BRIAN W. BENNION, M.P.A., L.E.H.S.
Health Officer/Executive Director

WEBER-MORGAN
HEALTH DEPARTMENT

July 6, 2015

Greg Davis
EPA Region 8 Mobile Sources Program Manager
Mailcode: 8P-AR
1595 Wynkoop Street
Denver, CO 80202-1129

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Wastewater Unit

Mr. Davis:

Enclosed you will find Weber County, Utah's 2014 EPA Report. Please let me know if you have any questions or comments.

Sincerely,

Elaine Wendt
I/M Lead Auditor
477 23rd Street
Ogden, UT 84401
801-399-7141
ewendt@co.weber.ut.us

40 CFR Part 51 - Subpart S Inspection/Maintenance Program Requirements
51.366 - Data Analysis and Reporting Requirements

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(a) Test Data Report The program shall submit to EPA by July of each year a report providing basic statistics on the testing program for January through December of the previous year, including:	**Weber County, UT 2014**	
(1) The number of vehicles tested by model year and vehicle type;	See Attached	
(2) By model year and vehicle type, the number and percentage of vehicles:	See Attached	
(i) Failing initially, per test type;	See Attached	
(ii) Failing the first retest per test type;	See Attached	
(iii) Passing the first retest per test type;	See Attached	
(iv) Initially failed vehicles passing the second or subsequent retest per test type;	See Attached	
(v) Initially failed vehicles receiving a waiver; and	2	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(vi) Vehicles with no known final outcome (regardless of reason). *(vii)-(x) [Reserved]*	See Attached	
(xi) Passing the on-board diagnostic check;	See Attached	
(xii) Failing the on-board diagnostic check;	See Attached	
(xiii) Failing the on-board diagnostic check and passing the tailpipe test (if applicable);	See Attached	
(xiv) Failing the on-board diagnostic check and failing the tailpipe test (if applicable);	See Attached	
(xv) Passing the on-board diagnostic check and failing the I/M gas cap evaporative system test (if applicable);	See Attached	
(xvi) Failing the on-board diagnostic check and passing the I/M gas cap evaporative system test (if applicable);	See Attached	
(xvii) Passing both the on-board diagnostic check and I/M gas cap evaporative system test (if applicable);	See Attached	
(xviii) Failing both the on-board diagnostic check and I/M gas cap evaporative system test (if applicable);	See Attached	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(xix) MIL is commanded on and no codes are stored;	See Attached	
(xx) MIL is not commanded on and codes are stored;	See Attached	
(xxi) MIL is commanded on and codes are stored;	See Attached	
(xxii) MIL is not commanded on and codes are not stored;	See Attached	
(xxiii) Readiness status indicates that the evaluation is not complete for any module supported by on-board diagnostic systems;	See Attached	
(3) The initial test volume by model year and test station;	See Attached	
(4) The initial test failure rate by model year and test station; and	See Attached	
(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.	Data not available	
(b) Quality assurance report. The program shall submit to EPA by July of each year a report providing basic statistics on the quality assurance program for January through December of the previous		

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
year, including:		
(1) The number of inspection stations and lanes:	118	
(i) Operating throughout the year; and	118	
(2) The number of inspection stations and lanes operating throughout the year:	115, one station has two lanes	
(i) Receiving overt performance audits in the year;	690 audits, 1 per station every two months	
(ii) Not receiving overt performance audits in the year;	0	
(iii) Receiving covert performance audits in the year;	93	
(iv) Not receiving covert performance audits in the year; and	6 (Fleet facilities did not have covert audits performed)	
(v) That have been shut down as a result of overt performance audits;	0	
(3) The number of covert audits:		
(i) Conducted with the vehicle set to fail per test type;	93	
(ii) Conducted with the vehicle set to fail any combination of two or more test types;	0	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(iii) Resulting in a false pass per test type;	39	
(iv) Resulting in a false pass for any combination of two or more test types;	0	
(4) The number of inspectors and stations:		
(i) That were suspended, fired, or otherwise prohibited from testing as a result of covert audits;	7 stations and 2 testers were suspended, 2 revoked testers, 31 stations (1 station closed) and 35 testers issued a formal warning letter based on their history of violations.	
(ii) That were suspended, fired, or otherwise prohibited from testing for other causes; and	0	
(iii) That received fines;	37 testers were required to pay $25 to attend the I/M Department's retraining class, which is required after a tester is found to be in violation of the I/M Regulation.	
(5) The number of inspectors licensed or certified to conduct testing;	580	
(6) The number of hearings:	3	
(i) Held to consider adverse actions against inspectors and stations; and	3	
(ii) Resulting in adverse actions against inspectors and stations;	3 station and tester suspensions/revocations were upheld	
(7) The total amount collected in fines from inspectors and	Overt Audits – Stations $0, Testers, $0	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
stations by type of violation;	Covert Audits – Stations, $0.00, Testers. $0.00	
(8) The total number of covert vehicles available for undercover audits over the year; and	2	
(9) The number of covert auditors available for undercover audits.	1	
(c) Quality control report The program shall submit to EPA by July of each year a report providing basic statistics on the quality control program for January through December of the previous year, including:		
(1) The number of emission testing sites and lanes in use in the program;	118	
(2) The number of equipment audits by station and lane;	684 audits, 1 per station every two months	
(3) The number and percentage of stations that have failed equipment audits; and	7 equipment audit failures	
(4) Number and percentage of stations and lanes shut down as a result of equipment audits.	5 stations were immediately locked out of tailpipe testing, but were able to continue to perform tests on OBD vehicles.	
(d) Enforcement report.		

