1	1	1	1	4	0	6	4	13	7	20	8	9	6	17	10	23	7	24	14	14	8	14	0	0	0
WIST7134	389	2	1	7	1	19	0	14	3	29	8	32	11	21	3	35	7	45	4	50	5	62	2	28	0	0	0
WIST7135	3988	19	1	35	12	60	10	108	31	186	48	248	48	218	52	335	74	467	78	590	102	639	52	550	22	0	1
WIST7137	307	3	0	4	2	3	2	9	5	15	6	20	4	24	13	19	16	34	8	35	7	39	3	33	2	0	0
WIST7138	1565	17	0	23	5	50	5	54	15	106	16	115	31	104	18	114	25	168	25	212	24	242	13	173	6	0	0
WIST7140	5553	20	7	51	14	83	25	124	40	195	53	307	86	270	74	475	87	635	118	858	157	901	71	863	32	3	1
WIST7141	4524	28	9	43	22	84	42	122	51	175	60	240	84	265	81	351	106	482	147	601	148	716	57	576	23	3	1
WIST7142	1786	21	6	27	8	46	18	85	26	95	26	132	56	117	27	172	31	187	32	226	43	200	10	185	5	3	0
WIST7143	3893	25	8	17	10	50	15	77	20	178	24	193	40	192	44	312	70	490	57	645	60	679	33	645	4	4	0
WIST7144	1294	5	4	10	6	15	3	23	5	47	15	60	19	61	12	100	44	130	34	207	51	216	26	180	18	0	1
WIST7145	359	0	2	5	0	8	0	8	6	21	8	23	8	27	5	32	10	31	10	36	14	58	6	36	4	0	0
WIST7146	1313	14	6	14	12	59	22	97	36	111	35	125	38	95	32	102	31	140	37	108	26	83	7	75	2	0	0
WIST7147	2531	17	5	37	13	55	20	81	16	130	26	171	40	184	43	210	50	274	47	334	52	372	20	318	11	1	1
WIST7148	282	2	0	2	2	5	2	7	2	20	3	15	5	14	2	22	8	28	10	37	6	44	3	34	8	0	0
WIST7149	54	1	0	2	1	1	1	0	0	2	0	2	4	4	1	6	6	6	2	5	2	7	1	0	0	0	0
WIST7150	12	0	0	0	1	0	0	1	0	1	1	0	0	3	0	0	2	0	0	0	0	0	0	0	3	0	0
WIST8003	237	5	0	6	7	1	7	4	0	5	2	10	4	0	17	0	139	1	0	0	0	1	0	1	0	0	0
WIST8004	3698	53	22	67	38	154	78	269	126	320	114	358	143	260	136	313	153	335	124	239	94	158	17	114	3	0	0
WIST8008	8256	69	40	156	74	216	115	378	158	519	192	724	259	549	212	655	237	829	256	884	259	825	80	529	19	4	3
WIST8009	1392	5	2	9	8	22	7	37	12	65	20	106	22	58	12	99	31	166	33	211	51	206	16	190	1	1	0
WIST8011	9446	58	14	126	34	200	76	346	87	433	107	601	134	540	119	838	171	988	230	1313	238	1459	95	1192	36	1	0
WIST8016	5090	35	7	77	11	95	19	154	50	244	51	344	59	264	43	411	109	618	115	679	110	797	48	703	37	4	1
WIST8018	1683	8	5	20	8	34	13	65	27	100	30	127	41	100	38	159	33	196	28	223	34	208	23	153	7	0	1
WIST8023	5937	29	13	52	17	109	28	182	55	318	70	360	93	321	111	485	102	678	155	844	147	853	84	770	53	4	0
WIST8026	2085	21	3	24	8	46	21	102	54	135	50	165	65	124	61	205	70	221	71	211	58	206	18	133	0	4	1
WIST8027	966	6	0	12	1	20	11	26	12	48	13	58	19	69	19	75	23	112	25	122	28	136	7	117	6	1	0
WIST8028	3579	30	11	50	11	90	33	137	47	182	75	257	121	222	82	281	88	390	102	411	117	411	37	364	22	5	1
WIST8029	4096	26	6	57	17	80	22	133	33	192	53	298	51	264	55	347	73	480	90	559	104	619	39	466	26	5	0
WIST8030	5413	38	7	64	27	122	35	233	46	340	60	408	95	277	62	481	104	634	104	798	134	737	53	515	32	0	0
WIST8031	565	1	1	5	2	7	3	12	2	17	6	38	12	32	15	30	22	67	23	72	20	90	11	73	4	0	0
WIST8033	4643	52	19	98	39	166	67	252	84	302	106	369	113	279	93	388	126	436	97	460	118	523	42	362	35	4	1
WISTT0010	1060	12	6	20	6	39	13	38	21	70	17	79	20	66	18	80	27	88	15	132	16	158	9	107	3	0	0
WISTT0011	1261	7	7	26	3	32	19	44	16	92	7	102	24	75	16	121	23	137	19	161	32	159	8	120	8	0	1
WISTT0012	1237	21	12	14	8	33	12	50	22	82	28	107	58	91	30	103	30	111	47	109	33	129	14	88	1	1	0
WISTT005	3663	24	3	36	16	52	21	90	26	183	36	222	47	188	48	301	61	431	70	553	92	579	50	495	34	1	0
WISTT009	12207	53	16	121	48	180	69	303	105	504	120	761	191	678	183	998	261	1426	317	1865	367	1868	173	1514	68	5	3
Totals:	731014	4754	1783	8969	3390	15618	6098	26048	8628	38504	10979	50687	14039	42607	12392	61512	16197	80776	18106	96048	19036	101469	7913	80652	3182	554	187

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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	2022
WIST1003	1,296	1	8	2	13	4	26	8	60	10	71	16	80	14	65	12	141	22	167	29	167	30	182	13	147	7	1	0
# Fail	18	0	0	0	0	0	0	0	3	0	3	1	3	0	0	0	3	1	1	0	1	0	2	0	0	0	0	0
% Fail	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.0%	0.0%	4.2%	6.3%	3.8%	0.0%	0.0%	0.0%	2.1%	4.5%	0.6%	0.0%	0.6%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	--
WIST1012	1,041	4	12	1	17	8	23	9	34	10	48	15	75	14	63	18	81	18	133	16	111	29	160	9	127	5	1	0
# Fail	15	1	0	0	1	0	3	0	0	0	1	1	2	1	0	1	2	1	0	0	1	0	0	0	0	0	0	0
% Fail	1.4%	25.0%	0.0%	0.0%	5.9%	0.0%	13.0%	0.0%	0.0%	0.0%	2.1%	6.7%	2.7%	7.1%	0.0%	5.6%	2.5%	5.6%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST1020	722	1	8	4	11	4	22	9	26	4	41	11	49	13	29	17	54	18	69	29	95	24	96	10	76	2	0	0
# Fail	10	0	1	0	1	0	0	0	1	0	1	0	0	0	1	0	2	0	0	1	0	0	1	0	1	0	0	0
% Fail	1.4%	0.0%	12.5%	0.0%	9.1%	0.0%	0.0%	0.0%	3.8%	0.0%	2.4%	0.0%	0.0%	0.0%	3.4%	0.0%	3.7%	0.0%	0.0%	3.4%	0.0%	0.0%	1.0%	0.0%	1.3%	0.0%	--	--
WIST1021	1,310	3	7	2	6	5	21	13	29	14	72	16	72	23	69	22	97	26	133	49	160	37	234	18	171	11	0	0
# Fail	42	0	0	0	0	0	2	2	1	0	8	1	7	3	2	1	2	1	4	1	3	0	3	0	1	0	0	0
% Fail	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	9.5%	15.4%	3.4%	0.0%	11.1%	6.3%	9.7%	13.0%	2.9%	4.5%	2.1%	3.8%	3.0%	2.0%	1.9%	0.0%	1.3%	0.0%	0.6%	0.0%	--	--
WIST1022	1,689	1	11	1	24	3	32	11	59	9	73	14	121	22	100	21	148	25	224	33	229	33	244	22	223	5	1	0
# Fail	35	0	1	0	3	0	2	0	2	0	5	0	2	1	1	0	8	0	4	1	3	0	1	0	1	0	0	0
% Fail	2.1%	0.0%	9.1%	0.0%	12.5%	0.0%	6.3%	0.0%	3.4%	0.0%	6.8%	0.0%	1.7%	4.5%	1.0%	0.0%	5.4%	0.0%	1.8%	3.0%	1.3%	0.0%	0.4%	0.0%	0.4%	0.0%	0.0%	--
WIST1026	11,946	9	48	17	84	40	130	56	250	95	437	155	626	202	636	184	1,005	264	1,355	271	1,795	400	1,947	180	1,668	63	21	8
# Fail	351	0	0	1	11	3	12	12	22	12	22	16	39	15	24	12	41	12	29	3	24	7	24	2	8	0	0	0
% Fail	2.9%	0.0%	0.0%	5.9%	13.1%	7.5%	9.2%	21.4%	8.8%	12.6%	5.0%	10.3%	6.2%	7.4%	3.8%	6.5%	4.1%	4.5%	2.1%	1.1%	1.3%	1.8%	1.2%	1.1%	0.5%	0.0%	0.0%	0.0%
WIST1028	20	0	1	0	2	0	1	0	1	0	0	1	3	0	1	1	1	0	2	0	2	1	2	0	1	0	0	0
# Fail	5	0	0	0	1	0	0	0	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	25.0%	--	0.0%	--	50.0%	--	0.0%	--	100%	--	--	100%	66.7%	--	0.0%	0.0%	0.0%	--	0.0%	--	0.0%	0.0%	0.0%	--	0.0%	--	--	--
WIST1031	525	2	4	2	6	6	15	3	17	10	36	10	42	15	30	12	40	21	48	20	57	12	53	4	55	5	0	0
# Fail	25	0	0	0	0	0	4	0	2	1	5	1	2	1	1	1	0	1	2	1	1	0	2	0	0	0	0	0
% Fail	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	26.7%	0.0%	11.8%	10.0%	13.9%	10.0%	4.8%	6.7%	3.3%	8.3%	0.0%	4.8%	4.2%	5.0%	1.8%	0.0%	3.8%	0.0%	0.0%	0.0%	--	--
WIST1032	11,051	6	65	15	119	41	188	51	363	77	521	106	728	158	675	162	1,006	169	1,297	216	1,591	265	1,684	100	1,378	60	4	6
# Fail	239	1	4	2	10	4	10	5	17	2	27	7	27	5	18	7	21	3	29	2	21	1	11	2	3	0	0	0
% Fail	2.2%	16.7%	6.2%	13.3%	8.4%	9.8%	5.3%	9.8%	4.7%	2.6%	5.2%	6.6%	3.7%	3.2%	2.7%	4.3%	2.1%	1.8%	2.2%	0.9%	1.3%	0.4%	0.7%	2.0%	0.2%	0.0%	0.0%	0.0%
WIST1033	4,276	1	21	10	44	16	55	23	122	31	188	62	276	73	266	63	371	83	513	110	594	115	721	31	456	25	5	1
# Fail	129	0	3	1	2	0	2	3	8	2	14	4	11	3	17	0	17	2	13	5	14	2	5	0	0	1	0	0
% Fail	3.0%	0.0%	14.3%	10.0%	4.5%	0.0%	3.6%	13.0%	6.6%	6.5%	7.4%	6.5%	4.0%	4.1%	6.4%	0.0%	4.6%	2.4%	2.5%	4.5%	2.4%	1.7%	0.7%	0.0%	0.0%	4.0%	0.0%	0.0%
WIST1034	5,137	4	26	6	45	13	77	20	176	46	219	54	346	88	297	78	443	98	574	130	706	125	827	51	650	30	7	1
# Fail	133	0	1	0	4	1	5	2	11	2	9	4	12	9	10	5	15	1	9	4	11	1	16	0	1	0	0	0
% Fail	2.6%	0.0%	3.8%	0.0%	8.9%	7.7%	6.5%	10.0%	6.3%	4.3%	4.1%	7.4%	3.5%	10.2%	3.4%	6.4%	3.4%	1.0%	1.6%	3.1%	1.6%	0.8%	1.9%	0.0%	0.2%	0.0%	0.0%	0.0%
WIST1035	239	0	1	0	2	0	4	1	5	1	16	8	9	4	17	7	22	4	30	3	28	7	37	6	23	4	0	0
# Fail	11	0	0	0	0	0	1	0	0	0	3	0	0	0	1	1	0	0	3	0	1	0	1	0	0	0	0	0
% Fail	4.6%	--	0.0%	--	0.0%	--	25.0%	0.0%	0.0%	0.0%	18.8%	0.0%	0.0%	0.0%	5.9%	14.3%	0.0%	0.0%	10.0%	0.0%	3.6%	0.0%	2.7%	0.0%	0.0%	0.0%	--	--
WIST1036	156	0	1	0	0	0	2	3	7	0	11	3	14	7	6	2	15	3	16	8	18	5	16	2	15	2	0	0
# Fail	3	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
% Fail	1.9%	--	0.0%	--	--	--	0.0%	0.0%	0.0%	--	9.1%	0.0%	7.1%	0.0%	0.0%	0.0%	0.0%	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST1037	19	0	0	0	0	1	1	0	0	1	1	0	1	2	0	2	1	2	1	0	0	0	2	1	1	2	0	0
# Fail	3	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	15.8%	--	--	--	--	0.0%	100%	--	--	0.0%	100%	--	0.0%	50.0%	--	0.0%	0.0%	0.0%	0.0%	--	--	--	0.0%	0.0%	0.0%	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	2022
WIST1038	85	0	0	0	1	0	1	0	0	1	4	1	4	1	4	0	4	5	12	4	14	2	15	2	7	3	0	0
# Fail	3	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
% Fail	3.5%	--	--	--	0.0%	--	0.0%	--	--	100%	25.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	7.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST1039	363	1	3	1	1	1	4	0	8	3	8	8	24	9	14	6	25	12	33	22	32	19	59	21	40	9	0	0
# Fail	15	0	0	0	0	0	1	0	0	0	0	2	3	0	1	0	2	2	2	1	1	0	0	0	0	0	0	0
% Fail	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%	25.0%	--	0.0%	0.0%	0.0%	25.0%	12.5%	0.0%	7.1%	0.0%	8.0%	16.7%	6.1%	4.5%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST2015	3,682	4	25	7	39	15	56	29	101	34	180	46	223	67	210	55	309	96	401	111	490	103	552	64	440	17	5	3
# Fail	73	0	1	0	4	2	6	1	8	2	4	3	6	3	6	1	6	0	3	2	4	2	6	2	1	0	0	0
% Fail	2.0%	0.0%	4.0%	0.0%	10.3%	13.3%	10.7%	3.4%	7.9%	5.9%	2.2%	6.5%	2.7%	4.5%	2.9%	1.8%	1.9%	0.0%	0.7%	1.8%	0.8%	1.9%	1.1%	3.1%	0.2%	0.0%	0.0%	0.0%
WIST2017	5,399	1	34	7	53	16	84	19	122	30	197	28	297	51	304	40	446	106	672	93	905	129	896	42	812	9	5	1
# Fail	109	0	2	1	1	0	6	4	4	4	13	1	10	1	13	1	16	3	6	2	9	2	6	0	4	0	0	0
% Fail	2.0%	0.0%	5.9%	14.3%	1.9%	0.0%	7.1%	21.1%	3.3%	13.3%	6.6%	3.6%	3.4%	2.0%	4.3%	2.5%	3.6%	2.8%	0.9%	2.2%	1.0%	1.6%	0.7%	0.0%	0.5%	0.0%	0.0%	0.0%
WIST2019	1,043	1	10	4	15	8	27	18	50	18	51	20	62	14	65	15	83	18	111	24	125	22	129	8	141	3	1	0
# Fail	33	0	0	1	1	1	1	1	2	0	2	2	2	1	3	2	4	1	3	0	2	0	3	1	0	0	0	0
% Fail	3.2%	0.0%	0.0%	25.0%	6.7%	12.5%	3.7%	5.6%	4.0%	0.0%	3.9%	10.0%	3.2%	7.1%	4.6%	13.3%	4.8%	5.6%	2.7%	0.0%	1.6%	0.0%	2.3%	12.5%	0.0%	0.0%	0.0%	--
WIST2021	1,806	0	17	2	19	5	30	19	65	13	94	20	137	31	113	19	143	36	202	43	244	56	268	18	209	2	1	0
# Fail	33	0	0	1	1	0	3	2	1	1	2	3	4	1	1	0	1	1	6	0	0	2	2	0	1	0	0	0
% Fail	1.8%	--	0.0%	50.0%	5.3%	0.0%	10.0%	10.5%	1.5%	7.7%	2.1%	15.0%	2.9%	3.2%	0.9%	0.0%	0.7%	2.8%	3.0%	0.0%	0.0%	3.6%	0.7%	0.0%	0.5%	0.0%	0.0%	--
WIST2024	3,213	6	8	6	33	8	45	16	77	30	159	43	194	50	200	41	247	52	417	57	430	90	509	45	425	23	1	1
# Fail	70	1	0	0	2	0	1	1	5	0	8	1	6	1	10	1	6	1	10	2	7	1	5	0	1	0	0	0
% Fail	2.2%	16.7%	0.0%	0.0%	6.1%	0.0%	2.2%	6.3%	6.5%	0.0%	5.0%	2.3%	3.1%	2.0%	5.0%	2.4%	2.4%	1.9%	2.4%	3.5%	1.6%	1.1%	1.0%	0.0%	0.2%	0.0%	0.0%	0.0%
WIST2028	3,674	5	25	7	62	14	70	18	117	22	186	38	234	47	210	43	346	53	412	84	548	85	564	43	422	17	2	0
# Fail	84	0	0	0	1	2	12	4	4	2	10	0	10	2	10	0	8	2	4	0	10	0	3	0	0	0	0	0
% Fail	2.3%	0.0%	0.0%	0.0%	1.6%	14.3%	17.1%	22.2%	3.4%	9.1%	5.4%	0.0%	4.3%	4.3%	4.8%	0.0%	2.3%	3.8%	1.0%	0.0%	1.8%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	--
WIST2029	1,175	2	6	5	5	2	22	0	33	11	59	16	79	19	65	25	94	35	127	29	150	50	164	32	143	2	0	0
# Fail	26	0	0	0	0	0	0	0	0	2	2	1	2	1	1	4	4	2	4	1	2	0	0	0	0	0	0	0
% Fail	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	18.2%	3.4%	6.3%	2.5%	5.3%	1.5%	16.0%	4.3%	5.7%	3.1%	3.4%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST2030	1,940	1	7	8	22	18	44	31	76	36	136	51	161	70	110	63	146	70	208	84	185	66	194	26	121	3	2	1
# Fail	143	0	1	0	0	2	7	5	8	5	17	10	19	4	10	4	18	4	10	3	7	1	8	0	0	0	0	0
% Fail	7.4%	0.0%	14.3%	0.0%	0.0%	11.1%	15.9%	16.1%	10.5%	13.9%	12.5%	19.6%	11.8%	5.7%	9.1%	6.3%	12.3%	5.7%	4.8%	3.6%	3.8%	1.5%	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%
WIST2031	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	2	0	1	0	1	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%	--	--	--
WIST2032	525	0	1	1	4	0	5	2	10	2	27	5	22	5	33	7	39	7	64	5	62	16	107	4	92	5	0	0
# Fail	6	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
% Fail	1.1%	--	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	14.8%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	--	--
WIST2035	8,045	12	79	21	94	51	164	64	315	129	498	139	595	203	514	170	695	211	823	225	1,065	235	959	74	689	16	5	0
# Fail	359	1	7	5	8	10	21	16	34	15	37	11	44	20	22	10	29	11	21	9	9	4	7	1	7	0	0	0
% Fail	4.5%	8.3%	8.9%	23.8%	8.5%	19.6%	12.8%	25.0%	10.8%	11.6%	7.4%	7.9%	7.4%	9.9%	4.3%	5.9%	4.2%	5.2%	2.6%	4.0%	0.8%	1.7%	0.7%	1.4%	1.0%	0.0%	0.0%	--
WIST2039	2,995	1	15	10	40	23	70	36	111	53	196	88	255	109	205	89	259	111	286	120	307	90	286	35	189	7	2	2
# Fail	206	1	6	0	7	3	11	4	15	8	20	10	17	13	15	9	21	7	9	6	7	4	9	1	3	0	0	0
% Fail	6.9%	100%	40.0%	0.0%	17.5%	13.0%	15.7%	11.1%	13.5%	15.1%	10.2%	11.4%	6.7%	11.9%	7.3%	10.1%	8.1%	6.3%	3.1%	5.0%	2.3%	4.4%	3.1%	2.9%	1.6%	0.0%	0.0%	0.0%
WIST2040	230	0	2	1	2	0	7	0	7	3	11	4	12	7	12	6	17	6	21	7	41	7	33	3	20	1	0	0
# Fail	5	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
% Fail	2.2%	--	0.0%	0.0%	0.0%	--	0.0%	--	0.0%	33.3%	0.0%	0.0%	8.3%	0.0%	8.3%	0.0%	5.9%	0.0%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	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	2022
WIST2041	3,311	3	10	4	22	12	41	18	83	27	129	28	175	39	162	55	264	79	379	70	480	110	527	52	518	21	3	0
# Fail	73	0	0	0	0	2	1	1	12	1	13	2	4	2	4	0	7	2	4	4	8	0	1	1	4	0	0	0
% Fail	2.2%	0.0%	0.0%	0.0%	0.0%	16.7%	2.4%	5.6%	14.5%	3.7%	10.1%	7.1%	2.3%	5.1%	2.5%	0.0%	2.7%	2.5%	1.1%	5.7%	1.7%	0.0%	0.2%	1.9%	0.8%	0.0%	0.0%	--
WIST2042	751	1	8	3	20	5	21	6	26	11	43	12	63	10	46	16	50	14	86	24	94	15	84	6	83	4	0	0
# Fail	15	0	1	0	2	0	0	1	1	0	2	1	1	0	0	1	1	0	1	0	3	0	0	0	0	0	0	0
% Fail	2.0%	0.0%	12.5%	0.0%	10.0%	0.0%	0.0%	16.7%	3.8%	0.0%	4.7%	8.3%	1.6%	0.0%	0.0%	6.3%	2.0%	0.0%	1.2%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST2043	968	3	11	1	14	3	19	6	36	9	49	12	67	12	45	15	86	23	107	23	125	30	140	4	115	9	4	0
# Fail	26	0	0	0	1	1	0	0	2	2	3	0	6	0	0	0	1	0	1	0	3	0	6	0	0	0	0	0
% Fail	2.7%	0.0%	0.0%	0.0%	7.1%	33.3%	0.0%	0.0%	5.6%	22.2%	6.1%	0.0%	9.0%	0.0%	0.0%	0.0%	1.2%	0.0%	0.9%	0.0%	2.4%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	--
WIST2044	675	3	4	2	6	4	17	5	33	9	39	9	43	18	38	20	57	23	76	38	65	19	76	6	60	4	1	0
# Fail	32	1	2	1	2	0	2	0	2	0	7	0	5	0	1	1	1	2	1	2	2	0	0	0	0	0	0	0
% Fail	4.7%	33.3%	50.0%	50.0%	33.3%	0.0%	11.8%	0.0%	6.1%	0.0%	17.9%	0.0%	11.6%	0.0%	2.6%	5.0%	1.8%	8.7%	1.3%	5.3%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST2045	605	0	6	3	8	13	15	10	31	13	20	14	39	20	20	18	44	22	55	19	59	15	71	7	76	7	0	0
# Fail	54	0	0	0	3	4	4	1	7	3	4	2	4	0	3	1	1	1	7	2	0	1	4	0	2	0	0	0
% Fail	8.9%	--	0.0%	0.0%	37.5%	30.8%	26.7%	10.0%	22.6%	23.1%	20.0%	14.3%	10.3%	0.0%	15.0%	5.6%	2.3%	4.5%	12.7%	10.5%	0.0%	6.7%	5.6%	0.0%	2.6%	0.0%	--	--
WIST2046	650	0	3	4	5	1	13	3	21	7	30	10	38	9	23	9	58	10	61	13	96	20	106	12	85	12	1	0
# Fail	13	0	1	0	0	0	1	0	1	0	1	0	3	1	0	0	1	0	1	0	1	1	0	0	1	0	0	0
% Fail	2.0%	--	33.3%	0.0%	0.0%	0.0%	7.7%	0.0%	4.8%	0.0%	3.3%	0.0%	7.9%	11.1%	0.0%	0.0%	1.7%	0.0%	1.6%	0.0%	1.0%	5.0%	0.0%	0.0%	1.2%	0.0%	0.0%	--
WIST2048	144	0	0	1	2	0	4	2	0	2	5	5	8	7	6	7	7	6	7	7	12	10	11	11	17	7	0	0
# Fail	7	0	0	0	0	0	1	1	0	0	1	0	0	0	1	0	1	1	0	0	0	0	0	0	1	0	0	0
% Fail	4.9%	--	--	0.0%	0.0%	--	25.0%	50.0%	--	0.0%	20.0%	0.0%	0.0%	0.0%	16.7%	0.0%	14.3%	16.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.9%	0.0%	--	--
WIST3003	1,235	0	6	3	27	10	37	9	59	17	59	19	103	20	65	17	96	24	120	26	144	30	178	10	152	3	1	0
# Fail	52	0	1	0	3	1	5	1	5	2	5	2	7	2	1	1	6	3	3	1	0	0	3	0	0	0	0	0
% Fail	4.2%	--	16.7%	0.0%	11.1%	10.0%	13.5%	11.1%	8.5%	11.8%	8.5%	10.5%	6.8%	10.0%	1.5%	5.9%	6.3%	12.5%	2.5%	3.8%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	--
WIST3006	2,555	3	14	6	35	9	43	13	96	22	136	21	179	31	162	34	216	40	297	47	376	50	386	21	317	1	0	0
# Fail	47	0	0	0	1	0	1	2	2	1	3	1	7	1	4	1	6	1	4	2	5	0	2	0	3	0	0	0
% Fail	1.8%	0.0%	0.0%	0.0%	2.9%	0.0%	2.3%	15.4%	2.1%	4.5%	2.2%	4.8%	3.9%	3.2%	2.5%	2.9%	2.8%	2.5%	1.3%	4.3%	1.3%	0.0%	0.5%	0.0%	0.9%	0.0%	--	--
WIST3013	5,407	9	29	12	48	30	74	52	173	86	256	101	361	143	306	106	465	165	619	191	631	179	716	84	528	24	11	8
# Fail	223	3	1	2	2	2	11	10	18	11	15	16	21	8	14	7	20	9	13	6	16	4	11	1	2	0	0	0
% Fail	4.1%	33.3%	3.4%	16.7%	4.2%	6.7%	14.9%	19.2%	10.4%	12.8%	5.9%	15.8%	5.8%	5.6%	4.6%	6.6%	4.3%	5.5%	2.1%	3.1%	2.5%	2.2%	1.5%	1.2%	0.4%	0.0%	0.0%	0.0%
WIST3014	162	2	0	0	4	1	3	5	9	1	8	5	13	7	12	6	12	5	19	13	13	3	11	0	8	2	0	0
# Fail	26	0	0	0	0	0	1	2	3	0	2	1	3	4	2	1	0	1	3	0	2	0	1	0	0	0	0	0
% Fail	16.0%	0.0%	--	--	0.0%	0.0%	33.3%	40.0%	33.3%	0.0%	25.0%	20.0%	23.1%	57.1%	16.7%	16.7%	0.0%	20.0%	15.8%	0.0%	15.4%	0.0%	9.1%	--	0.0%	0.0%	--	--
WIST3015	722	1	2	1	10	3	13	10	21	6	35	11	64	16	46	6	86	12	99	18	96	11	83	7	65	0	0	0
# Fail	10	0	0	0	0	0	1	1	0	1	0	0	5	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
% Fail	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%	10.0%	0.0%	16.7%	0.0%	0.0%	7.8%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST3021	2,812	2	17	5	38	8	54	19	109	21	145	31	178	48	152	47	246	63	358	83	379	61	399	27	312	7	2	1
# Fail	72	0	2	0	2	0	1	1	6	1	11	3	10	3	5	1	7	2	8	0	7	0	2	0	0	0	0	0
% Fail	2.6%	0.0%	11.8%	0.0%	5.3%	0.0%	1.9%	5.3%	5.5%	4.8%	7.6%	9.7%	5.6%	6.3%	3.3%	2.1%	2.8%	3.2%	2.2%	0.0%	1.8%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
WIST3022	132	0	1	2	1	3	4	3	4	5	8	2	17	7	10	2	16	0	13	3	7	2	4	13	4	1	0	0
# Fail	4	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
% Fail	3.0%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	20.0%	0.0%	0.0%	11.8%	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	14.3%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST3024	9,545	15	73	29	134	51	171	81	345	130	577	139	722	204	649	198	819	224	1,077	266	1,218	210	1,179	87	917	17	8	5
# Fail	397	0	8	6	16	1	14	15	24	14	42	17	49	15	35	14	33	13	26	4	21	6	16	0	7	1	0	0
% Fail	4.2%	0.0%	11.0%	20.7%	11.9%	2.0%	8.2%	18.5%	7.0%	10.8%	7.3%	12.2%	6.8%	7.4%	5.4%	7.1%	4.0%	5.8%	2.4%	1.5%	1.7%	2.9%	1.4%	0.0%	0.8%	5.9%	0.0%	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	2022
WIST3030	1,857	0	7	3	13	4	32	11	49	15	72	8	98	30	80	27	138	41	216	45	306	61	336	14	234	15	1	1
# Fail	58	0	1	0	1	1	1	0	8	1	6	1	3	1	5	2	7	0	6	2	7	1	2	0	2	0	0	0
% Fail	3.1%	--	14.3%	0.0%	7.7%	25.0%	3.1%	0.0%	16.3%	6.7%	8.3%	12.5%	3.1%	3.3%	6.3%	7.4%	5.1%	0.0%	2.8%	4.4%	2.3%	1.6%	0.6%	0.0%	0.9%	0.0%	0.0%	0.0%
WIST3032	1,086	2	11	2	9	7	23	7	27	5	55	10	86	19	50	10	94	25	133	28	139	25	162	15	134	7	0	1
# Fail	23	0	0	0	1	0	1	0	2	0	4	0	4	1	3	1	2	0	2	0	1	0	1	0	0	0	0	0
% Fail	2.1%	0.0%	0.0%	0.0%	11.1%	0.0%	4.3%	0.0%	7.4%	0.0%	7.3%	0.0%	4.7%	5.3%	6.0%	10.0%	2.1%	0.0%	1.5%	0.0%	0.7%	0.0%	0.6%	0.0%	0.0%	0.0%	--	0.0%
WIST3034	1,857	1	7	1	11	2	20	6	44	16	67	15	83	20	88	22	153	37	230	36	315	47	331	17	284	3	1	0
# Fail	39	0	0	0	0	0	4	0	5	2	2	1	2	2	5	2	3	2	3	0	5	1	0	0	0	0	0	0
% Fail	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	20.0%	0.0%	11.4%	12.5%	3.0%	6.7%	2.4%	10.0%	5.7%	9.1%	2.0%	5.4%	1.3%	0.0%	1.6%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST3035	1,053	0	7	0	6	4	15	4	38	8	56	12	54	9	62	17	81	16	127	22	168	21	167	10	141	7	1	0
# Fail	14	0	0	0	0	0	1	0	2	0	1	1	2	0	0	0	1	0	3	0	2	0	1	0	0	0	0	0
% Fail	1.3%	--	0.0%	--	0.0%	0.0%	6.7%	0.0%	5.3%	0.0%	1.8%	8.3%	3.7%	0.0%	0.0%	0.0%	1.2%	0.0%	2.4%	0.0%	1.2%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	--
WIST3039	4,323	2	32	3	56	15	74	26	137	45	226	40	280	39	274	64	385	71	486	92	588	93	648	49	556	35	7	0
# Fail	85	1	1	0	6	1	3	0	8	2	10	3	9	3	5	1	7	1	8	4	4	1	6	0	1	0	0	0
% Fail	2.0%	50.0%	3.1%	0.0%	10.7%	6.7%	4.1%	0.0%	5.8%	4.4%	4.4%	7.5%	3.2%	7.7%	1.8%	1.6%	1.8%	1.4%	1.6%	4.3%	0.7%	1.1%	0.9%	0.0%	0.2%	0.0%	0.0%	--
WIST3040	5,055	3	27	17	44	20	74	41	164	58	251	66	340	98	287	92	463	115	548	102	714	121	726	69	587	25	1	2
# Fail	135	0	3	2	5	1	7	3	9	1	19	2	13	7	14	4	16	3	9	3	8	2	4	0	0	0	0	0
% Fail	2.7%	0.0%	11.1%	11.8%	11.4%	5.0%	9.5%	7.3%	5.5%	1.7%	7.6%	3.0%	3.8%	7.1%	4.9%	4.3%	3.5%	2.6%	1.6%	2.9%	1.1%	1.7%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
WIST3041	2,155	1	15	3	25	9	38	6	62	16	76	35	141	34	112	28	162	33	272	80	322	87	307	21	246	23	1	0
# Fail	45	0	0	0	2	0	3	1	2	1	2	1	7	1	7	1	1	0	5	2	5	0	3	0	1	0	0	0
% Fail	2.1%	0.0%	0.0%	0.0%	8.0%	0.0%	7.9%	16.7%	3.2%	6.3%	2.6%	2.9%	5.0%	2.9%	6.3%	3.6%	0.6%	0.0%	1.8%	2.5%	1.6%	0.0%	1.0%	0.0%	0.4%	0.0%	0.0%	--
WIST3043	1,180	0	3	7	13	5	25	11	38	21	60	29	91	21	75	21	104	20	132	40	132	38	163	7	120	2	1	1
# Fail	72	0	0	1	1	1	5	2	2	2	11	3	11	2	3	1	4	3	7	4	3	0	5	0	1	0	0	0
% Fail	6.1%	--	0.0%	14.3%	7.7%	20.0%	20.0%	18.2%	5.3%	9.5%	18.3%	10.3%	12.1%	9.5%	4.0%	4.8%	3.8%	15.0%	5.3%	10.0%	2.3%	0.0%	3.1%	0.0%	0.8%	0.0%	0.0%	0.0%
WIST3044	71	1	1	0	1	1	2	1	5	0	6	1	3	2	4	0	2	1	7	0	13	3	9	0	6	2	0	0
# Fail	12	0	0	0	0	0	1	1	1	0	3	0	0	0	0	0	1	0	2	0	2	0	1	0	0	0	0	0
% Fail	16.9%	0.0%	0.0%	--	0.0%	0.0%	50.0%	100%	20.0%	--	50.0%	0.0%	0.0%	0.0%	0.0%	--	50.0%	0.0%	28.6%	--	15.4%	0.0%	11.1%	--	0.0%	0.0%	--	--
WIST3045	419	0	2	2	7	0	9	1	12	3	15	4	25	9	22	7	33	6	48	16	52	15	67	7	49	8	0	0
# Fail	7	0	1	0	0	0	0	0	1	0	0	0	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
% Fail	1.7%	--	50.0%	0.0%	0.0%	--	0.0%	0.0%	8.3%	0.0%	0.0%	0.0%	8.0%	0.0%	0.0%	0.0%	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST3049	89	0	1	0	0	0	3	3	4	2	6	1	4	2	3	1	10	4	13	0	14	2	6	4	4	2	0	0
# Fail	9	0	0	0	0	0	0	0	2	1	1	0	0	1	0	0	2	0	0	0	1	0	1	0	0	0	0	0
% Fail	10.1%	--	0.0%	--	--	--	0.0%	0.0%	50.0%	50.0%	16.7%	0.0%	0.0%	50.0%	0.0%	0.0%	20.0%	0.0%	0.0%	--	7.1%	0.0%	16.7%	0.0%	0.0%	0.0%	--	--
WIST4002	1,744	3	13	5	13	12	37	11	56	9	56	24	87	24	88	15	163	40	198	43	261	34	288	14	235	12	1	2
# Fail	38	0	1	0	0	0	2	1	2	0	2	0	4	3	3	1	2	0	2	3	5	0	5	1	1	0	0	0
% Fail	2.2%	0.0%	7.7%	0.0%	0.0%	0.0%	5.4%	9.1%	3.6%	0.0%	3.6%	0.0%	4.6%	12.5%	3.4%	6.7%	1.2%	0.0%	1.0%	7.0%	1.9%	0.0%	1.7%	7.1%	0.4%	0.0%	0.0%	0.0%
WIST4003	10,868	14	56	25	110	42	179	70	337	104	456	149	671	204	640	189	936	262	1,274	270	1,495	316	1,618	153	1,245	43	4	6
# Fail	281	2	2	2	9	5	16	5	30	10	22	8	31	13	21	5	19	9	20	4	21	8	11	1	7	0	0	0
% Fail	2.6%	14.3%	3.6%	8.0%	8.2%	11.9%	8.9%	7.1%	8.9%	9.6%	4.8%	5.4%	4.6%	6.4%	3.3%	2.6%	2.0%	3.4%	1.6%	1.5%	1.4%	2.5%	0.7%	0.7%	0.6%	0.0%	0.0%	0.0%
WIST4014	1,178	1	8	3	24	4	32	12	52	13	68	10	90	13	66	14	97	17	120	27	136	21	175	7	156	12	0	0
# Fail	27	0	0	0	1	0	3	1	2	1	1	0	3	0	3	1	2	0	4	1	2	0	2	0	0	0	0	0
% Fail	2.3%	0.0%	0.0%	0.0%	4.2%	0.0%	9.4%	8.3%	3.8%	7.7%	1.5%	0.0%	3.3%	0.0%	4.5%	7.1%	2.1%	0.0%	3.3%	3.7%	1.5%	0.0%	1.1%	0.0%	0.0%	0.0%	--	--
WIST4026	4,771	4	22	9	18	11	47	19	69	24	146	44	221	61	229	63	386	97	598	111	724	152	794	82	669	100	50	20