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(1) All varieties of enforcement programs shall, at a minimum, submit to EPA by July of each year a report providing basic statistics on the enforcement program for January through December of the previous year, including:		
(i) An estimate of the number of vehicles subject to the inspection program, including the results of an analysis of the registration data base;	136,000	
(ii) The percentage of motorist compliance based upon a comparison of the number of valid final tests with the number of subject vehicles;	Not currently available	
(iii) The total number of compliance documents issued to inspection stations;	140,050	
(iv) The number of missing compliance documents;	0	
(v) The number of time extensions and other exemptions granted to motorists; and	None by the Weber-Morgan Health Dept., extensions are handled by the DMV	
(vi) The number of compliance surveys conducted, number of vehicles surveyed in each, and the compliance rates found.	N/A	
(2) Registration denial based enforcement programs shall provide the following additional information:	N/A	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(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; and	Weber County is currently working with the Utah State Tax Commission and the other I/M counties in Utah to develop a tracking mechanism.	
(ii) The number of registration file audits, number of registrations reviewed, and compliance rates found in such audits.	N/A	
(3) Computer-matching based enforcement programs shall provide the following additional information:	N/A	
(i) The number and percentage of subject vehicles that were tested by the initial deadline, and by other milestones in the cycle;	N/A	
(ii) A report on the program's efforts to detect and enforce against motorists falsely changing vehicle classifications to circumvent program requirements, and the frequency of this type of activity; and	N/A	
(iii) The number of enforcement system audits, and the error rate found during those audits.	N/A	
(4) Sticker-based enforcement systems shall provide the following additional information:	N/A	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(i) A report on the program's efforts to prevent, detect, and enforce against sticker theft and counterfeiting, and the frequency of this type of activity;	N/A	
(ii) A report on the program's efforts to detect and enforce against motorists falsely changing vehicle classifications to circumvent program requirements, and the frequency of this type of activity; and	N/A	
(iii) The number of parking lot sticker audits conducted, the number of vehicles surveyed in each, and the noncompliance rate found during those audits.	N/A	
(e) Additional reporting requirements. In addition to the annual reports in paragraphs (a) through (d) of this section, programs shall submit to EPA by July of every other year, biennial reports addressing:		
(1) Any changes made in 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; and		
(2) Any weaknesses or problems identified in the program within the two-year reporting period, what steps have already been taken to correct those problems, the results of those	We are still trying to track vehicles with no known outcome. We have been working with the Utah State Tax Commission, Weber State University and other I/M	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
steps, and any future efforts planned.	Counties in Utah to develop a tracking mechanism.	

EPA Summary Report

Report data for starting from 1/1/2014 through 12/31/2014

135711	(1) The number of vehicles tested by model year and vehicle type				
	Total Vehicles Tested				
	135711	Vehicles Tested	Sub Totals	% of Total Vehicle Tested	Program
			114034	% 84.03	OBD
			21825	% 16.08	TSI
			0	% 0	Diesel
			9	% 0.01	Other

8610	(2i) Failing Initially per test type		
% 6.34	of Failing Initially		
	Subtotals	%	Program
	5831	% 5.11	OBD
	2779	% 12.73	TSI
	0	% 0	Diesel
	0	% 0	Other