# Fail	79	0	0	0	3	0	3	3	5	3	8	6	4	3	8	4	7	0	8	3	6	1	2	0	2	0	0	0
% Fail	1.7%	0.0%	0.0%	0.0%	16.7%	0.0%	6.4%	15.8%	7.2%	12.5%	5.5%	13.6%	1.8%	4.9%	3.5%	6.3%	1.8%	0.0%	1.3%	2.7%	0.8%	0.7%	0.3%	0.0%	0.3%	0.0%	0.0%	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	2022
WIST4031	11,889	23	115	41	217	74	284	140	491	206	748	255	913	283	707	237	972	299	1,233	349	1,417	334	1,443	129	945	23	11	0
# Fail	516	2	11	4	22	11	22	22	45	24	60	23	51	35	34	16	34	11	31	6	19	11	17	1	4	0	0	0
% Fail	4.3%	8.7%	9.6%	9.8%	10.1%	14.9%	7.7%	15.7%	9.2%	11.7%	8.0%	9.0%	5.6%	12.4%	4.8%	6.8%	3.5%	3.7%	2.5%	1.7%	1.3%	3.3%	1.2%	0.8%	0.4%	0.0%	0.0%	--
WIST4032	7,599	25	69	39	137	68	203	138	308	176	488	253	656	339	421	242	583	256	694	241	732	245	730	82	454	12	5	3
# Fail	768	4	9	7	24	21	39	34	48	45	88	46	96	46	48	28	47	19	48	7	20	10	24	4	6	0	0	0
% Fail	10.1%	16.0%	13.0%	17.9%	17.5%	30.9%	19.2%	24.6%	15.6%	25.6%	18.0%	18.2%	14.6%	13.6%	11.4%	11.6%	8.1%	7.4%	6.9%	2.9%	2.7%	4.1%	3.3%	4.9%	1.3%	0.0%	0.0%	0.0%
WIST4040	4,293	5	25	11	66	27	90	29	146	51	255	61	301	83	246	83	376	78	465	107	541	101	597	41	490	9	7	2
# Fail	98	2	4	2	4	4	6	3	7	1	12	2	12	4	6	2	7	4	4	1	6	2	3	0	0	0	0	0
% Fail	2.3%	40.0%	16.0%	18.2%	6.1%	14.8%	6.7%	10.3%	4.8%	2.0%	4.7%	3.3%	4.0%	4.8%	2.4%	2.4%	1.9%	5.1%	0.9%	0.9%	1.1%	2.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
WIST4042	3,240	2	30	11	56	15	82	32	126	45	191	40	277	84	233	55	266	71	360	98	366	80	386	40	282	7	4	1
# Fail	127	0	2	0	5	3	7	2	10	4	17	4	16	7	10	2	8	5	8	4	9	0	4	0	0	0	0	0
% Fail	3.9%	0.0%	6.7%	0.0%	8.9%	20.0%	8.5%	6.3%	7.9%	8.9%	8.9%	10.0%	5.8%	8.3%	4.3%	3.6%	3.0%	7.0%	2.2%	4.1%	2.5%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%
WIST4045	2,942	4	23	4	41	16	50	20	105	24	150	22	190	37	155	39	256	57	362	68	394	84	470	26	332	13	0	0
# Fail	68	0	0	0	3	0	4	2	3	2	8	1	8	4	5	4	7	1	5	0	4	2	3	0	2	0	0	0
% Fail	2.3%	0.0%	0.0%	0.0%	7.3%	0.0%	8.0%	10.0%	2.9%	8.3%	5.3%	4.5%	4.2%	10.8%	3.2%	10.3%	2.7%	1.8%	1.4%	0.0%	1.0%	2.4%	0.6%	0.0%	0.6%	0.0%	--	--
WIST4048	1,584	2	6	4	10	7	24	18	50	20	84	9	117	26	93	26	147	28	184	35	215	48	231	20	178	1	1	0
# Fail	41	0	0	0	0	0	3	1	5	3	7	0	5	0	0	3	2	0	4	1	3	1	2	0	1	0	0	0
% Fail	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%	5.6%	10.0%	15.0%	8.3%	0.0%	4.3%	0.0%	0.0%	11.5%	1.4%	0.0%	2.2%	2.9%	1.4%	2.1%	0.9%	0.0%	0.6%	0.0%	0.0%	--
WIST4049	136	0	1	0	2	1	1	0	4	1	7	1	11	1	6	3	17	4	12	5	11	7	22	3	16	0	0	0
# Fail	3	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	2.2%	--	0.0%	--	0.0%	100%	100%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST4050	9,227	7	35	11	82	16	117	43	229	45	289	84	495	100	493	115	733	128	1,050	169	1,493	228	1,603	121	1,469	62	8	2
# Fail	168	0	2	0	5	1	7	9	9	2	14	5	14	6	26	4	12	2	13	1	18	1	11	0	6	0	0	0
% Fail	1.8%	0.0%	5.7%	0.0%	6.1%	6.3%	6.0%	20.9%	3.9%	4.4%	4.8%	6.0%	2.8%	6.0%	5.3%	3.5%	1.6%	1.6%	1.2%	0.6%	1.2%	0.4%	0.7%	0.0%	0.4%	0.0%	0.0%	0.0%
WIST4051	3,567	8	40	10	43	32	80	29	112	43	211	54	246	60	185	51	292	70	358	65	481	106	506	30	435	18	2	0
# Fail	100	0	4	1	1	6	7	1	6	1	9	1	14	3	10	2	10	4	3	3	6	3	3	1	1	0	0	0
% Fail	2.8%	0.0%	10.0%	10.0%	2.3%	18.8%	8.8%	3.4%	5.4%	2.3%	4.3%	1.9%	5.7%	5.0%	5.4%	3.9%	3.4%	5.7%	0.8%	4.6%	1.2%	2.8%	0.6%	3.3%	0.2%	0.0%	0.0%	--
WIST4053	507	1	9	0	15	2	19	8	32	6	36	8	39	15	31	11	42	8	43	9	60	10	50	8	44	0	1	0
# Fail	23	0	3	0	0	1	1	0	3	0	3	0	3	1	0	0	4	0	0	0	1	0	3	0	0	0	0	0
% Fail	4.5%	0.0%	33.3%	--	0.0%	50.0%	5.3%	0.0%	9.4%	0.0%	8.3%	0.0%	7.7%	6.7%	0.0%	0.0%	9.5%	0.0%	0.0%	0.0%	1.7%	0.0%	6.0%	0.0%	0.0%	--	0.0%	--
WIST4054	4,154	3	33	13	65	23	102	31	128	53	219	66	326	55	233	64	347	88	468	93	546	88	582	38	464	23	2	1
# Fail	158	0	2	1	7	3	11	7	8	6	18	5	18	7	11	4	12	2	11	0	15	2	6	0	2	0	0	0
% Fail	3.8%	0.0%	6.1%	7.7%	10.8%	13.0%	10.8%	22.6%	6.3%	11.3%	8.2%	7.6%	5.5%	12.7%	4.7%	6.3%	3.5%	2.3%	2.4%	0.0%	2.7%	2.3%	1.0%	0.0%	0.4%	0.0%	0.0%	0.0%
WIST4057	1,610	1	8	2	29	3	31	11	71	20	68	21	100	26	109	30	148	29	207	37	213	36	212	19	178	0	0	1
# Fail	36	0	1	0	0	0	1	1	5	1	5	2	4	3	3	0	3	2	3	0	1	0	0	0	1	0	0	0
% Fail	2.2%	0.0%	12.5%	0.0%	0.0%	0.0%	3.2%	9.1%	7.0%	5.0%	7.4%	9.5%	4.0%	11.5%	2.8%	0.0%	2.0%	6.9%	1.4%	0.0%	0.5%	0.0%	0.0%	0.0%	0.6%	--	--	0.0%
WIST4060	309	1	2	1	8	1	7	5	4	3	10	7	24	6	16	3	21	5	39	5	43	7	52	2	33	4	0	0
# Fail	11	0	0	1	1	0	2	1	0	0	0	0	2	0	1	0	1	0	0	0	2	0	0	0	0	0	0	0
% Fail	3.6%	0.0%	0.0%	100%	12.5%	0.0%	28.6%	20.0%	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%	6.3%	0.0%	4.8%	0.0%	0.0%	0.0%	4.7%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST4061	3,183	2	13	1	24	4	50	3	75	19	125	18	179	31	146	38	258	40	434	63	481	79	587	34	456	21	0	2
# Fail	65	0	0	0	1	1	3	1	9	1	5	3	7	1	4	1	8	1	8	2	4	0	4	0	1	0	0	0
% Fail	2.0%	0.0%	0.0%	0.0%	4.2%	25.0%	6.0%	33.3%	12.0%	5.3%	4.0%	16.7%	3.9%	3.2%	2.7%	2.6%	3.1%	2.5%	1.8%	3.2%	0.8%	0.0%	0.7%	0.0%	0.2%	0.0%	--	0.0%
WIST4062	3,669	4	20	12	22	15	64	52	125	68	188	104	288	160	233	109	282	162	351	147	420	110	407	47	264	10	5	0
# Fail	403	0	3	3	2	3	19	17	32	15	34	29	43	32	22	17	23	18	26	19	25	7	7	2	4	0	1	0
% Fail	11.0%	0.0%	15.0%	25.0%	9.1%	20.0%	29.7%	32.7%	25.6%	22.1%	18.1%	27.9%	14.9%	20.0%	9.4%	15.6%	8.2%	11.1%	7.4%	12.9%	6.0%	6.4%	1.7%	4.3%	1.5%	0.0%	20.0%	--

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	2022
WIST4063	524	1	4	2	6	1	14	3	21	5	30	5	39	7	34	7	49	10	63	18	64	12	66	3	58	2	0	0
# Fail	9	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	2	0	3	0	0	0	0	0	0	0	0	0
% Fail	1.7%	0.0%	0.0%	50.0%	0.0%	0.0%	7.1%	0.0%	4.8%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	4.1%	0.0%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST4064	1,038	1	2	0	4	2	12	4	22	7	42	7	52	11	38	11	86	12	145	35	156	27	189	15	158	0	0	0
# Fail	18	1	0	0	1	0	0	1	3	0	2	0	2	0	0	0	1	0	1	1	1	0	1	0	3	0	0	0
% Fail	1.7%	100%	0.0%	--	25.0%	0.0%	0.0%	25.0%	13.6%	0.0%	4.8%	0.0%	3.8%	0.0%	0.0%	0.0%	1.2%	0.0%	0.7%	2.9%	0.6%	0.0%	0.5%	0.0%	1.9%	--	--	--
WIST4068	1,912	0	6	3	14	4	15	5	36	13	51	21	105	16	102	23	160	35	220	38	299	43	315	24	347	15	1	1
# Fail	24	0	0	0	1	1	2	0	2	0	0	0	5	0	3	0	2	0	2	0	2	1	1	0	2	0	0	0
% Fail	1.3%	--	0.0%	0.0%	7.1%	25.0%	13.3%	0.0%	5.6%	0.0%	0.0%	0.0%	4.8%	0.0%	2.9%	0.0%	1.3%	0.0%	0.9%	0.0%	0.7%	2.3%	0.3%	0.0%	0.6%	0.0%	0.0%	0.0%
WIST4070	96	0	1	1	3	1	2	2	6	0	3	2	11	4	9	0	6	2	8	3	14	3	7	1	7	0	0	0
# Fail	18	0	0	1	0	1	0	1	3	0	2	1	2	0	2	0	1	0	1	0	2	0	0	0	1	0	0	0
% Fail	18.8%	--	0.0%	100%	0.0%	100%	0.0%	50.0%	50.0%	--	66.7%	50.0%	18.2%	0.0%	22.2%	--	16.7%	0.0%	12.5%	0.0%	14.3%	0.0%	0.0%	0.0%	14.3%	--	--	--
WIST4071	246	0	2	0	4	2	3	0	7	2	11	1	14	2	10	7	22	8	21	7	29	14	37	3	40	0	0	0
# Fail	6	0	2	0	0	0	0	0	0	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	2.4%	--	100%	--	0.0%	0.0%	0.0%	--	0.0%	50.0%	18.2%	0.0%	7.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST4072	1,484	4	11	2	24	14	37	27	85	29	113	40	154	50	105	42	129	57	139	48	136	41	113	11	71	2	0	0
# Fail	61	1	1	0	2	3	7	2	6	3	9	3	6	1	1	1	5	0	3	1	3	1	1	0	1	0	0	0
% Fail	4.1%	25.0%	9.1%	0.0%	8.3%	21.4%	18.9%	7.4%	7.1%	10.3%	8.0%	7.5%	3.9%	2.0%	1.0%	2.4%	3.9%	0.0%	2.2%	2.1%	2.2%	2.4%	0.9%	0.0%	1.4%	0.0%	--	--
WIST5003	991	1	4	2	5	2	12	0	22	14	41	13	43	19	40	12	58	23	102	40	152	40	167	21	152	5	1	0
# Fail	24	1	0	0	0	1	1	0	2	1	5	2	0	0	3	1	0	2	2	1	1	1	0	0	0	0	0	0
% Fail	2.4%	100%	0.0%	0.0%	0.0%	50.0%	8.3%	--	9.1%	7.1%	12.2%	15.4%	0.0%	0.0%	7.5%	8.3%	0.0%	8.7%	2.0%	2.5%	0.7%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST5005	1,515	0	24	7	30	10	48	17	94	21	86	30	135	21	108	22	130	22	134	30	194	28	173	13	130	6	2	0
# Fail	41	0	0	0	0	0	6	0	4	2	3	4	4	2	2	1	3	2	1	1	5	0	1	0	0	0	0	0
% Fail	2.7%	--	0.0%	0.0%	0.0%	0.0%	12.5%	0.0%	4.3%	9.5%	3.5%	13.3%	3.0%	9.5%	1.9%	4.5%	2.3%	9.1%	0.7%	3.3%	2.6%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	--
WIST5008	6,726	3	43	19	91	25	136	33	235	63	360	67	432	79	365	85	589	119	804	159	950	148	1,061	71	755	28	4	2
# Fail	163	0	0	0	3	1	9	3	21	4	16	4	26	5	7	4	12	2	17	4	14	2	7	0	2	0	0	0
% Fail	2.4%	0.0%	0.0%	0.0%	3.3%	4.0%	6.6%	9.1%	8.9%	6.3%	4.4%	6.0%	6.0%	6.3%	1.9%	4.7%	2.0%	1.7%	2.1%	2.5%	1.5%	1.4%	0.7%	0.0%	0.3%	0.0%	0.0%	0.0%
WIST5015	4,790	6	43	19	87	27	119	61	193	80	263	85	345	103	283	70	427	104	524	115	600	139	607	43	425	20	2	0
# Fail	182	0	3	2	4	2	9	10	17	9	13	8	23	14	10	3	17	1	12	2	10	3	7	2	1	0	0	0
% Fail	3.8%	0.0%	7.0%	10.5%	4.6%	7.4%	7.6%	16.4%	8.8%	11.3%	4.9%	9.4%	6.7%	13.6%	3.5%	4.3%	4.0%	1.0%	2.3%	1.7%	1.7%	2.2%	1.2%	4.7%	0.2%	0.0%	0.0%	--
WIST5017	3,304	3	19	7	38	11	77	16	136	21	168	31	248	59	215	48	298	70	394	68	453	74	475	16	357	2	0	0
# Fail	117	0	0	2	4	1	11	0	10	3	12	1	14	5	14	2	13	3	11	2	3	2	2	1	1	0	0	0
% Fail	3.5%	0.0%	0.0%	28.6%	10.5%	9.1%	14.3%	0.0%	7.4%	14.3%	7.1%	3.2%	5.6%	8.5%	6.5%	4.2%	4.4%	4.3%	2.8%	2.9%	0.7%	2.7%	0.4%	6.3%	0.3%	0.0%	--	--
WIST5023	2,301	0	5	7	14	1	39	11	78	19	85	27	129	38	134	23	213	33	228	44	312	62	400	25	352	22	0	0
# Fail	53	0	0	1	0	0	4	1	7	2	4	2	3	1	6	1	5	1	5	3	5	0	1	0	1	0	0	0
% Fail	2.3%	--	0.0%	14.3%	0.0%	0.0%	10.3%	9.1%	9.0%	10.5%	4.7%	7.4%	2.3%	2.6%	4.5%	4.3%	2.3%	3.0%	2.2%	6.8%	1.6%	0.0%	0.3%	0.0%	0.3%	0.0%	--	--
WIST5029	5,641	7	25	8	45	19	74	27	139	40	215	43	316	81	260	74	451	90	533	134	806	167	960	70	1,011	34	8	4
# Fail	102	0	4	0	2	1	6	1	11	2	16	2	12	2	11	0	5	3	5	2	9	4	2	1	0	1	0	0
% Fail	1.8%	0.0%	16.0%	0.0%	4.4%	5.3%	8.1%	3.7%	7.9%	5.0%	7.4%	4.7%	3.8%	2.5%	4.2%	0.0%	1.1%	3.3%	0.9%	1.5%	1.1%	2.4%	0.2%	1.4%	0.0%	2.9%	0.0%	0.0%
WIST5044	1,109	1	2	1	5	1	5	2	26	7	27	17	46	14	54	21	70	22	117	32	195	52	203	23	152	10	4	0
# Fail	29	0	1	0	0	0	0	0	1	1	3	2	3	1	1	2	2	0	3	0	2	1	5	0	1	0	0	0
% Fail	2.6%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%	14.3%	11.1%	11.8%	6.5%	7.1%	1.9%	9.5%	2.9%	0.0%	2.6%	0.0%	1.0%	1.9%	2.5%	0.0%	0.7%	0.0%	0.0%	--
WIST5045	198	1	0	1	2	0	4	1	7	0	7	2	18	2	13	2	21	5	23	4	15	3	31	1	31	4	0	0
# Fail	5	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
% Fail	2.5%	0.0%	--	0.0%	50.0%	--	0.0%	0.0%	14.3%	--	0.0%	0.0%	11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--

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	2022
WIST5053	1,097	0	18	7	25	4	38	9	62	10	81	20	105	17	75	14	91	25	109	17	131	21	122	7	87	2	0	0
# Fail	19	0	0	0	0	0	2	0	2	0	3	0	3	0	1	3	1	0	4	0	0	0	0	0	0	0	0	0
% Fail	1.7%	--	0.0%	0.0%	0.0%	0.0%	5.3%	0.0%	3.2%	0.0%	3.7%	0.0%	2.9%	0.0%	1.3%	21.4%	1.1%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST5055	11,700	10	51	18	119	54	233	94	385	143	649	226	875	277	707	244	999	308	1,303	375	1,500	414	1,513	157	995	38	12	1
# Fail	484	0	3	4	12	7	28	13	37	21	50	24	65	20	35	12	42	13	32	7	29	10	18	1	1	0	0	0
% Fail	4.1%	0.0%	5.9%	22.2%	10.1%	13.0%	12.0%	13.8%	9.6%	14.7%	7.7%	10.6%	7.4%	7.2%	5.0%	4.9%	4.2%	4.2%	2.5%	1.9%	1.9%	2.4%	1.2%	0.6%	0.1%	0.0%	0.0%	0.0%
WIST5058	130	0	2	0	0	2	3	1	5	4	8	2	7	6	6	4	9	8	13	3	10	2	20	1	12	2	0	0
# Fail	5	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	2	0	0	0	0	0	0	0	0	0
% Fail	3.8%	--	0.0%	--	--	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.7%	0.0%	0.0%	0.0%	12.5%	15.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST5066	6,696	14	54	27	102	39	182	60	299	93	405	114	547	137	404	121	563	169	690	189	814	174	813	71	587	17	9	2
# Fail	231	3	3	1	9	4	23	4	22	9	27	8	26	9	14	5	18	4	12	2	14	2	7	0	5	0	0	0
% Fail	3.4%	21.4%	5.6%	3.7%	8.8%	10.3%	12.6%	6.7%	7.4%	9.7%	6.7%	7.0%	4.8%	6.6%	3.5%	4.1%	3.2%	2.4%	1.7%	1.1%	1.7%	1.1%	0.9%	0.0%	0.9%	0.0%	0.0%	0.0%
WIST5074	976	2	3	2	14	8	17	9	29	25	40	25	54	30	63	31	73	45	92	52	102	50	94	27	89	0	0	0
# Fail	46	1	0	1	1	1	0	1	3	4	1	3	7	4	4	2	2	3	3	1	0	0	2	0	2	0	0	0
% Fail	4.7%	50.0%	0.0%	50.0%	7.1%	12.5%	0.0%	11.1%	10.3%	16.0%	2.5%	12.0%	13.0%	13.3%	6.3%	6.5%	2.7%	6.7%	3.3%	1.9%	0.0%	0.0%	2.1%	0.0%	2.2%	--	--	--
WIST5077	3,378	2	14	7	32	14	38	22	104	24	152	39	250	49	205	52	344	54	379	72	490	91	513	38	389	1	3	0
# Fail	64	0	0	0	1	1	3	5	9	2	7	1	8	1	3	2	7	0	4	1	1	2	3	0	3	0	0	0
% Fail	1.9%	0.0%	0.0%	0.0%	3.1%	7.1%	7.9%	22.7%	8.7%	8.3%	4.6%	2.6%	3.2%	2.0%	1.5%	3.8%	2.0%	0.0%	1.1%	1.4%	0.2%	2.2%	0.6%	0.0%	0.8%	0.0%	0.0%	--
WIST5081	26,482	33	187	63	317	122	537	179	909	262	1,283	358	1,878	457	1,494	405	2,259	537	3,128	683	3,691	655	3,837	251	2,824	107	22	4
# Fail	812	2	15	10	27	18	44	17	58	27	92	30	86	33	63	14	68	17	80	15	50	7	29	4	5	1	0	0
% Fail	3.1%	6.1%	8.0%	15.9%	8.5%	14.8%	8.2%	9.5%	6.4%	10.3%	7.2%	8.4%	4.6%	7.2%	4.2%	3.5%	3.0%	3.2%	2.6%	2.2%	1.4%	1.1%	0.8%	1.6%	0.2%	0.9%	0.0%	0.0%
WIST5083	3,247	1	27	10	31	10	66	21	116	44	168	52	229	80	211	66	265	95	353	102	447	110	402	29	308	4	0	0
# Fail	154	1	4	1	3	2	8	3	13	5	20	10	12	9	9	0	14	2	11	8	12	2	4	0	1	0	0	0
% Fail	4.7%	100%	14.8%	10.0%	9.7%	20.0%	12.1%	14.3%	11.2%	11.4%	11.9%	19.2%	5.2%	11.3%	4.3%	0.0%	5.3%	2.1%	3.1%	7.8%	2.7%	1.8%	1.0%	0.0%	0.3%	0.0%	--	--
WIST5085	4,251	1	30	7	42	9	48	8	105	26	186	30	231	32	223	39	352	47	525	75	722	85	704	42	666	6	6	4
# Fail	78	0	2	1	1	0	0	0	5	3	6	3	11	3	5	0	5	2	11	2	4	3	5	1	5	0	0	0
% Fail	1.8%	0.0%	6.7%	14.3%	2.4%	0.0%	0.0%	0.0%	4.8%	11.5%	3.2%	10.0%	4.8%	9.4%	2.2%	0.0%	1.4%	4.3%	2.1%	2.7%	0.6%	3.5%	0.7%	2.4%	0.8%	0.0%	0.0%	0.0%
WIST5086	1,926	1	11	5	22	4	34	15	56	18	66	20	136	35	104	30	180	41	239	49	259	62	267	42	223	4	3	0
# Fail	44	0	0	0	2	0	4	2	1	0	4	1	10	5	2	2	4	1	2	0	2	1	1	0	0	0	0	0
% Fail	2.3%	0.0%	0.0%	0.0%	9.1%	0.0%	11.8%	13.3%	1.8%	0.0%	6.1%	5.0%	7.4%	14.3%	1.9%	6.7%	2.2%	2.4%	0.8%	0.0%	0.8%	1.6%	0.4%	0.0%	0.0%	0.0%	0.0%	--
WIST5088	818	1	10	6	19	7	27	12	35	19	63	15	70	28	46	8	56	12	82	19	91	28	93	7	61	3	0	0
# Fail	43	0	1	0	1	1	4	1	3	2	5	2	7	1	4	0	4	3	1	1	2	0	0	0	0	0	0	0
% Fail	5.3%	0.0%	10.0%	0.0%	5.3%	14.3%	14.8%	8.3%	8.6%	10.5%	7.9%	13.3%	10.0%	3.6%	8.7%	0.0%	7.1%	25.0%	1.2%	5.3%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST5089	2,001	2	10	5	16	2	22	12	43	16	76	25	112	33	105	24	170	54	223	51	296	71	323	21	282	5	1	1
# Fail	47	0	2	0	0	0	0	2	2	1	3	2	4	3	6	1	3	2	4	1	5	1	2	1	2	0	0	0
% Fail	2.3%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	16.7%	4.7%	6.3%	3.9%	8.0%	3.6%	9.1%	5.7%	4.2%	1.8%	3.7%	1.8%	2.0%	1.7%	1.4%	0.6%	4.8%	0.7%	0.0%	0.0%	0.0%
WIST5090	17,302	20	113	68	230	99	408	162	716	236	1,076	331	1,366	389	1,077	347	1,534	423	1,884	489	2,081	427	2,130	162	1,478	42	11	3
# Fail	661	5	7	11	18	12	42	19	48	14	65	34	78	30	76	18	54	12	53	10	28	5	12	3	6	1	0	0
% Fail	3.8%	25.0%	6.2%	16.2%	7.8%	12.1%	10.3%	11.7%	6.7%	5.9%	6.0%	10.3%	5.7%	7.7%	7.1%	5.2%	3.5%	2.8%	2.8%	2.0%	1.3%	1.2%	0.6%	1.9%	0.4%	2.4%	0.0%	0.0%
WIST5091	1,058	1	14	3	12	6	25	14	39	17	82	9	87	20	71	9	91	17	118	19	120	24	137	3	120	0	0	0
# Fail	38	0	0	0	0	1	2	0	2	2	7	0	10	3	0	0	6	0	3	0	0	0	2	0	0	0	0	0
% Fail	3.6%	0.0%	0.0%	0.0%	0.0%	16.7%	8.0%	0.0%	5.1%	11.8%	8.5%	0.0%	11.5%	15.0%	0.0%	0.0%	6.6%	0.0%	2.5%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	--	--	--
WIST5092	4,322	12	35	19	65	27	80	43	167	55	237	74	299	94	258	89	340	106	467	129	545	133	554	54	433	6	1	0
# Fail	155	2	3	1	3	2	11	3	11	7	15	5	13	7	9	4	14	10	14	5	8	1	6	0	1	0	0	0
% Fail	3.6%	16.7%	8.6%	5.3%	4.6%	7.4%	13.8%	7.0%	6.6%	12.7%	6.3%	6.8%	4.3%	7.4%	3.5%	4.5%	4.1%	9.4%	3.0%	3.9%	1.5%	0.8%	1.1%	0.0%	0.2%	0.0%	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	2022
WIST5094	3,682	3	19	10	46	18	79	12	110	35	143	29	237	48	206	56	326	65	436	93	529	73	602	33	445	22	3	4
# Fail	95	0	1	0	2	0	7	3	4	4	9	1	8	1	6	2	12	4	8	0	11	0	9	0	3	0	0	0
% Fail	2.6%	0.0%	5.3%	0.0%	4.3%	0.0%	8.9%	25.0%	3.6%	11.4%	6.3%	3.4%	3.4%	2.1%	2.9%	3.6%	3.7%	6.2%	1.8%	0.0%	2.1%	0.0%	1.5%	0.0%	0.7%	0.0%	0.0%	0.0%
WIST5095	138	0	2	1	0	0	2	3	6	3	5	4	8	5	8	0	11	5	20	3	17	0	10	1	18	6	0	0
# Fail	6	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0
% Fail	4.3%	--	50.0%	100%	--	--	0.0%	0.0%	0.0%	0.0%	0.0%	25.0%	0.0%	0.0%	0.0%	--	18.2%	0.0%	0.0%	33.3%	0.0%	--	0.0%	0.0%	0.0%	0.0%	--	--
WIST5096	57	0	2	0	1	0	0	1	2	0	3	3	0	0	3	2	4	3	6	0	9	3	5	1	6	2	0	1
# Fail	4	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
% Fail	7.0%	--	0.0%	--	0.0%	--	--	0.0%	50.0%	--	33.3%	33.3%	--	--	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	33.3%	0.0%	0.0%	0.0%	0.0%	--	0.0%
WIST5097	105	0	0	0	1	0	2	0	3	2	4	4	6	3	3	0	6	1	10	8	11	6	14	3	14	4	0	0
# Fail	5	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
% Fail	4.8%	--	--	--	100%	--	0.0%	--	0.0%	0.0%	25.0%	25.0%	0.0%	33.3%	0.0%	--	0.0%	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST5098	577	2	5	2	5	1	9	6	14	3	19	4	21	11	28	15	31	21	58	17	67	32	71	24	85	25	1	0
# Fail	16	0	0	1	1	0	1	0	2	0	2	0	1	1	0	0	0	0	4	1	0	0	2	0	0	0	0	0
% Fail	2.8%	0.0%	0.0%	50.0%	20.0%	0.0%	11.1%	0.0%	14.3%	0.0%	10.5%	0.0%	4.8%	9.1%	0.0%	0.0%	0.0%	0.0%	6.9%	5.9%	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	--
WIST5099	27	0	0	0	0	0	0	0	0	0	0	0	3	1	0	3	2	2	3	3	2	1	6	0	0	1	0	0
# Fail	6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	1	0	0	0	0	1	0	0	0	0	0
% Fail	22.2%	--	--	--	--	--	--	--	--	--	--	--	0.0%	100%	--	66.7%	50.0%	50.0%	0.0%	0.0%	0.0%	0.0%	16.7%	--	--	0.0%	--	--
WIST5100	705	1	5	3	6	6	14	10	26	5	31	7	24	18	30	19	64	21	80	24	91	26	99	17	72	5	1	0
# Fail	26	1	0	2	1	1	2	1	1	1	1	1	2	1	2	1	2	1	2	2	0	0	1	0	0	0	0	0
% Fail	3.7%	100%	0.0%	66.7%	16.7%	16.7%	14.3%	10.0%	3.8%	20.0%	3.2%	14.3%	8.3%	5.6%	6.7%	5.3%	3.1%	4.8%	2.5%	8.3%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	--
WIST6001	5,327	11	51	18	105	47	151	64	284	81	371	116	435	116	342	97	458	115	514	128	626	119	623	34	408	7	5	1
# Fail	306	2	5	2	12	6	11	8	28	19	34	14	48	13	25	12	17	9	16	4	8	4	7	0	2	0	0	0
% Fail	5.7%	18.2%	9.8%	11.1%	11.4%	12.8%	7.3%	12.5%	9.9%	23.5%	9.2%	12.1%	11.0%	11.2%	7.3%	12.4%	3.7%	7.8%	3.1%	3.1%	1.3%	3.4%	1.1%	0.0%	0.5%	0.0%	0.0%	0.0%
WIST6004	7,192	2	27	11	68	14	110	34	206	39	348	58	441	80	360	96	604	117	839	144	1,122	180	1,203	78	970	41	0	0
# Fail	123	0	1	1	0	0	9	1	13	3	14	2	13	2	11	1	10	2	15	1	11	1	8	0	4	0	0	0
% Fail	1.7%	0.0%	3.7%	9.1%	0.0%	0.0%	8.2%	2.9%	6.3%	7.7%	4.0%	3.4%	2.9%	2.5%	3.1%	1.0%	1.7%	1.7%	1.8%	0.7%	1.0%	0.6%	0.7%	0.0%	0.4%	0.0%	--	--
WIST6007	574	2	6	2	11	1	15	5	32	11	42	10	51	13	37	6	38	9	65	15	64	14	71	2	51	1	0	0
# Fail	7	0	0	1	0	0	1	0	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
% Fail	1.2%	0.0%	0.0%	50.0%	0.0%	0.0%	6.7%	0.0%	6.3%	0.0%	0.0%	0.0%	2.0%	7.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%	--	--
WIST6013	2,584	0	6	1	23	5	29	7	58	10	91	21	161	17	164	25	216	25	308	42	436	47	468	22	398	2	2	0
# Fail	60	0	0	1	1	2	1	0	2	2	4	1	12	2	4	3	7	3	5	0	3	0	6	1	0	0	0	0
% Fail	2.3%	--	0.0%	100%	4.3%	40.0%	3.4%	0.0%	3.4%	20.0%	4.4%	4.8%	7.5%	11.8%	2.4%	12.0%	3.2%	12.0%	1.6%	0.0%	0.7%	0.0%	1.3%	4.5%	0.0%	0.0%	0.0%	--
WIST6018	5,753	8	52	15	74	35	129	64	211	73	304	95	397	111	336	117	413	139	588	162	718	169	797	66	655	23	2	0
# Fail	253	0	4	1	11	2	18	5	25	6	26	6	35	13	19	11	18	8	15	5	5	2	15	0	3	0	0	0
% Fail	4.4%	0.0%	7.7%	6.7%	14.9%	5.7%	14.0%	7.8%	11.8%	8.2%	8.6%	6.3%	8.8%	11.7%	5.7%	9.4%	4.4%	5.8%	2.6%	3.1%	0.7%	1.2%	1.9%	0.0%	0.5%	0.0%	0.0%	--
WIST6021	3,867	2	20	5	44	5	60	16	109	17	158	31	250	37	172	55	294	68	478	90	600	100	653	44	538	19	2	0
# Fail	50	0	1	0	2	0	2	0	4	0	8	1	4	0	5	1	6	1	4	0	5	0	4	0	2	0	0	0
% Fail	1.3%	0.0%	5.0%	0.0%	4.5%	0.0%	3.3%	0.0%	3.7%	0.0%	5.1%	3.2%	1.6%	0.0%	2.9%	1.8%	2.0%	1.5%	0.8%	0.0%	0.8%	0.0%	0.6%	0.0%	0.4%	0.0%	0.0%	--
WIST6022	5,877	3	26	9	61	17	91	32	136	44	235	68	361	69	312	53	487	122	721	136	898	145	932	69	806	39	4	1
# Fail	111	1	0	2	6	2	6	1	11	3	9	2	11	2	5	0	13	3	12	1	6	2	9	0	4	0	0	0
% Fail	1.9%	33.3%	0.0%	22.2%	9.8%	11.8%	6.6%	3.1%	8.1%	6.8%	3.8%	2.9%	3.0%	2.9%	1.6%	0.0%	2.7%	2.5%	1.7%	0.7%	0.7%	1.4%	1.0%	0.0%	0.5%	0.0%	0.0%	0.0%
WIST6026	2,378	3	17	7	18	6	37	10	67	24	98	22	140	40	108	29	168	52	278	45	329	65	422	35	349	6	3	0
# Fail	45	0	1	0	1	0	7	1	2	0	3	0	6	1	3	0	3	0	7	0	4	0	5	0	1	0	0	0
% Fail	1.9%	0.0%	5.9%	0.0%	5.6%	0.0%	18.9%	10.0%	3.0%	0.0%	3.1%	0.0%	4.3%	2.5%	2.8%	0.0%	1.8%	0.0%	2.5%	0.0%	1.2%	0.0%	1.2%	0.0%	0.3%	0.0%	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	2022
WIST6031	4,591	2	33	7	57	22	74	29	142	22	233	35	319	61	251	49	440	69	575	76	679	101	690	34	586	2	2	1
# Fail	94	0	1	2	3	1	9	3	9	0	7	4	9	0	7	3	10	2	9	3	6	0	5	1	0	0	0	0
% Fail	2.0%	0.0%	3.0%	28.6%	5.3%	4.5%	12.2%	10.3%	6.3%	0.0%	3.0%	11.4%	2.8%	0.0%	2.8%	6.1%	2.3%	2.9%	1.6%	3.9%	0.9%	0.0%	0.7%	2.9%	0.0%	0.0%	0.0%	0.0%
WIST6033	1,092	0	2	2	6	2	21	2	23	4	46	8	52	10	47	10	78	20	125	26	166	33	190	14	192	11	2	0
# Fail	11	0	0	0	1	0	1	1	0	1	3	0	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0
% Fail	1.0%	--	0.0%	0.0%	16.7%	0.0%	4.8%	50.0%	0.0%	25.0%	6.5%	0.0%	1.9%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	--
WIST6035	3,575	4	19	5	36	15	59	34	102	38	181	66	244	94	217	68	297	91	407	94	438	127	485	52	384	18	0	0
# Fail	156	0	2	3	1	2	12	6	9	9	16	7	20	11	9	1	6	6	17	4	4	6	4	0	1	0	0	0
% Fail	4.4%	0.0%	10.5%	60.0%	2.8%	13.3%	20.3%	17.6%	8.8%	23.7%	8.8%	10.6%	8.2%	11.7%	4.1%	1.5%	2.0%	6.6%	4.2%	4.3%	0.9%	4.7%	0.8%	0.0%	0.3%	0.0%	--	--
WIST6037	4,713	3	26	16	80	30	112	65	180	81	268	92	354	122	287	100	422	126	446	142	582	109	592	39	420	14	3	2
# Fail	255	1	5	2	7	4	14	7	21	9	18	13	30	9	26	12	25	11	21	2	11	1	4	0	2	0	0	0
% Fail	5.4%	33.3%	19.2%	12.5%	8.8%	13.3%	12.5%	10.8%	11.7%	11.1%	6.7%	14.1%	8.5%	7.4%	9.1%	12.0%	5.9%	8.7%	4.7%	1.4%	1.9%	0.9%	0.7%	0.0%	0.5%	0.0%	0.0%	0.0%
WIST6039	3,610	2	11	0	18	7	31	7	74	31	124	21	156	35	202	49	282	78	429	83	603	108	614	47	574	23	1	0
# Fail	84	0	1	0	1	0	4	1	7	1	6	1	10	2	7	1	9	2	12	1	10	0	4	2	2	0	0	0
% Fail	2.3%	0.0%	9.1%	--	5.6%	0.0%	12.9%	14.3%	9.5%	3.2%	4.8%	4.8%	6.4%	5.7%	3.5%	2.0%	3.2%	2.6%	2.8%	1.2%	1.7%	0.0%	0.7%	4.3%	0.3%	0.0%	0.0%	--
WIST6042	4,172	8	26	11	51	24	92	32	137	62	245	69	309	73	280	66	346	101	463	107	508	113	536	37	457	14	4	1
# Fail	135	0	3	1	5	1	14	2	11	5	16	2	13	1	13	3	16	4	8	2	10	0	4	0	1	0	0	0
% Fail	3.2%	0.0%	11.5%	9.1%	9.8%	4.2%	15.2%	6.3%	8.0%	8.1%	6.5%	2.9%	4.2%	1.4%	4.6%	4.5%	4.6%	4.0%	1.7%	1.9%	2.0%	0.0%	0.7%	0.0%	0.2%	0.0%	0.0%	0.0%
WIST6043	3,860	8	26	10	72	33	121	50	194	92	243	118	348	139	292	110	353	132	334	105	351	120	335	32	235	6	1	0
# Fail	284	2	4	1	12	6	20	9	25	17	35	16	32	12	27	5	15	7	11	4	9	2	9	1	3	0	0	0
% Fail	7.4%	25.0%	15.4%	10.0%	16.7%	18.2%	16.5%	18.0%	12.9%	18.5%	14.4%	13.6%	9.2%	8.6%	9.2%	4.5%	4.2%	5.3%	3.3%	3.8%	2.6%	1.7%	2.7%	3.1%	1.3%	0.0%	0.0%	--
WIST6044	4,647	5	39	17	70	33	133	47	209	80	294	94	366	113	309	100	404	116	490	141	517	126	533	52	345	13	0	1
# Fail	174	1	1	2	4	2	17	7	20	8	16	8	23	5	12	3	9	2	15	2	6	3	5	1	2	0	0	0
% Fail	3.7%	20.0%	2.6%	11.8%	5.7%	6.1%	12.8%	14.9%	9.6%	10.0%	5.4%	8.5%	6.3%	4.4%	3.9%	3.0%	2.2%	1.7%	3.1%	1.4%	1.2%	2.4%	0.9%	1.9%	0.6%	0.0%	--	0.0%