1183	(2ii) Failing the first retest per test type		
% 13.74	of Failing Initially		
	Subtotals	%	Program
	543	% 9.31	OBD
	639	% 22.99	TSI
	0	% 0	Diesel
	1	% 0	Other

1439	(2xv) Passing the OBD check and failing the I/M gas cap test
% 1.26	of Total OBD Vehicles Tested

4772	(2xvi) Failing the OBD check and passing the gas cap test
% 4.18	of Total OBD Vehicles Tested

32626	(2xvii) Passing both the OBD check and the gas cap test
% 28.61	of Total OBD Vehicles Tested

6720	(2iii) Passing the first retest per test type		
% 78.05	of Failing Initially		
	Subtotals	%	Program
	4661	% 79.93	OBD
	2059	% 74.09	TSI
	0	% 0	Diesel
	0	% 0	Other

987	(2iv) Initially failed vehicles passing the		
% 11.46	of Failing Initially		
	Subtotals	%	Program
	474	% 8.13	OBD
	513	% 18.46	TSI
	0	% 0	Diesel
	0	% 0	Other

314	(2xviii) Failing both the OBD check and the gas cap test
% 0.28	of Total OBD Vehicles Tested

3705	(2xix) MIL On and No DTCS stored
% 3.25	of Total OBD Vehicles Tested

9939	(2xx) MIL Off and DTCS stored
% 8.72	of Total OBD Vehicles Tested

1242	(2vi) Vehicles with no known final outcome		
% 14.43	of Failing Initially		
	Subtotals	%	Program
	792	% 13.58	OBD
	450	% 16.19	TSI
	0	% 0	Diesel
	0	% 0	Other

116724	(2xi) Passing the OBD test
% 102.36	of Total OBD Vehicles Tested

6568	(2xii) Failing the On-Board Diagnostic check
% 5.76	of Total OBD Vehicles Tested

3596	(2xxi) MIL On and DTCS stored
% 3.15	of Total OBD Vehicles Tested

114908	(2xxii) MIL Off and No DTCS stored
% 100.77	of Total OBD Vehicles Tested

7372	(2xxiii) Not Ready for the OBD test
% 6.46	of Total OBD Vehicles Tested

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1. Vehicles Tested

Report data for starting from 1/1/2014 through 12/31/2014

Model Year	Passenger Car	Light Duty Truck	Heavy Duty Truck	TOTAL
1968	19	18	0	37
1969	10	14	0	24
1970	12	15	0	27
1971	13	31	2	46
1972	16	37	0	53
1973	17	30	4	51
1974	8	24	1	33
1975	10	34	4	48
1976	16	46	9	71
1977	17	69	15	101
1978	29	70	15	114
1979	43	72	12	127
1980	21	40	5	66
1981	26	43	8	77
1982	22	40	19	81
1983	38	59	14	111
1984	66	125	22	213
1985	122	192	28	342
1986	153	285	14	452
1987	162	229	29	420
1988	240	329	29	598
1989	338	505	26	869
1990	499	501	21	1021
1991	613	607	18	1238
1992	781	761	28	1570
1993	1025	1019	31	2075
1994	1352	1401	46	2799
1995	1797	1626	38	3461
1996	2004	1528	36	3568
1997	2740	2269	42	5051
1998	3099	2290	32	5421
1999	3614	2966	55	6635
2000	4358	3220	43	7621
2001	4499	3468	26	7993
2002	4973	3717	31	8721
2003	5270	3768	31	9069
2004	5157	4102	29	9288
2005	5911	4155	26	10092
2006	5941	4166	43	10150
2007	5851	4145	26	10022
2008	4966	3515	22	8503
2009	465	298	2	765
2010	3503	2513	7	6023
2011	549	550	7	1106
2012	4495	3188	7	7690
2013	863	492	0	1355
2014	294	192	0	486
2015	17	10	0	27
TOTAL	76034	58774	903	135711