WIST6055	1,266	1	8	1	10	5	28	5	32	6	44	19	78	22	68	16	97	18	156	33	180	31	199	21	180	7	0	1
# Fail	21	0	0	0	1	0	2	0	3	0	1	0	3	3	2	0	3	1	1	0	1	0	0	0	0	0	0	0
% Fail	1.7%	0.0%	0.0%	0.0%	10.0%	0.0%	7.1%	0.0%	9.4%	0.0%	2.3%	0.0%	3.8%	13.6%	2.9%	0.0%	3.1%	5.6%	0.6%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%
WIST6058	3,462	2	17	7	36	11	46	27	93	40	150	62	228	68	198	76	277	93	435	105	493	117	459	36	383	2	1	0
# Fail	119	0	2	1	2	0	6	7	12	2	7	8	15	9	7	4	10	2	10	2	8	2	3	0	0	0	0	0
% Fail	3.4%	0.0%	11.8%	14.3%	5.6%	0.0%	13.0%	25.9%	12.9%	5.0%	4.7%	12.9%	6.6%	13.2%	3.5%	5.3%	3.6%	2.2%	2.3%	1.9%	1.6%	1.7%	0.7%	0.0%	0.0%	0.0%	0.0%	--
WIST6059	2,611	0	18	3	17	14	37	23	68	32	147	35	181	50	165	56	210	65	315	63	367	74	379	31	251	4	4	2
# Fail	97	0	2	0	1	2	6	1	4	6	15	2	7	3	7	2	7	5	8	2	8	2	6	0	0	1	0	0
% Fail	3.7%	--	11.1%	0.0%	5.9%	14.3%	16.2%	4.3%	5.9%	18.8%	10.2%	5.7%	3.9%	6.0%	4.2%	3.6%	3.3%	7.7%	2.5%	3.2%	2.2%	2.7%	1.6%	0.0%	0.0%	25.0%	0.0%	0.0%
WIST6060	1,538	3	5	3	12	2	21	5	34	11	78	14	87	10	87	14	128	21	163	17	233	27	235	23	285	16	4	0
# Fail	34	0	0	1	0	0	2	1	5	2	4	1	4	2	1	0	3	0	4	0	1	0	3	0	0	0	0	0
% Fail	2.2%	0.0%	0.0%	33.3%	0.0%	0.0%	9.5%	20.0%	14.7%	18.2%	5.1%	7.1%	4.6%	20.0%	1.1%	0.0%	2.3%	0.0%	2.5%	0.0%	0.4%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	--
WIST6061	802	0	5	1	9	3	25	4	26	7	39	8	54	13	65	9	72	22	91	16	108	17	115	8	78	7	0	0
# Fail	29	0	0	0	1	1	1	0	1	0	3	2	2	1	2	1	3	2	5	0	3	0	1	0	0	0	0	0
% Fail	3.6%	--	0.0%	0.0%	11.1%	33.3%	4.0%	0.0%	3.8%	0.0%	7.7%	25.0%	3.7%	7.7%	3.1%	11.1%	4.2%	9.1%	5.5%	0.0%	2.8%	0.0%	0.9%	0.0%	0.0%	0.0%	--	--
WIST6062	275	1	2	0	3	3	8	2	14	2	24	4	19	4	15	3	25	1	27	10	32	5	37	2	30	2	0	0
# Fail	10	0	0	0	1	0	1	0	0	1	0	1	1	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	3.6%	0.0%	0.0%	--	33.3%	0.0%	12.5%	0.0%	0.0%	50.0%	0.0%	25.0%	5.3%	0.0%	26.7%	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST6063	423	0	1	0	10	1	13	3	16	4	21	5	28	6	27	4	30	16	51	11	56	17	45	2	51	5	0	0
# Fail	9	0	0	0	0	0	0	0	1	0	1	1	2	0	0	0	0	1	1	0	0	0	1	0	1	0	0	0
% Fail	2.1%	--	0.0%	--	0.0%	0.0%	0.0%	0.0%	6.3%	0.0%	4.8%	20.0%	7.1%	0.0%	0.0%	0.0%	0.0%	6.3%	2.0%	0.0%	0.0%	0.0%	2.2%	0.0%	2.0%	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	2022
WIST6064	270	0	2	1	4	1	2	3	9	5	13	8	19	11	17	9	20	12	26	6	34	7	39	6	14	1	1	0
# Fail	18	0	1	1	1	0	1	1	0	0	0	3	2	1	1	0	0	1	1	0	1	0	2	1	0	0	0	0
% Fail	6.7%	--	50.0%	100%	25.0%	0.0%	50.0%	33.3%	0.0%	0.0%	0.0%	37.5%	10.5%	9.1%	5.9%	0.0%	0.0%	8.3%	3.8%	0.0%	2.9%	0.0%	5.1%	16.7%	0.0%	0.0%	0.0%	--
WIST6065	1,423	3	9	2	20	6	38	7	56	14	97	23	115	32	83	30	153	22	157	21	172	29	180	10	135	8	1	0
# Fail	45	1	1	1	0	1	3	4	1	2	4	2	4	2	3	0	3	0	4	1	5	0	2	0	0	1	0	0
% Fail	3.2%	33.3%	11.1%	50.0%	0.0%	16.7%	7.9%	57.1%	1.8%	14.3%	4.1%	8.7%	3.5%	6.3%	3.6%	0.0%	2.0%	0.0%	2.5%	4.8%	2.9%	0.0%	1.1%	0.0%	0.0%	12.5%	0.0%	--
WIST6066	903	1	4	3	16	10	13	13	44	7	49	18	72	17	71	12	79	16	95	17	100	36	120	8	72	8	2	0
# Fail	38	1	0	1	1	1	1	0	4	0	2	0	7	3	3	0	6	0	1	0	2	0	3	0	2	0	0	0
% Fail	4.2%	100%	0.0%	33.3%	6.3%	10.0%	7.7%	0.0%	9.1%	0.0%	4.1%	0.0%	9.7%	17.6%	4.2%	0.0%	7.6%	0.0%	1.1%	0.0%	2.0%	0.0%	2.5%	0.0%	2.8%	0.0%	0.0%	--
WIST6067	650	1	7	0	6	5	5	6	16	1	30	6	33	8	26	9	55	17	76	27	89	16	89	11	104	7	0	0
# Fail	15	0	2	0	0	0	0	1	0	1	2	1	0	0	2	0	1	0	1	1	3	0	0	0	0	0	0	0
% Fail	2.3%	0.0%	28.6%	--	0.0%	0.0%	0.0%	16.7%	0.0%	100%	6.7%	16.7%	0.0%	0.0%	7.7%	0.0%	1.8%	0.0%	1.3%	3.7%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST6070	70	0	0	0	0	0	0	1	1	0	2	1	3	2	2	1	6	2	6	3	9	5	8	6	6	6	0	0
# Fail	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
% Fail	4.3%	--	--	--	--	--	--	0.0%	0.0%	--	0.0%	0.0%	33.3%	0.0%	0.0%	0.0%	16.7%	0.0%	16.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST6071	114	2	0	1	2	0	4	4	6	4	6	3	8	5	12	2	7	6	9	2	10	3	4	1	11	2	0	0
# Fail	11	0	0	0	0	0	0	0	3	1	0	1	1	0	1	1	0	2	1	0	0	0	0	0	0	0	0	0
% Fail	9.6%	0.0%	--	0.0%	0.0%	--	0.0%	0.0%	50.0%	25.0%	0.0%	33.3%	12.5%	0.0%	8.3%	50.0%	0.0%	33.3%	11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST7004	1,140	2	10	2	20	6	17	16	46	12	70	26	86	25	69	19	96	19	127	25	159	30	147	14	96	1	0	0
# Fail	47	0	0	0	3	0	4	1	4	0	5	3	3	5	1	2	2	1	2	2	5	2	2	0	0	0	0	0
% Fail	4.1%	0.0%	0.0%	0.0%	15.0%	0.0%	23.5%	6.3%	8.7%	0.0%	7.1%	11.5%	3.5%	20.0%	1.4%	10.5%	2.1%	5.3%	1.6%	8.0%	3.1%	6.7%	1.4%	0.0%	0.0%	0.0%	--	--
WIST7006	1,117	2	7	2	7	1	33	7	37	12	42	3	47	9	40	10	67	17	129	33	162	27	216	23	174	9	1	0
# Fail	32	0	0	0	0	0	4	0	5	1	3	0	2	0	2	0	4	2	2	2	2	0	0	1	2	0	0	0
% Fail	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	12.1%	0.0%	13.5%	8.3%	7.1%	0.0%	4.3%	0.0%	5.0%	0.0%	6.0%	11.8%	1.6%	6.1%	1.2%	0.0%	0.0%	4.3%	1.1%	0.0%	0.0%	--
WIST7009	2,364	2	4	4	17	7	36	17	71	24	97	40	149	46	117	47	204	44	234	75	283	83	383	41	323	11	3	2
# Fail	72	2	0	0	1	2	5	1	6	3	5	3	8	2	8	1	6	2	6	3	3	1	1	1	2	0	0	0
% Fail	3.0%	100%	0.0%	0.0%	5.9%	28.6%	13.9%	5.9%	8.5%	12.5%	5.2%	7.5%	5.4%	4.3%	6.8%	2.1%	2.9%	4.5%	2.6%	4.0%	1.1%	1.2%	0.3%	2.4%	0.6%	0.0%	0.0%	0.0%
WIST7011	5,703	7	44	19	98	33	138	52	221	66	327	66	370	97	280	79	452	118	605	142	774	163	859	64	601	23	5	0
# Fail	191	0	1	2	7	2	11	5	20	4	18	10	23	2	13	5	18	7	16	3	15	0	9	0	0	0	0	0
% Fail	3.3%	0.0%	2.3%	10.5%	7.1%	6.1%	8.0%	9.6%	9.0%	6.1%	5.5%	15.2%	6.2%	2.1%	4.6%	6.3%	4.0%	5.9%	2.6%	2.1%	1.9%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	--
WIST7014	15,220	17	79	38	182	67	309	106	527	172	803	186	999	259	927	236	1,275	350	1,742	409	2,007	411	2,171	165	1,707	62	10	4
# Fail	449	2	8	2	15	1	29	13	41	23	44	13	48	16	25	12	40	18	36	8	31	6	13	1	4	0	0	0
% Fail	3.0%	11.8%	10.1%	5.3%	8.2%	1.5%	9.4%	12.3%	7.8%	13.4%	5.5%	7.0%	4.8%	6.2%	2.7%	5.1%	3.1%	5.1%	2.1%	2.0%	1.5%	1.5%	0.6%	0.6%	0.2%	0.0%	0.0%	0.0%
WIST7016	14,232	9	58	16	110	30	179	63	346	104	579	106	770	213	747	174	1,085	249	1,645	313	2,162	402	2,414	222	2,117	95	19	5
# Fail	254	1	3	0	9	1	6	6	21	8	26	2	23	13	15	6	22	6	23	10	26	6	16	1	4	0	0	0
% Fail	1.8%	11.1%	5.2%	0.0%	8.2%	3.3%	3.4%	9.5%	6.1%	7.7%	4.5%	1.9%	3.0%	6.1%	2.0%	3.4%	2.0%	2.4%	1.4%	3.2%	1.2%	1.5%	0.7%	0.5%	0.2%	0.0%	0.0%	0.0%
WIST7020	756	0	8	2	11	1	25	3	29	3	33	8	43	5	40	6	65	11	101	19	93	17	114	5	112	2	0	0
# Fail	17	0	0	0	0	0	2	0	5	0	2	0	2	1	1	0	0	0	2	1	1	0	0	0	0	0	0	0
% Fail	2.2%	--	0.0%	0.0%	0.0%	0.0%	8.0%	0.0%	17.2%	0.0%	6.1%	0.0%	4.7%	20.0%	2.5%	0.0%	0.0%	0.0%	2.0%	5.3%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST7022	4,563	8	24	10	49	8	83	25	147	26	232	61	326	56	268	46	362	92	487	97	685	104	687	63	594	20	2	1
# Fail	71	1	2	3	4	0	5	3	4	1	11	4	4	1	8	1	5	0	4	2	5	0	2	0	1	0	0	0
% Fail	1.6%	12.5%	8.3%	30.0%	8.2%	0.0%	6.0%	12.0%	2.7%	3.8%	4.7%	6.6%	1.2%	1.8%	3.0%	2.2%	1.4%	0.0%	0.8%	2.1%	0.7%	0.0%	0.3%	0.0%	0.2%	0.0%	0.0%	0.0%
WIST7033	15,004	27	139	33	198	83	335	146	563	199	848	239	1,097	327	854	259	1,272	321	1,658	390	1,963	359	1,984	158	1,480	54	12	6
# Fail	569	4	14	1	21	14	24	11	57	18	73	27	71	26	40	12	47	10	37	8	31	3	16	1	3	0	0	0
% Fail	3.8%	14.8%	10.1%	3.0%	10.6%	16.9%	7.2%	7.5%	10.1%	9.0%	8.6%	11.3%	6.5%	8.0%	4.7%	4.6%	3.7%	3.1%	2.2%	2.1%	1.6%	0.8%	0.8%	0.6%	0.2%	0.0%	0.0%	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	2022
WIST7036	9,334	23	68	32	150	64	233	97	392	162	562	189	720	205	537	172	754	204	957	260	1,151	237	1,167	83	885	20	7	3
# Fail	444	4	6	5	15	10	30	8	45	20	60	10	48	21	32	11	36	6	17	7	20	3	24	1	5	0	0	0
% Fail	4.8%	17.4%	8.8%	15.6%	10.0%	15.6%	12.9%	8.2%	11.5%	12.3%	10.7%	5.3%	6.7%	10.2%	6.0%	6.4%	4.8%	2.9%	1.8%	2.7%	1.7%	1.3%	2.1%	1.2%	0.6%	0.0%	0.0%	0.0%
WIST7039	2,774	3	12	7	40	7	49	14	75	15	125	29	160	41	154	23	250	30	331	52	424	70	420	41	388	13	1	0
# Fail	35	0	0	0	1	0	1	0	1	0	5	3	5	2	2	0	0	0	7	0	4	1	1	0	2	0	0	0
% Fail	1.3%	0.0%	0.0%	0.0%	2.5%	0.0%	2.0%	0.0%	1.3%	0.0%	4.0%	10.3%	3.1%	4.9%	1.3%	0.0%	0.0%	0.0%	2.1%	0.0%	0.9%	1.4%	0.2%	0.0%	0.5%	0.0%	0.0%	--
WIST7049	3,516	2	10	7	27	13	46	9	121	22	165	34	206	41	169	40	280	53	378	71	527	80	638	49	503	20	4	1
# Fail	58	0	0	0	1	1	2	0	5	5	4	2	11	3	3	1	6	1	4	1	2	1	3	0	2	0	0	0
% Fail	1.6%	0.0%	0.0%	0.0%	3.7%	7.7%	4.3%	0.0%	4.1%	22.7%	2.4%	5.9%	5.3%	7.3%	1.8%	2.5%	2.1%	1.9%	1.1%	1.4%	0.4%	1.3%	0.5%	0.0%	0.4%	0.0%	0.0%	0.0%
WIST7053	2,877	6	27	8	54	14	68	27	114	37	144	33	198	52	153	35	238	62	290	70	408	83	382	49	313	9	3	0
# Fail	74	0	1	1	2	0	2	2	6	2	8	3	8	1	4	2	6	1	5	4	7	1	8	0	0	0	0	0
% Fail	2.6%	0.0%	3.7%	12.5%	3.7%	0.0%	2.9%	7.4%	5.3%	5.4%	5.6%	9.1%	4.0%	1.9%	2.6%	5.7%	2.5%	1.6%	1.7%	5.7%	1.7%	1.2%	2.1%	0.0%	0.0%	0.0%	0.0%	--
WIST7055	12,737	14	89	40	186	71	267	98	473	169	738	211	935	265	807	265	1,111	312	1,415	333	1,604	348	1,610	117	1,209	42	7	1
# Fail	396	0	10	5	12	8	22	10	31	15	46	19	43	13	27	12	35	14	27	8	15	4	13	1	6	0	0	0
% Fail	3.1%	0.0%	11.2%	12.5%	6.5%	11.3%	8.2%	10.2%	6.6%	8.9%	6.2%	9.0%	4.6%	4.9%	3.3%	4.5%	3.2%	4.5%	1.9%	2.4%	0.9%	1.1%	0.8%	0.9%	0.5%	0.0%	0.0%	0.0%
WIST7056	2,063	1	16	6	25	8	43	12	76	18	131	31	169	27	124	39	206	35	229	39	245	39	276	27	233	8	0	0
# Fail	60	0	2	0	1	0	0	1	8	3	2	6	10	2	4	1	5	1	7	0	3	0	4	0	0	0	0	0
% Fail	2.9%	0.0%	12.5%	0.0%	4.0%	0.0%	0.0%	8.3%	10.5%	16.7%	1.5%	19.4%	5.9%	7.4%	3.2%	2.6%	2.4%	2.9%	3.1%	0.0%	1.2%	0.0%	1.4%	0.0%	0.0%	0.0%	--	--
WIST7061	1,501	2	18	4	28	6	43	16	58	12	78	18	99	20	79	17	98	28	179	37	212	28	212	11	189	8	0	1
# Fail	48	0	0	0	3	0	3	1	2	0	3	1	9	2	7	0	4	0	6	1	5	0	0	0	1	0	0	0
% Fail	3.2%	0.0%	0.0%	0.0%	10.7%	0.0%	7.0%	6.3%	3.4%	0.0%	3.8%	5.6%	9.1%	10.0%	8.9%	0.0%	4.1%	0.0%	3.4%	2.7%	2.4%	0.0%	0.0%	0.0%	0.5%	0.0%	--	0.0%
WIST7068	1,556	0	9	3	22	9	33	3	33	18	52	20	94	22	81	29	134	21	189	39	208	49	285	25	177	1	0	0
# Fail	21	0	0	1	0	1	0	0	0	0	1	1	2	0	6	1	1	1	1	1	2	0	2	0	0	0	0	0
% Fail	1.3%	--	0.0%	33.3%	0.0%	11.1%	0.0%	0.0%	0.0%	0.0%	1.9%	5.0%	2.1%	0.0%	7.4%	3.4%	0.7%	4.8%	0.5%	2.6%	1.0%	0.0%	0.7%	0.0%	0.0%	0.0%	--	--
WIST7070	5,941	2	42	8	45	16	99	36	150	45	250	45	370	83	314	77	531	108	712	100	849	154	982	70	812	33	6	2
# Fail	127	0	3	0	2	0	10	1	11	2	12	1	17	5	10	3	13	2	10	3	8	2	7	2	3	0	0	0
% Fail	2.1%	0.0%	7.1%	0.0%	4.4%	0.0%	10.1%	2.8%	7.3%	4.4%	4.8%	2.2%	4.6%	6.0%	3.2%	3.9%	2.4%	1.9%	1.4%	3.0%	0.9%	1.3%	0.7%	2.9%	0.4%	0.0%	0.0%	0.0%
WIST7073	4,637	5	40	16	71	21	77	45	171	61	282	68	270	98	244	69	366	103	472	134	593	128	693	65	518	26	1	0
# Fail	176	1	4	1	10	2	9	4	13	7	24	4	15	8	11	5	11	4	13	4	17	0	8	0	1	0	0	0
% Fail	3.8%	20.0%	10.0%	6.3%	14.1%	9.5%	11.7%	8.9%	7.6%	11.5%	8.5%	5.9%	5.6%	8.2%	4.5%	7.2%	3.0%	3.9%	2.8%	3.0%	2.9%	0.0%	1.2%	0.0%	0.2%	0.0%	0.0%	--
WIST7075	3,664	4	26	7	59	17	71	29	128	30	211	44	234	56	245	46	308	66	400	88	461	85	513	30	490	15	0	1
# Fail	71	0	0	0	1	2	3	3	1	1	9	1	11	2	9	1	6	1	10	1	6	0	3	0	0	0	0	0
% Fail	1.9%	0.0%	0.0%	0.0%	1.7%	11.8%	4.2%	10.3%	0.8%	3.3%	4.3%	2.3%	4.7%	3.6%	3.7%	2.2%	1.9%	1.5%	2.5%	1.1%	1.3%	0.0%	0.6%	0.0%	0.0%	0.0%	--	0.0%
WIST7076	12,788	7	53	17	105	39	194	62	374	106	571	142	741	177	728	180	1,108	233	1,444	292	1,797	315	2,141	118	1,773	54	14	2
# Fail	301	0	4	1	6	0	8	6	23	8	29	9	35	6	27	7	28	9	32	10	24	4	19	0	6	0	0	0
% Fail	2.4%	0.0%	7.5%	5.9%	5.7%	0.0%	4.1%	9.7%	6.1%	7.5%	5.1%	6.3%	4.7%	3.4%	3.7%	3.9%	2.5%	3.9%	2.2%	3.4%	1.3%	1.3%	0.9%	0.0%	0.3%	0.0%	0.0%	0.0%
WIST7081	7,496	10	51	26	101	35	152	67	311	96	380	150	630	145	467	149	624	195	795	214	956	215	911	79	701	31	5	0
# Fail	320	2	2	2	12	3	21	9	38	5	33	14	40	12	26	9	23	8	14	7	19	2	12	1	5	1	0	0
% Fail	4.3%	20.0%	3.9%	7.7%	11.9%	8.6%	13.8%	13.4%	12.2%	5.2%	8.7%	9.3%	6.3%	8.3%	5.6%	6.0%	3.7%	4.1%	1.8%	3.3%	2.0%	0.9%	1.3%	1.3%	0.7%	3.2%	0.0%	--
WIST7088	3,052	6	24	6	32	12	59	28	102	30	149	49	213	51	148	55	218	59	314	88	442	85	488	46	335	11	2	0
# Fail	111	0	1	1	1	0	9	8	2	4	14	2	14	4	6	3	10	1	15	2	5	1	4	3	1	0	0	0
% Fail	3.6%	0.0%	4.2%	16.7%	3.1%	0.0%	15.3%	28.6%	2.0%	13.3%	9.4%	4.1%	6.6%	7.8%	4.1%	5.5%	4.6%	1.7%	4.8%	2.3%	1.1%	1.2%	0.8%	6.5%	0.3%	0.0%	0.0%	--
WIST7092	2,897	1	14	3	30	8	46	9	88	29	120	32	186	44	138	39	232	37	362	67	471	73	438	36	373	19	2	0
# Fail	73	0	0	0	1	0	3	0	9	5	8	1	9	3	6	2	4	1	7	1	9	0	3	0	1	0	0	0
% Fail	2.5%	0.0%	0.0%	0.0%	3.3%	0.0%	6.5%	0.0%	10.2%	17.2%	6.7%	3.1%	4.8%	6.8%	4.3%	5.1%	1.7%	2.7%	1.9%	1.5%	1.9%	0.0%	0.7%	0.0%	0.3%	0.0%	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	2022
WIST7093	9,018	6	36	13	96	28	122	65	251	66	387	93	578	123	539	119	779	183	1,145	193	1,308	245	1,399	92	1,110	33	9	0
# Fail	353	2	1	5	13	2	13	14	26	8	19	10	38	15	26	11	21	9	33	11	28	18	19	6	4	1	0	0
% Fail	3.9%	33.3%	2.8%	38.5%	13.5%	7.1%	10.7%	21.5%	10.4%	12.1%	4.9%	10.8%	6.6%	12.2%	4.8%	9.2%	2.7%	4.9%	2.9%	5.7%	2.1%	7.3%	1.4%	6.5%	0.4%	3.0%	0.0%	--
WIST7094	8,084	5	44	7	77	13	125	37	234	51	353	77	472	116	453	76	721	123	959	140	1,202	156	1,341	67	1,182	49	4	0
# Fail	137	0	2	1	2	1	8	2	7	2	14	0	19	7	12	1	11	2	16	1	13	2	10	0	4	0	0	0
% Fail	1.7%	0.0%	4.5%	14.3%	2.6%	7.7%	6.4%	5.4%	3.0%	3.9%	4.0%	0.0%	4.0%	6.0%	2.6%	1.3%	1.5%	1.6%	1.7%	0.7%	1.1%	1.3%	0.7%	0.0%	0.3%	0.0%	0.0%	--
WIST7095	9,350	6	36	14	77	26	132	45	259	57	416	71	578	95	557	112	771	155	1,162	179	1,412	214	1,485	96	1,333	55	5	2
# Fail	140	0	1	1	6	1	6	0	7	2	11	1	18	5	12	2	18	4	15	3	9	5	10	1	2	0	0	0
% Fail	1.5%	0.0%	2.8%	7.1%	7.8%	3.8%	4.5%	0.0%	2.7%	3.5%	2.6%	1.4%	3.1%	5.3%	2.2%	1.8%	2.3%	2.6%	1.3%	1.7%	0.6%	2.3%	0.7%	1.0%	0.2%	0.0%	0.0%	0.0%
WIST7098	1,653	3	6	1	12	4	28	7	50	15	66	17	109	16	97	18	135	31	197	26	282	39	260	22	201	9	1	1
# Fail	56	0	1	0	2	2	5	3	5	4	3	1	8	1	7	0	2	0	4	0	5	1	0	1	1	0	0	0
% Fail	3.4%	0.0%	16.7%	0.0%	16.7%	50.0%	17.9%	42.9%	10.0%	26.7%	4.5%	5.9%	7.3%	6.3%	7.2%	0.0%	1.5%	0.0%	2.0%	0.0%	1.8%	2.6%	0.0%	4.5%	0.5%	0.0%	0.0%	0.0%
WIST7103	2,457	3	14	1	19	5	37	13	72	22	103	30	159	30	126	23	199	35	275	41	350	57	443	17	364	17	1	1
# Fail	52	0	1	0	1	1	6	1	4	1	5	1	8	0	1	0	6	0	7	2	4	0	3	0	0	0	0	0
% Fail	2.1%	0.0%	7.1%	0.0%	5.3%	20.0%	16.2%	7.7%	5.6%	4.5%	4.9%	3.3%	5.0%	0.0%	0.8%	0.0%	3.0%	0.0%	2.5%	4.9%	1.1%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
WIST7106	1,814	3	2	1	12	2	29	4	46	11	80	10	130	25	131	23	171	26	220	43	244	32	288	14	260	4	2	1
# Fail	19	0	0	0	1	0	1	1	2	0	1	0	4	0	2	1	2	0	1	0	1	0	2	0	0	0	0	0
% Fail	1.0%	0.0%	0.0%	0.0%	8.3%	0.0%	3.4%	25.0%	4.3%	0.0%	1.3%	0.0%	3.1%	0.0%	1.5%	4.3%	1.2%	0.0%	0.5%	0.0%	0.4%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
WIST7115	1,487	1	10	2	21	9	40	4	57	10	84	16	110	24	85	22	116	36	163	29	177	21	204	19	205	11	3	8
# Fail	32	0	0	0	1	2	3	0	5	1	5	1	4	1	2	0	1	0	2	0	2	0	1	0	1	0	0	0
% Fail	2.2%	0.0%	0.0%	0.0%	4.8%	22.2%	7.5%	0.0%	8.8%	10.0%	6.0%	6.3%	3.6%	4.2%	2.4%	0.0%	0.9%	0.0%	1.2%	0.0%	1.1%	0.0%	0.5%	0.0%	0.5%	0.0%	0.0%	0.0%
WIST7120	5,139	11	31	10	57	28	74	64	177	107	280	119	384	152	363	153	426	193	520	189	563	187	564	67	409	9	2	0
# Fail	302	2	5	0	12	4	10	13	23	12	29	24	33	16	31	8	18	12	15	7	16	0	7	1	4	0	0	0
% Fail	5.9%	18.2%	16.1%	0.0%	21.1%	14.3%	13.5%	20.3%	13.0%	11.2%	10.4%	20.2%	8.6%	10.5%	8.5%	5.2%	4.2%	6.2%	2.9%	3.7%	2.8%	0.0%	1.2%	1.5%	1.0%	0.0%	0.0%	--
WIST7123	2,070	2	10	3	16	8	26	13	55	17	76	15	114	27	98	29	147	50	250	52	298	50	368	21	302	20	1	2
# Fail	49	0	0	0	3	1	1	2	4	4	0	1	6	4	4	0	6	1	4	0	5	0	2	1	0	0	0	0
% Fail	2.4%	0.0%	0.0%	0.0%	18.8%	12.5%	3.8%	15.4%	7.3%	23.5%	0.0%	6.7%	5.3%	14.8%	4.1%	0.0%	4.1%	2.0%	1.6%	0.0%	1.7%	0.0%	0.5%	4.8%	0.0%	0.0%	0.0%	0.0%
WIST7126	3,274	2	16	7	33	10	59	21	81	28	133	24	191	40	166	47	291	65	366	60	469	78	552	36	476	20	3	0
# Fail	103	0	1	2	5	0	6	2	10	2	13	0	8	2	8	2	13	2	11	2	6	3	4	0	1	0	0	0
% Fail	3.1%	0.0%	6.3%	28.6%	15.2%	0.0%	10.2%	9.5%	12.3%	7.1%	9.8%	0.0%	4.2%	5.0%	4.8%	4.3%	4.5%	3.1%	3.0%	3.3%	1.3%	3.8%	0.7%	0.0%	0.2%	0.0%	0.0%	--
WIST7129	7,413	5	37	13	93	21	135	47	273	63	392	89	524	96	449	101	687	147	903	152	1,035	146	1,088	53	855	7	2	0
# Fail	165	0	1	1	5	0	11	1	12	3	11	10	22	4	17	3	20	0	13	4	11	3	11	0	2	0	0	0
% Fail	2.2%	0.0%	2.7%	7.7%	5.4%	0.0%	8.1%	2.1%	4.4%	4.8%	2.8%	11.2%	4.2%	4.2%	3.8%	3.0%	2.9%	0.0%	1.4%	2.6%	1.1%	2.1%	1.0%	0.0%	0.2%	0.0%	0.0%	--
WIST7130	434	0	2	2	5	2	7	3	17	8	17	9	30	9	21	14	37	7	43	22	53	19	51	6	50	0	0	0
# Fail	8	0	0	0	0	0	0	0	2	2	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
% Fail	1.8%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.8%	25.0%	0.0%	11.1%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	--	--	--
WIST7132	194	0	0	1	1	1	2	0	5	3	11	5	20	6	9	5	16	7	23	7	23	13	14	8	14	0	0	0
# Fail	11	0	0	1	0	0	0	0	1	0	0	0	2	0	0	0	3	2	1	0	0	0	1	0	0	0	0	0
% Fail	5.7%	--	--	100%	0.0%	0.0%	0.0%	--	20.0%	0.0%	0.0%	0.0%	10.0%	0.0%	0.0%	0.0%	18.8%	28.6%	4.3%	0.0%	0.0%	0.0%	7.1%	0.0%	0.0%	--	--	--
WIST7134	369	0	2	1	7	1	15	0	14	3	25	7	29	9	18	2	35	6	44	4	50	5	62	2	28	0	0	0
# Fail	4	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
% Fail	1.1%	--	0.0%	0.0%	14.3%	0.0%	0.0%	--	7.1%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST7135	3,842	2	18	1	33	11	51	10	96	30	170	38	235	46	208	51	329	70	444	77	578	100	626	52	544	21	0	1
# Fail	69	0	2	0	1	0	2	0	5	1	4	0	12	2	10	1	3	2	6	2	5	3	4	0	4	0	0	0
% Fail	1.8%	0.0%	11.1%	0.0%	3.0%	0.0%	3.9%	0.0%	5.2%	3.3%	2.4%	0.0%	5.1%	4.3%	4.8%	2.0%	0.9%	2.9%	1.4%	2.6%	0.9%	3.0%	0.6%	0.0%	0.7%	0.0%	--	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	2022
WIST7137	300	1	3	0	4	2	3	2	9	5	14	5	19	3	23	13	18	16	34	8	35	7	39	3	32	2	0	0
# Fail	10	0	0	0	0	0	1	0	3	0	0	1	0	0	0	0	0	0	3	0	0	0	2	0	0	0	0	0
% Fail	3.3%	0.0%	0.0%	--	0.0%	0.0%	33.3%	0.0%	33.3%	0.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.8%	0.0%	0.0%	0.0%	5.1%	0.0%	0.0%	0.0%	--	--
WIST7138	1,406	4	14	0	21	5	27	5	46	14	69	14	95	23	92	13	109	22	154	25	205	22	238	13	170	6	0	0
# Fail	25	0	1	0	1	0	0	0	3	0	1	1	3	1	3	1	6	0	3	0	0	0	1	0	0	0	0	0
% Fail	1.8%	0.0%	7.1%	--	4.8%	0.0%	0.0%	0.0%	6.5%	0.0%	1.4%	7.1%	3.2%	4.3%	3.3%	7.7%	5.5%	0.0%	1.9%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	--	--
WIST7140	5,408	2	20	6	49	13	75	24	106	35	185	53	297	82	269	71	463	84	626	114	848	153	878	69	850	32	3	1
# Fail	96	0	2	1	0	1	6	1	9	1	13	3	7	8	8	2	7	2	7	2	9	2	4	0	1	0	0	0
% Fail	1.8%	0.0%	10.0%	16.7%	0.0%	7.7%	8.0%	4.2%	8.5%	2.9%	7.0%	5.7%	2.4%	9.8%	3.0%	2.8%	1.5%	2.4%	1.1%	1.8%	1.1%	1.3%	0.5%	0.0%	0.1%	0.0%	0.0%	0.0%
WIST7141	4,269	5	25	8	39	19	66	38	104	44	151	51	225	74	239	79	327	98	461	139	576	146	701	57	571	22	3	1
# Fail	139	1	5	0	5	1	6	2	9	8	5	5	7	4	15	5	18	6	10	2	11	1	9	2	2	0	0	0
% Fail	3.3%	20.0%	20.0%	0.0%	12.8%	5.3%	9.1%	5.3%	8.7%	18.2%	3.3%	9.8%	3.1%	5.4%	6.3%	6.3%	5.5%	6.1%	2.2%	1.4%	1.9%	0.7%	1.3%	3.5%	0.4%	0.0%	0.0%	0.0%
WIST7142	1,685	2	18	6	25	8	40	18	73	23	89	24	126	47	101	24	160	27	182	31	224	42	196	10	181	5	3	0
# Fail	50	0	1	0	5	1	2	1	5	0	8	2	4	1	2	0	6	0	5	0	4	0	3	0	0	0	0	0
% Fail	3.0%	0.0%	5.6%	0.0%	20.0%	12.5%	5.0%	5.6%	6.8%	0.0%	9.0%	8.3%	3.2%	2.1%	2.0%	0.0%	3.8%	0.0%	2.7%	0.0%	1.8%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	--
WIST7143	3,790	1	24	8	15	8	43	15	68	19	168	22	190	38	186	39	307	66	477	57	630	60	674	31	636	4	4	0
# Fail	60	0	0	0	0	3	0	0	3	1	7	2	6	2	6	1	7	1	5	2	4	1	4	0	5	0	0	0
% Fail	1.6%	0.0%	0.0%	0.0%	0.0%	37.5%	0.0%	0.0%	4.4%	5.3%	4.2%	9.1%	3.2%	5.3%	3.2%	2.6%	2.3%	1.5%	1.0%	3.5%	0.6%	1.7%	0.6%	0.0%	0.8%	0.0%	0.0%	--
WIST7144	1,246	2	3	1	8	5	14	3	22	5	46	14	54	17	57	10	98	43	121	32	204	51	212	26	179	18	0	1
# Fail	12	0	0	0	1	0	0	1	1	0	0	0	1	0	1	0	2	0	1	1	2	1	0	0	0	0	0	0
% Fail	1.0%	0.0%	0.0%	0.0%	12.5%	0.0%	0.0%	33.3%	4.5%	0.0%	0.0%	0.0%	1.9%	0.0%	1.8%	0.0%	2.0%	0.0%	0.8%	3.1%	1.0%	2.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%
WIST7145	339	1	0	2	5	0	7	0	7	6	20	8	20	8	25	3	30	10	30	9	34	11	57	6	36	4	0	0
# Fail	16	0	0	0	0	0	2	0	0	1	1	0	1	2	3	1	1	0	1	0	0	0	2	0	1	0	0	0
% Fail	4.7%	0.0%	--	0.0%	0.0%	--	28.6%	--	0.0%	16.7%	5.0%	0.0%	5.0%	25.0%	12.0%	33.3%	3.3%	0.0%	3.3%	0.0%	0.0%	0.0%	3.5%	0.0%	2.8%	0.0%	--	--
WIST7146	1,127	4	10	5	14	11	40	16	73	27	96	34	103	27	80	22	89	27	126	36	100	25	82	7	71	2	0	0
# Fail	60	1	0	3	2	1	5	1	8	4	5	4	13	0	4	1	1	0	3	2	0	0	0	1	1	0	0	0
% Fail	5.3%	25.0%	0.0%	60.0%	14.3%	9.1%	12.5%	6.3%	11.0%	14.8%	5.2%	11.8%	12.6%	0.0%	5.0%	4.5%	1.1%	0.0%	2.4%	5.6%	0.0%	0.0%	0.0%	14.3%	1.4%	0.0%	--	--
WIST7147	2,426	3	16	4	35	13	47	18	67	15	121	22	165	37	163	43	203	49	268	46	330	48	367	19	315	10	1	1
# Fail	55	0	1	0	1	1	5	0	4	0	6	0	4	3	6	1	5	1	8	1	3	1	2	0	2	0	0	0
% Fail	2.3%	0.0%	6.3%	0.0%	2.9%	7.7%	10.6%	0.0%	6.0%	0.0%	5.0%	0.0%	2.4%	8.1%	3.7%	2.3%	2.5%	2.0%	3.0%	2.2%	0.9%	2.1%	0.5%	0.0%	0.6%	0.0%	0.0%	0.0%
WIST7148	259	1	2	0	1	1	5	2	7	2	17	3	14	4	12	2	22	5	25	10	33	6	42	3	34	6	0	0
# Fail	8	0	0	0	0	0	1	0	0	0	1	0	3	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
% Fail	3.1%	0.0%	0.0%	--	0.0%	0.0%	20.0%	0.0%	0.0%	0.0%	5.9%	0.0%	21.4%	0.0%	0.0%	0.0%	4.5%	0.0%	0.0%	0.0%	3.0%	0.0%	2.4%	0.0%	0.0%	0.0%	--	--
WIST7149	44	0	1	0	1	1	1	0	0	0	1	0	1	3	3	1	6	4	5	2	4	2	7	1	0	0	0	0
# Fail	4	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
% Fail	9.1%	--	0.0%	--	100%	0.0%	100%	--	--	--	0.0%	--	0.0%	33.3%	0.0%	0.0%	16.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--	--
WIST7150	12	0	0	0	0	1	0	0	1	0	1	1	0	0	3	0	0	2	0	0	0	0	0	0	0	0	3	0
# Fail	4	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	33.3%	--	--	--	--	100%	--	--	100%	--	0.0%	0.0%	--	--	66.7%	--	--	0.0%	--	--	--	--	--	--	--	0.0%	--	--
WIST8003	209	24	5	0	3	7	0	2	1	0	0	2	10	1	0	14	0	137	1	0	0	0	1	0	1	0	0	0
# Fail	12	1	0	0	1	0	0	0	1	0	0	2	1	0	0	4	0	2	0	0	0	0	0	0	0	0	0	0
% Fail	5.7%	4.2%	0.0%	--	33.3%	0.0%	--	0.0%	100%	--	--	100%	10.0%	0.0%	--	28.6%	--	1.5%	0.0%	--	--	--	0.0%	--	0.0%	--	--	--
WIST8004	3,258	9	47	15	56	34	121	59	216	105	286	97	297	126	222	114	294	135	309	116	229	88	151	17	112	3	0	0
# Fail	229	3	4	3	8	5	20	7	33	12	26	11	20	7	12	12	12	5	13	7	6	1	2	0	0	0	0	0
% Fail	7.0%	33.3%	8.5%	20.0%	14.3%	14.7%	16.5%	11.9%	15.3%	11.4%	9.1%	11.3%	6.7%	5.6%	5.4%	10.5%	4.1%	3.7%	4.2%	6.0%	2.6%	1.1%	1.3%	0.0%	0.0%	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	2022
WIST8008	7,554	13	62	33	129	59	166	92	329	133	444	162	646	229	492	177	616	212	790	243	854	245	807	79	519	16	4	3
# Fail	426	1	7	7	21	7	24	11	34	18	51	18	65	23	34	11	26	8	26	8	7	6	12	0	1	0	0	0
% Fail	5.6%	7.7%	11.3%	21.2%	16.3%	11.9%	14.5%	12.0%	10.3%	13.5%	11.5%	11.1%	10.1%	10.0%	6.9%	6.2%	4.2%	3.8%	3.3%	3.3%	0.8%	2.4%	1.5%	0.0%	0.2%	0.0%	0.0%	0.0%
WIST8009	1,317	1	5	2	8	6	20	5	31	10	57	18	97	19	57	12	95	25	154	30	209	48	201	16	189	1	1	0
# Fail	26	0	1	0	0	2	2	0	1	0	3	1	4	1	1	1	2	1	3	0	2	0	0	0	1	0	0	0
% Fail	2.0%	0.0%	20.0%	0.0%	0.0%	33.3%	10.0%	0.0%	3.2%	0.0%	5.3%	5.6%	4.1%	5.3%	1.8%	8.3%	2.1%	4.0%	1.9%	0.0%	1.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	--