2I. Vehicles Failing Initially

Report data for test type: ALL starting from 1/1/2014 through 12/31/2014

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed
1968	19	5	26.32	18	2	11.11	0	0	0	37	7	18.92
1969	10	6	60	14	3	21.43	0	0	0	24	9	37.5
1970	12	2	16.67	15	4	26.67	0	0	0	27	6	22.22
1971	13	4	30.77	31	7	22.58	2	2	100	46	13	28.26
1972	16	4	25	37	6	16.22	0	0	0	53	10	18.87
1973	17	2	11.76	30	7	23.33	4	0	0	51	9	17.65
1974	8	1	12.5	24	3	12.5	1	0	0	33	4	12.12
1975	10	1	10	34	3	8.82	4	2	50	48	6	12.5
1976	16	4	25	46	12	26.09	9	2	22.22	71	18	25.35
1977	17	2	11.76	69	15	21.74	15	5	33.33	101	22	21.78
1978	29	3	10.34	70	10	14.29	15	2	13.33	114	15	13.16
1979	43	10	23.26	72	14	19.44	12	1	8.33	127	25	19.69
1980	21	1	4.76	40	6	15	5	0	0	66	7	10.61
1981	26	8	30.77	43	7	16.28	8	3	37.5	77	18	23.38
1982	22	3	13.64	40	19	47.5	19	3	15.79	81	25	30.86
1983	38	11	28.95	59	20	33.9	14	1	7.14	111	32	28.83
1984	66	15	22.73	125	47	37.6	22	6	27.27	213	68	31.92
1985	122	36	29.51	192	60	31.25	28	12	42.86	342	108	31.58
1986	153	28	18.3	285	93	32.63	14	4	28.57	452	125	27.65
1987	162	25	15.43	229	74	32.31	29	6	20.69	420	105	25
1988	240	40	16.67	329	72	21.88	29	7	24.14	598	119	19.9
1989	338	61	18.05	505	89	17.62	26	5	19.23	869	155	17.84
1990	499	84	16.83	501	77	15.37	21	2	9.52	1021	163	15.96
1991	613	110	17.94	607	82	13.51	18	0	0	1238	192	15.51
1992	781	125	16.01	761	100	13.14	28	1	3.57	1570	226	14.39
1993	1025	140	13.66	1019	154	15.11	31	1	3.23	2075	295	14.22
1994	1352	164	12.13	1401	199	14.2	46	7	15.22	2799	370	13.22
1995	1797	198	11.02	1626	210	12.92	38	3	7.89	3461	411	11.88
1996	2004	209	10.43	1528	232	15.18	36	4	11.11	3568	445	12.47
1997	2740	302	11.02	2269	319	14.06	42	4	9.52	5051	625	12.37
1998	3099	324	10.45	2290	307	13.41	32	1	3.13	5421	632	11.66
1999	3614	370	10.24	2966	297	10.01	55	7	12.73	6635	674	10.16
2000	4358	434	9.96	3220	301	9.35	43	0	0	7621	735	9.64
2001	4499	403	8.96	3468	335	9.66	26	3	11.54	7993	741	9.27
2002	4973	264	5.31	3717	158	4.25	31	0	0	8721	422	4.84
2003	5270	231	4.38	3768	169	4.49	31	0	0	9069	400	4.41
2004	5157	210	4.07	4102	142	3.46	29	0	0	9288	352	3.79
2005	5911	205	3.47	4155	103	2.48	26	0	0	10092	308	3.05
2006	5941	180	3.03	4166	95	2.28	43	0	0	10150	275	2.71
2007	5851	124	2.12	4145	67	1.62	26	0	0	10022	191	1.91
2008	4966	92	1.85	3515	45	1.28	22	1	4.55	8503	138	1.62
2009	465	10	2.15	298	3	1.01	2	0	0	765	13	1.7
2010	3503	34	0.97	2513	17	0.68	7	1	14.29	6023	52	0.86
2011	549	1	0.18	550	0	0	7	0	0	1106	1	0.09
2012	4495	18	0.4	3188	16	0.5	7	0	0	7690	34	0.44
2013	863	8	0.93	492	1	0.2	0	0	0	1355	9	0.66
2014	294	0	0	192	0	0	0	0	0	486	0	0
2015	17	0	0	10	0	0	0	0	0	27	0	0
TOTAL	76034	4512	5.93	58774	4002	6.81	903	96	10.63	135711	8610	6.34