WIST8011	8,957	9	55	13	113	34	177	67	309	75	388	90	561	119	501	112	784	158	959	215	1,262	229	1,431	87	1,175	33	1	0
# Fail	253	1	6	1	6	3	20	4	18	4	27	5	39	3	21	3	18	3	24	4	22	3	9	1	7	1	0	0
% Fail	2.8%	11.1%	10.9%	7.7%	5.3%	8.8%	11.3%	6.0%	5.8%	5.3%	7.0%	5.6%	7.0%	2.5%	4.2%	2.7%	2.3%	1.9%	2.5%	1.9%	1.7%	1.3%	0.6%	1.1%	0.6%	3.0%	0.0%	--
WIST8016	4,868	4	35	7	70	10	67	18	141	43	227	42	330	58	249	41	396	96	600	109	660	107	781	47	692	32	4	1
# Fail	89	0	0	0	7	0	4	0	11	2	11	0	12	5	6	1	7	1	4	1	5	1	6	0	5	0	0	0
% Fail	1.8%	0.0%	0.0%	0.0%	10.0%	0.0%	6.0%	0.0%	7.8%	4.7%	4.8%	0.0%	3.6%	8.6%	2.4%	2.4%	1.8%	1.0%	0.7%	0.9%	0.8%	0.9%	0.8%	0.0%	0.7%	0.0%	0.0%	0.0%
WIST8018	1,548	2	8	4	19	8	28	10	56	24	90	22	110	34	92	33	145	27	185	28	215	27	202	21	150	7	0	1
# Fail	39	0	1	1	0	1	2	1	0	1	3	2	6	0	1	4	2	0	4	1	6	1	1	0	1	0	0	0
% Fail	2.5%	0.0%	12.5%	25.0%	0.0%	12.5%	7.1%	10.0%	0.0%	4.2%	3.3%	9.1%	5.5%	0.0%	1.1%	12.1%	1.4%	0.0%	2.2%	3.6%	2.8%	3.7%	0.5%	0.0%	0.7%	0.0%	--	0.0%
WIST8023	5,633	3	28	12	48	16	92	23	160	50	275	62	335	75	300	103	462	96	639	145	827	145	844	83	758	48	4	0
# Fail	120	0	2	0	4	3	3	2	12	2	14	5	9	4	13	6	7	4	11	2	8	2	5	2	0	0	0	0
% Fail	2.1%	0.0%	7.1%	0.0%	8.3%	18.8%	3.3%	8.7%	7.5%	4.0%	5.1%	8.1%	2.7%	5.3%	4.3%	5.8%	1.5%	4.2%	1.7%	1.4%	1.0%	1.4%	0.6%	2.4%	0.0%	0.0%	0.0%	--
WIST8026	1,904	5	18	3	21	7	42	15	86	45	107	42	150	60	116	54	188	62	209	67	200	54	202	17	129	0	4	1
# Fail	77	0	1	0	2	2	5	3	9	7	4	3	7	3	7	5	4	0	6	2	2	1	3	0	1	0	0	0
% Fail	4.0%	0.0%	5.6%	0.0%	9.5%	28.6%	11.9%	20.0%	10.5%	15.6%	3.7%	7.1%	4.7%	5.0%	6.0%	9.3%	2.1%	0.0%	2.9%	3.0%	1.0%	1.9%	1.5%	0.0%	0.8%	--	0.0%	0.0%
WIST8027	907	0	6	0	12	1	14	5	24	11	43	13	50	17	61	15	72	21	108	24	119	27	133	7	117	6	1	0
# Fail	26	0	1	0	1	0	0	0	7	0	1	0	2	1	1	1	3	1	2	2	1	2	0	0	0	0	0	0
% Fail	2.9%	--	16.7%	--	8.3%	0.0%	0.0%	0.0%	29.2%	0.0%	2.3%	0.0%	4.0%	5.9%	1.6%	6.7%	4.2%	4.8%	1.9%	8.3%	0.8%	7.4%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST8028	3,261	2	25	10	45	9	71	30	115	47	158	63	228	98	201	68	259	79	350	98	386	111	398	36	349	19	5	1
# Fail	170	0	4	0	3	1	8	7	12	5	17	7	20	10	14	5	21	3	9	2	13	1	5	0	3	0	0	0
% Fail	5.2%	0.0%	16.0%	0.0%	6.7%	11.1%	11.3%	23.3%	10.4%	10.6%	10.8%	11.1%	8.8%	10.2%	7.0%	7.4%	8.1%	3.8%	2.6%	2.0%	3.4%	0.9%	1.3%	0.0%	0.9%	0.0%	0.0%	0.0%
WIST8029	3,900	1	25	5	48	15	72	20	122	30	180	43	278	46	242	54	336	69	462	87	539	103	601	37	456	24	5	0
# Fail	78	1	1	0	3	1	3	0	8	1	8	4	8	1	8	2	9	0	10	1	7	0	1	0	1	0	0	0
% Fail	2.0%	100%	4.0%	0.0%	6.3%	6.7%	4.2%	0.0%	6.6%	3.3%	4.4%	9.3%	2.9%	2.2%	3.3%	3.7%	2.7%	0.0%	2.2%	1.1%	1.3%	0.0%	0.2%	0.0%	0.2%	0.0%	0.0%	--
WIST8030	5,135	6	36	7	61	26	95	26	207	43	301	53	379	85	264	59	450	98	611	101	782	130	727	48	510	30	0	0
# Fail	140	1	1	0	2	1	9	1	18	6	15	6	18	4	6	2	13	3	13	0	8	1	10	0	1	1	0	0
% Fail	2.7%	16.7%	2.8%	0.0%	3.3%	3.8%	9.5%	3.8%	8.7%	14.0%	5.0%	11.3%	4.7%	4.7%	2.3%	3.4%	2.9%	3.1%	2.1%	0.0%	1.0%	0.8%	1.4%	0.0%	0.2%	3.3%	--	--
WIST8031	516	0	1	1	4	2	7	3	12	1	15	6	35	8	25	13	28	19	62	17	67	18	86	11	71	4	0	0
# Fail	10	0	0	0	0	0	0	0	1	0	1	0	3	0	1	0	1	0	1	1	0	1	0	0	0	0	0	0
% Fail	1.9%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%	6.7%	0.0%	8.6%	0.0%	4.0%	0.0%	3.6%	0.0%	1.6%	5.9%	0.0%	5.6%	0.0%	0.0%	0.0%	0.0%	--	--
WIST8033	4,221	12	45	16	87	35	127	59	211	66	264	85	326	99	251	78	355	113	405	91	436	113	508	42	358	34	4	1
# Fail	250	0	3	1	11	5	18	8	35	7	21	13	30	6	21	5	20	9	11	2	13	0	8	1	2	0	0	0
% Fail	5.9%	0.0%	6.7%	6.3%	12.6%	14.3%	14.2%	13.6%	16.6%	10.6%	8.0%	15.3%	9.2%	6.1%	8.4%	6.4%	5.6%	8.0%	2.7%	2.2%	3.0%	0.0%	1.6%	2.4%	0.6%	0.0%	0.0%	0.0%
WISTT0010	949	0	11	6	14	6	27	11	35	12	57	10	71	19	59	16	69	23	81	15	126	14	150	8	106	3	0	0
# Fail	46	0	2	0	1	0	4	3	3	1	2	1	7	0	4	2	6	0	1	0	4	1	2	0	2	0	0	0
% Fail	4.8%	--	18.2%	0.0%	7.1%	0.0%	14.8%	27.3%	8.6%	8.3%	3.5%	10.0%	9.9%	0.0%	6.8%	12.5%	8.7%	0.0%	1.2%	0.0%	3.2%	7.1%	1.3%	0.0%	1.9%	0.0%	--	--
WISTT0011	1,176	2	6	6	23	3	27	14	37	13	89	6	90	22	71	14	113	23	124	18	157	31	150	8	120	8	0	1
# Fail	34	1	0	2	0	0	2	2	0	5	6	1	2	1	2	0	5	0	2	0	1	0	2	0	0	0	0	0
% Fail	2.9%	50.0%	0.0%	33.3%	0.0%	0.0%	7.4%	14.3%	0.0%	38.5%	6.7%	16.7%	2.2%	4.5%	2.8%	0.0%	4.4%	0.0%	1.6%	0.0%	0.6%	0.0%	1.3%	0.0%	0.0%	0.0%	--	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	2022
WISTT0012	1,097	3	18	9	13	8	26	9	36	21	75	24	95	43	74	27	91	28	99	42	105	32	123	13	81	1	1	0
# Fail	73	0	2	0	2	3	4	1	3	5	12	4	10	2	5	2	5	2	4	2	3	0	1	0	1	0	0	0
% Fail	6.7%	0.0%	11.1%	0.0%	15.4%	37.5%	15.4%	11.1%	8.3%	23.8%	16.0%	16.7%	10.5%	4.7%	6.8%	7.4%	5.5%	7.1%	4.0%	4.8%	2.9%	0.0%	0.8%	0.0%	1.2%	0.0%	0.0%	--
WISTT005	3,465	4	21	1	32	15	50	20	78	24	165	32	203	40	175	41	277	56	402	64	539	90	570	50	484	31	1	0
# Fail	84	0	0	0	1	0	5	3	3	0	9	2	10	3	7	3	9	1	13	1	6	1	4	0	3	0	0	0
% Fail	2.4%	0.0%	0.0%	0.0%	3.1%	0.0%	10.0%	15.0%	3.8%	0.0%	5.5%	6.3%	4.9%	7.5%	4.0%	7.3%	3.2%	1.8%	3.2%	1.6%	1.1%	1.1%	0.7%	0.0%	0.6%	0.0%	0.0%	--
WISTT009	11,673	10	47	16	115	43	165	62	278	99	469	107	702	178	631	166	958	246	1,372	298	1,812	353	1,813	163	1,498	64	5	3
# Fail	309	1	1	3	13	1	12	7	27	9	29	3	33	12	25	7	34	5	27	7	24	7	13	3	6	0	0	0
% Fail	2.6%	10.0%	2.1%	18.8%	11.3%	2.3%	7.3%	11.3%	9.7%	9.1%	6.2%	2.8%	4.7%	6.7%	4.0%	4.2%	3.5%	2.0%	2.0%	2.3%	1.3%	2.0%	0.7%	1.8%	0.4%	0.0%	0.0%	0.0%
Tested	686,457	784	4,314	1,555	8,084	2,980	12,814	5,003	22,711	7,387	34,274	9,440	46,265	12,371	39,477	11,146	57,701	14,828	77,069	17,098	93,087	18,303	99,021	7,681	79,299	3,042	539	181
# Fail	21,779	80	306	168	653	303	1,202	574	1,793	731	2,229	823	2,518	887	1,664	557	1,811	531	1,675	418	1,310	275	892	75	292	11	1	0
% Fail	3.2%	10.2%	7.1%	10.8%	8.1%	10.2%	9.4%	11.5%	7.9%	9.9%	6.5%	8.7%	5.4%	7.2%	4.2%	5.0%	3.1%	3.6%	2.2%	2.4%	1.4%	1.5%	0.9%	1.0%	0.4%	0.4%	0.2%	0.0%

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WIST3045	2 Brothers Mufflers & Brakes	1632 S. West Ave	Waukesha	53189	Waukesha	12
WIST2040	3 Kings Auto Sales	1329 43RD ST	Kenosha	53142	Kenosha	9
WIST3049	4 SEASON AUTOMOTIVE LLC	1911 W. MITCHELL	Milwaukee	53204	Milwaukee	3
WIST2030	A&J Automotive	8401 W. Hampton Ave	Milwaukee	53225	Milwaukee	9
WIST5088	Abi & Sons Automotive	817 44th st	Kenosha	53140	Kenosha	12
WIST3003	Accelerated Auto Service	667 W. State St.	Burlington	53105	Racine	15
WIST1037	ACE'S PITSTOP LLC	8687 N 107TH ST.	Milwaukee	53224	Milwaukee	9
WIST1028	Adams& Claybrooks Investments LLC	8822 W. Appleton Ave	Milwaukee	53225	Milwaukee	9
WIST1003	Allenton Service	5908 Hillcrest Dr.	Allenton	53002	Washington	15
WIST6065	Allis Automotive	6205 West Lincoln Ave	West Allis	53219	Milwaukee	12
WIST7020	American Muffler & Automotive	5933 S. Pine St.	Burlington	53105	Racine	15
WIST6042	Amport Automotive	1324 White Rock Ave.	Waukesha	53186	Waukesha	12
WIST6007	Anderson Automotive	240 Highland Dr.	Fredonia	53021	Ozaukee	15
WIST2048	AUTO SAFETY CENTER- CEDARBURG	7007 STATE RD 60	Cedarburg	53012	Washington	6
WIST8027	Auto Safety Center-West Bend	3700 Washington St.	West Bend	53095	Washington	15
WIST5091	Auto Time Service LLC	3005 N. 15th st	Sheboygan	53083	Sheboygan	6
WIST2019	Automotive Solutions	215 Klein Lane	Saukville	53080	Ozaukee	15
WIST8026	Autoplex MKE LLC	6000 W. Forest Home AVE	Milwaukee	53219	Milwaukee	0
WIST8011	B Towne Auto Service	457 Falcon Ridge Dr	Burlington	53105	Racine	30
WIST3043	Badger Automotive	4730 W BRADLEY RD	Brown Deer	53223	Milwaukee	9
WIST7115	Black Tie Auto Service	S84 W21172 Janesville Rd	Muskego	53150	WAUKESHA	18
WIST5096	Blue Line Auto Sales and Service	S83W18350 SATURN DR.	MUSKEGO	53150	Waukesha	9
WIST5008	Bob's Main Street Auto - Decorah	115 W. Decorah Rd	West Bend	53095	Washington	15
WIST4045	Bob's Main Street Auto - Main Street	1200 N Main St	West Bend	53090	Washington	15
WIST6061	Brian's Auto Service & Repair	1060 Fond Du Lac Avenue	Sheboygan	53085	Sheboygan	15
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	3
WIST1012	Butler Auto Body	4830 N. 125th St.	Butler	53142	Waukesha	12
WIST3015	Carlton Automotive Inc.	1318 Center St., PO Box 700288	Oostburg	53070	Sheboygan	3
WIST6004	Chuck's Main St. Auto	N64 W23876 Main St.	Sussex	53089	Waukesha	12
WIST6071	CPS AUTO REPAIR	721 W.WINDLAKE AVE	Milwaukee	53204	Milwaukee	9
WIST5055	Curriepark Auto Center	10745 W. Capitol Dr.	Wauwatosa	53222	Milwaukee	12
WIST2045	D&D ALL AUTO REPAIR LLC	6418 28TH AVE	Kenosha	53143	Kenosha	12
WIST3040	D&D Automotive Repair INC	1714 Arthur Court	Waukesha	53188	Waukesha	12
WIST5005	Dave's Garage Inc.	5454 W. Forest Home Ave.	Greenfield	53220	Milwaukee	9
WIST5045	Dave's Truck & 4 X 4 Repair, LLC	2993 Sherman Rd.	Jackson	53037	Washington	15
WIST2042	DEP'S AUTOMOTIVE	5147 W. FOREST HOME	GREENFIELD	53219	Milwaukee	9
WIST1020	Don's Garage	11916 Antioch Rd	Trevor	53179	Kenosha	15
WIST9999	DOT Test	1001 West St. Paul Ave	Milwaukee	53233	Milwaukee	0
WIST5015	Durand Automotive Center	1623 Durand Ave.	Racine	53403	Racine	15
WIST7142	Dynamic Automotive Solutions LLC	1230 S. West AVE	Waukesha	53186	Waukesha	12
WIST7148	EDDIE'S SERVICE INC	125 RIVERSIDE DR.	SAUKVILLE	53080	Ozaukee	12

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WIST5095	El Guero Auto Repair	5509 DURAND AVE	Racine	53406	Racine	15
WIST6033	Eric Von Schledorn	805 E Green Bay Rd	Saukville	53080	Ozaukee	15
WIST3021	Eric Von Schledorn - Random Lake	W4873 County Road RR	Random Lake	53066	Sheboygan	15
WIST2017	Ewald Chevrolet	36833 E. Wisconsin Ave	Oconomowoc	53066	Waukesha	9
WIST5085	Ewald Chrysler Jeep Dodge Ram	6319 S 108th Street	Franklin	53132	Milwaukee	6
WIST4064	Ewald Hartford Ford LLC	2570 E Sumner Street	Hartford	53027	Washington	12
WIST4040	Ewald Venus Ford	2727 E. Layton Ave.	Cudahy	53110	Milwaukee	12
WIST7081	Farkas Automotive Inc.	8008 N. Sherman	Brown Deer	53209	Milwaukee	12
WIST5083	First Rate Auto	5424 W. State St	Milwaukee	53208	Milwaukee	9
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
WIST7145	FM Auto Sales & Service	4264 South Packard Ave	Saint Francis	53235	Milwaukee	12
WIST6066	GALLEGOS AUTOMOTIVE LLC	7606 W. GREENFIELD AVE	West Allis	53214	Milwaukee	12
WIST7138	Gamino's Auto Repair	6156 Douglas AVE	Racine	53402	Racine	15
WIST7092	G-Brock's Auto Repair	375 E. Ottawa Ave	Dousman	53118	Waukesha	15
WIST0011	Genuine Mechanics	1453 N 40th	Sheboygan	53081	Sheboygan	15
WIST6035	Good Hope Service	4230 W. Good Hope Rd.	Milwaukee	53209	Milwaukee	9
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	15
WIST7135	Grand Motor Sports	W68N954 WASHINGTON AVE	Cedarburg	53012	Ozaukee	15
WIST5092	Great American Tire and Auto Repair	4106 78th street	Kenosha	53142	Kenosha	12
WIST6022	Hall Automotive	704 Bluemound Rd.	Waukesha	53189	Waukesha	12
WIST7016	Hartland Services Inc.	400 Industrial Dr	Hartland	53029	Waukesha	15
WIST2015	Heiser Toyota	11301 W. Metro Blvd.	Milwaukee	53224	Milwaukee	9
WIST7147	HEPPE'S SERVICE OF WISCONSIN INC	9152 W. BLUEMOUND RD	Milwaukee	53226	Milwaukee	6
WIST3041	HIS Auto LLC	718 Armour Rd	Oconomowoc	53066	Waukesha	15
WIST7088	Hoffman Auto & Tire	4811 Greenbay Rd.	Kenosha	53144	Kenosha	15
WIST4070	Hooked Up Towing and Repair	1420 9th st	Racine	53403	Racine	15
WIST7129	Hopson Automotive	W241 S4165 Pine Hollow Ct	Waukesha	53189	Waukesha	9
WIST1035	IA Auto Solutions	4590 N 124TH ST	Wauwatosa	53222	Milwaukee	6
WIST1038	ILLIE TINTS LLC	8581 S. 27TH ST	Franklin	53132	Milwaukee	12
WIST8016	It's All Good Auto	10125 W. Loomis Rd.	Franklin	53132	Milwaukee	6
WIST8018	Jeffs Automotive	5261 S. Nicholas Ave	Cudahy	53110	Milwaukee	15
WISTT009	Jerry's Auto Service Inc. (TAC)	W229 N2467 Hwy F	Waukesha	53186	Waukesha	15
WIST7141	Jiffy Lube-Kenosha	3321 Market Lane	Kenosha	53144	Kenosha	15
WIST8023	Jiffy Lube-Muskego	S64 W15890 Commerce Center Parkway	Muskego	53150	Waukesha	15
WIST4063	Jim's Auto Service	W4131 Main RD	Plymouth	53073	Sheboygan	15
WIST4002	Joe's Slinger Service LLC	220 Info Hwy. Crt.	Slinger	53086	Washington	15
WIST1026	John Amato Chrysler,Dodge,Jeep Ram	5900 N. Greenbay Rd	Glendale	53209	Milwaukee	12
WIST3013	John Amato Hyundai Inc.	83001 N. 76th St.	Milwaukee	53223	Milwaukee	9
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	9

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WIST5099	KASH BROS AUTO GROUP	4033 W. CUSTER AVE	Milwaukee	53209	Milwaukee	9
WIST4051	Kastenson Auto (formally Tenhagen Auto)	21445 Durand Ave	Union Grove	53182	Racine	15
WIST3039	KK Car Service	17125 W. Greenfield ave	New Berlin	53151	Waukesha	12
WIST3014	Komp Tech Automotive Service	8832 W. Greenfield Ave.	West Allis	53214	Milwaukee	0
WIST6060	Kruegers Auto Tech Center	W61 N225 CARDINAL AVE	Cedarburg	53012	Ozaukee	15
WIST4003	Kusch's Automotive	136 N. 120th St.	Wauwatosa	53226	Milwaukee	12
WIST8009	Kwiky Lube Plus - Jackson	W213N16770 Glen Brook Dr	Jackson	53037	Washington	3
WIST5086	Kwiky Lube Plus - Main Street	N88 W15220 main Street	Menomonee Falls	53051	Waukesha	0
WIST2021	Kwiky Lube Plus - Port Washington	1610 N Washington St	Port Washington	53074	Ozaukee	6
WIST4048	Kwiky Lube Plus - West Bend	2353 W Washington St	West Bend	53095	Washington	3
WIST4049	LaBelle Auto	N56 W39413 Hwy 16	Oconomowoc	53066	Waukesha	0
WIST4061	Lake Country Auto Care	449 HICKORY STREET	Pewaukee	53072	Waukesha	12
WIST4014	Laubenheimer's Garage LLC	1860 Hwy 175, PO Box 36	Richfield	53076	Washington	15
WIST4032	Laus Tire & Auto	5025 W. Villard Ave.	Milwaukee	53218	Milwaukee	6
WIST4053	Liberty Street Auto	1600 Durand Ave	Racine	53404	Racine	15
WIST7146	LOMELI AUTO REPAIR	4100 W. ORCHARD ST	Milwaukee	53215	Milwaukee	9
WIST2044	Longhorn Auto Sales LLC	1214 S. 6TH ST	Milwaukee	53207	Milwaukee	9
WIST6013	Lutter's Elmbrook Automotive	16880 Greenfield Ave.	Brookfield	53005	Waukesha	6
WIST3032	M & D Auto Services	W19 N5733 Becker Dr	Lannon	53046	Waukesha	3
WIST6001	M & M Citgo	2101 Douglas Ave.	Racine	53402	Racine	3
WIST6055	M&J Auto Sales and Service	3069 State HWY 83	Hartford	53027	Washington	15
WIST8033	M&M Citgo	2101 Douglas Ave	Racine	53402	Racine	15
WIST6064	M&M Complete Auto Care	5620 West Center Street	Milwaukee	53210	Milwaukee	9
WIST4072	M&N AUTO REPAIR	2934 W. BURNHAM ST	Milwaukee	53215	Milwaukee	9
WIST6021	Maddison Automotive	210 N. Wales Rd.	Wales	53183	Waukesha	12
WIST7120	Manyo Motors	4035 N Green Bay Avenue	Milwaukee	53212	Milwaukee	6
WIST4057	Marks Mobil Service LLC	12401 W. Cleveland Ave.	New Berlin	53151	Waukesha	0
WIST6026	Martin Ford	19215 Spring St	Union Grove	53182	Racine	15
WIST3006	Martin's Automotive Services	W230 S8750 Wynn Dr	Big Bend	53103	Waukesha	3
WIST6063	Matt's Foreign Car Specialist	5519 W. VILET ST	Milwaukee	53208	Milwaukee	9
WIST5053	Mayer Automotive LLC.	W6082 Hwy W	Cascade	53011	Sheboygan	15
WIST4060	McDevitts Towing and Service	5150 60th Street	Kenosha	53144	Kenosha	12
WIST2031	Meineke - Racine	6006 21ST STREET	Racine	53406	Racine	0
WIST4042	Meineke Car Care Center	4320 S 27TH ST	Milwaukee	53221	Milwaukee	9
WIST5077	Menomonee Falls Super Lube	W156 N8390 Pilgrim Rd	Menomonee Falls	53051	Waukesha	0
WIST3030	Merlin 200,000 Mile Shop	8601 75th St.	Kenosha	53142	Kenosha	15
WIST7103	Meyer Motors Inc.	107 Plaza Lane	Plymouth	53073	Sheboygan	15
WIST7150	MIDWEST AUTO AND SERVICES	1711 W. CENTER ST	Milwaukee	53206	Milwaukee	6
WIST6043	Mil-City Motors	7169 W. Fond Du Lac Ave	Milwaukee	53218	Milwaukee	6
WIST5090	Montez Auto Repair LLC	11321 W. Greenfield AVE	West Allis	53214	Milwaukee	6
WIST4062	Muffler Magic - 76th Street (AAMCO)	9055 N 76th	Milwaukee	53223	Milwaukee	9
WIST7094	Muskego Tire & Auto	S73 W16610 Janesville Rd	Muskego	53150	Waukesha	18

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WIST8004	National Auto Tech	630 W. National Ave	Milwaukee	53204	Milwaukee	12
WIST7095	National Complete Auto Care	16405 W. National Ave.	New Berlin	53151	Waukesha	15
WIST7014	Oak Creek Automotive Inc.	7948 S. 27th St.	Oak Creek	53154	Milwaukee	12
WIST6058	O'Gorman's West Town Auto	7105 W. North Ave.	Wauwatosa	53213	Milwaukee	6
WIST5094	Oil Changers - Jackson	W213N16770 GLEN BROOKE DR	Jackson	53037	Washington	12
WIST1034	Oil Changers - Main Street	N88 W15220 MAIN ST	MENOMONEE FALLS	53051	Waukesha	24
WIST1032	Oil Changers - Menomonee Falls	W156 N8390 PILGRIM RD	MENOMONEE FALLS	53095	Waukesha	24
WIST8030	Oil Changers - Port Washington	1610 N. WISCONSIN STREET	Port Washington	53074	Ozaukee	24
WIST8029	Oil Changers - Wales	120 W. SUMMIT AVE	Wales	53183	Waukesha	15
WIST1033	Oil Changers - West Bend	2353 W WASHINGTON ST	West Bend	53095	Washington	12
WIST0000	Opus Inspections	5470 S. Westridge Dr.	New Berlin	53151	Waukesha	0
WIST5029	Palmen Buick, GMC, Cadillac	7110 74th Place	Kenosha	53142	Kenosha	30
WIST7004	Passehl's BP	4625 Taylor Ave.	Racine	53405	Racine	3
WIST6018	Paul's Bender Center	8313 22nd Ave.	Kenosha	53143	Kenosha	15
WIST7033	Pinkalla Auto Solutions	3059 Durand Ave.	Racine	53403	Racine	15
WIST7144	Precision Auto Diesel	W395N5700 Frontier RD	Oconomowoc	53066	Waukesha	15
WIST1031	Prime Auto Sales & Service	1502 West Oklahoma Ave	Milwaukee	53215	Milwaukee	9
WIST5100	Pro Auto Sales & Service	303 E. Monroe Ave.	Hartford	53027	Washington	15
WIST4031	R & R Automotive	6930 39th Ave.	Kenosha	53142	Kenosha	15
WIST8008	R.K. Motors	3700 N Holton St	Milwaukee	53212	Milwaukee	6
WIST7036	Racine Auto Specialist	2320 Douglas Ave.	Racine	53402	Racine	15
WIST5097	Rapid Automotive Center LLC	3101 Rapid Drive	Racine	53404	Racine	12
WIST7149	RC Automotive	7419 West Bradley RD	Milwaukee	53223	Milwaukee	6
WIST4071	Reflections Details	6115 N Flint Rd.	Glendale	53209	Milwaukee	12
WIST1039	REIS AUTOMOTIVE - GREENFIELD	4100 W. LOOMIS RD	Greenfield	53221	Milwaukee	9
WIST5098	REIS AUTOMOTIVE - HALES CORNERS	5381 S. 108TH ST	HALES CORNERS	53130	Milwaukee	6
WIST7039	Richfield Service	1810 Wolf Rd	Richfield	53076	Washington	15
WIST4050	Rick's Car Care	6121 W Mequon Rd	Mequon	53092	Ozaukee	30
WIST3035	Righteous Auto	6142 Douglas Ave	Racine	53402	Racine	15
WIST2029	Road Runner Express	5275 S.Moorland Rd	New Berlin	53151	Waukesha	0
WIST5058	Ruby Isle Auto	11137 W. Silver Spring Dr.	Milwaukee	53225	Milwaukee	9
WIST5003	Russ Darrow Chrysler Jeep Dodge	10901 West Metro Mall	Milwaukee	53224	Milwaukee	9
WIST7009	Russ Darrow Honda - Metro Auto Mall	10851 W. Metro Auto Mall	Milwaukee	53224	Milwaukee	9
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	9
WIST2032	Russ Darrow Nissan - West Bend	2665 W Washington Ave	West Bend	53095	Washington	15
WIST7049	Russ Darrow Toyota	2700 W. Washington St.	West Bend	53095	Washington	15
WIST7006	Russ Darrow West Bend	3210 W. Washington St.	West Bend	53095	Washington	15
WIST7137	Rutters Automotive Service	7550 W. Appleton Ave	Milwaukee	53216	Milwaukee	9
WIST7011	Salem Auto Service	8515 Antioch Rd	Salem	53168	Kenosha	15
WISTT010	Sam's Auto	4315 Byrd Ave	Racine	53405	Racine	15

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WIST6070	SANFELIPPIO AUTO REPAIR LLC	646 S. 2ND ST	Milwaukee	53204	Milwaukee	3
WISTT005	Schaefer Service Center (TAC)	1130 E. Commerce Blvd	Slinger	53086	Washington	15
WIST2034	Sheboygan Auto Helpers	3667 S. TAYLOR DR.	Sheboygan	53081	Sheboygan	12
WIST5081	Sheboygan Chevrolet GMC Buick	3400 South Business Drive	Sheboygan	53081	Sheboygan	30
WIST7098	Shorewood Auto Repair	1330 E. Capitol Dr.	Shorewood	53211	Milwaukee	12
WIST7053	Silver Lake Auto Service Inc.	551 N. Cogswell Dr.	Silver Lake	53170	Kenosha	15
WIST8031	Smart Wash LLC	1155 Anderson Court	Oak Creek	53154	Milwaukee	12
WIST7055	South Milwaukee Car Care Center	1221 N. Chicago Ave.	South Milwaukee	53172	Milwaukee	15
WIST7056	Southtown Tire & Auto	2906 S. 108th St.	West Allis	53227	Milwaukee	12
WIST3044	Star Auto Repair	1717 Washington Ave	Racine	53403	Racine	15
WIST6062	Sticky Tintz	1749 BROADWAY AVE	Sheboygan	53081	Sheboygan	15
WIST2035	Tech Way	4004 S Kinnickinnic Ave	Cudahy	53235	Milwaukee	15
WIST7061	Theel Auto Inc.	N8364 County Rd J	Elkhart Lake	53020	Sheboygan	12
WIST7123	Tires Plus - Kenosha	7424 74th Place	Kenosha	53142	Kenosha	15
WIST2028	Tires Unlimited Automotive Service	1557 N. Wisconsin St.	Port Washington	53074	Ozaukee	15
WIST8028	Tom's Auto Maintenance	5240 S. 27TH ST.	Milwaukee	53222	Milwaukee	9
WIST1036	UNCLE WILLIE'S AUTO SERVICE	5606 W. BURNHAM ST	West Allis	53229	Milwaukee	6
WIST4068	Valet Services	7501 N. Port Washington Rd	Glendale	53217	Milwaukee	12
WIST5074	Valvoline - 68th St.	112 S. 68th St.	Milwaukee	53214	Milwaukee	0
WIST6059	Valvoline - Cudahy Packard	5506 S. Packard AVE	Cudahy	53110	Milwaukee	15
WIST6039	Valvoline - Delafield	2325 Sun Valley Dr	Delafield	53018	Waukesha	12
WIST7143	Valvoline - Grafton	992 Port Washington RD	Grafton	53024	Ozaukee	9
WIST3024	Valvoline - Greenfield	4839 S. 27th Street	Greenfield	53221	Milwaukee	9
WIST6037	Valvoline - Kenosha	3015 52nd St	Kenosha	53144	Kenosha	15
WIST7130	Valvoline - Layton	8008 W Layton Ave	Greenfield	53220	Milwaukee	0
WIST2041	Valvoline - Pewaukee	1812 Silvernail Raod	Pewaukee	53072	Waukesha	12
WIST4054	Valvoline - Plymouth	1950 Eastern Ave	Plymouth	53073	Sheboygan	30
WIST7126	Valvoline - Racine	5920 21st St	Racine	53405	Racine	15
WIST3034	Valvoline - Sussex	N65 W24922 HIGHWAY VV	Sussex	53089	Waukesha	9
WIST2024	Valvoline - Waukesha	1951 E Main St	Waukesha	53186	Waukesha	12
WIST5089	Valvoline - West Bend	2795 E. Washington st	West Bend	53095	Washington	15
WIST1022	VI Auto Repair	1522 Wisconsin AVE	Grafton	53024	Ozaukee	15
WIST7068	Wales Super Lube #421	120 W. Summit Ave	Wales	53183	Waukesha	0
WIST6067	Waterford Automotive	404 E. DIVISION ST.	Waterford	53185	Racine	15
WIST7070	Weissman Automotive	W140 N10455 Fond du Lac Ave.	Germantown	53022	Washington	15
WIST7106	Wilde Toyota	3225 S. 108 St.	West Allis	53227	Milwaukee	6
WIST7073	Wilmot Auto Service Inc.	11307 Fox River Rd	Wilmot	53192	Kenosha	15
WIST1021	WISCO Automotive	925 Milwaukee Ave	Burlington	53105	Racine	15
WIST7075	Wisconsin Muffler - New Berlin	13320 W. College Ave.	New Berlin	53151	Waukesha	15
WIST1111	WISDOT	1001 West St. Paul Ave	Milwaukee	53233	Milwaukee	0
WIST7076	WJ Kuhn Automotive Center Inc.	8511 S. Howell Ave.	Oak Creek	53154	Milwaukee	12
WIST2046	ZARATE' AUTO SALES	S91W22945 MILWAUKEE AVE	BIG BEND	53103	Waukesha	15

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WIST2039	Zwekabin Automotive Service	3611 W. State St	Milwaukee	53208	Milwaukee	9