2II. Vehicles Failing First Retest Test by Type

Report data for test type : ALL starting from 1/1/2014 through 12/31/2014

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	TestFailed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed
1968	5	0	0	2	0	0	0	0	0	7	0	0
1969	6	1	16.67	3	1	33.33	0	0	0	9	2	22.22
1970	2	1	50	4	0	0	0	0	0	6	1	16.67
1971	4	2	50	7	1	14.29	2	1	50	13	4	30.77
1972	4	2	50	6	1	16.67	0	0	0	10	3	30
1973	2	0	0	7	1	14.29	0	0	0	9	1	11.11
1974	1	0	0	3	0	0	0	0	0	4	0	0
1975	1	0	0	3	1	33.33	2	0	0	6	1	16.67
1976	4	1	25	12	4	33.33	2	0	0	18	5	27.78
1977	2	1	50	15	4	26.67	5	0	0	22	5	22.73
1978	3	0	0	10	0	0	2	0	0	15	0	0
1979	10	3	30	14	4	28.57	1	0	0	25	7	28
1980	1	1	100	6	2	33.33	0	0	0	7	3	42.86
1981	8	0	0	7	3	42.86	3	1	33.33	18	4	22.22
1982	3	0	0	19	8	42.11	3	0	0	25	8	32
1983	11	4	36.36	20	6	30	1	0	0	32	10	31.25
1984	15	3	20	47	16	34.04	6	1	16.67	68	20	29.41
1985	36	8	22.22	60	21	35	12	4	33.33	108	33	30.56
1986	28	6	21.43	93	29	31.18	4	1	25	125	36	28.8
1987	25	6	24	74	23	31.08	6	1	16.67	105	30	28.57
1988	40	18	45	72	22	30.56	7	1	14.29	119	41	34.45
1989	61	14	22.95	89	14	15.73	5	0	0	155	28	18.06
1990	84	22	26.19	77	17	22.08	2	0	0	163	39	23.93
1991	110	27	24.55	82	21	25.61	0	0	0	192	48	25
1992	125	42	33.6	100	15	15	1	1	100	226	58	25.66
1993	140	36	25.71	154	37	24.03	1	0	0	295	73	24.75
1994	164	45	27.44	199	29	14.57	7	1	14.29	370	75	20.27
1995	198	43	21.72	210	42	20	3	1	33.33	411	86	20.92
1996	209	23	11	232	25	10.78	4	0	0	445	48	10.79
1997	302	25	8.28	319	37	11.6	4	0	0	625	62	9.92
1998	324	30	9.26	307	45	14.66	1	0	0	632	75	11.87
1999	370	38	10.27	297	22	7.41	7	0	0	674	60	8.9
2000	434	45	10.37	301	27	8.97	0	0	0	735	72	9.8
2001	403	28	6.95	335	25	7.46	3	0	0	741	53	7.15
2002	264	19	7.2	158	13	8.23	0	0	0	422	32	7.58
2003	231	22	9.52	169	21	12.43	0	0	0	400	43	10.75
2004	210	22	10.48	142	11	7.75	0	0	0	352	33	9.38
2005	205	19	9.27	103	5	4.85	0	0	0	308	24	7.79
2006	180	14	7.78	95	6	6.32	0	0	0	275	20	7.27
2007	124	11	8.87	67	3	4.48	0	0	0	191	14	7.33
2008	92	9	9.78	45	4	8.89	1	0	0	138	13	9.42
2009	10	2	20	3	0	0	0	0	0	13	2	15.38
2010	34	1	2.94	17	1	5.88	1	1	100	52	3	5.77
2011	1	1	100	0	0	0	0	0	0	1	1	100
2012	18	4	22.22	16	2	12.5	0	0	0	34	6	17.65
2013	8	0	0	1	1	100	0	0	0	9	1	11.11
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4512	599	13.28	4002	570	14.24	96	14	14.58	8610	1183	13.74

2iii. Vehicles Passing the First Retest Report

Report data for test type: ALL starting from 1/1/2014 through 12/31/2014

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed
1968	5	3	60	2	2	100	0	0	0	7	5	71.43
1969	6	3	50	3	2	66.67	0	0	0	9	5	55.56
1970	2	1	50	4	2	50	0	0	0	6	3	50
1971	4	2	50	7	5	71.43	2	1	50	13	8	61.54
1972	4	0	0	6	3	50	0	0	0	10	3	30
1973	2	1	50	7	3	42.86	0	0	0	9	4	44.44
1974	1	0	0	3	3	100	0	0	0	4	3	75
1975	1	0	0	3	1	33.33	2	2	100	6	3	50
1976	4	2	50	12	4	33.33	2	2	100	18	8	44.44
1977	2	2	100	15	10	66.67	5	3	60	22	15	68.18
1978	3	4	133.33	10	6	60	2	3	150	15	13	86.67
1979	10	5	50	14	9	64.29	1	0	0	25	14	56
1980	1	0	0	6	4	66.67	0	0	0	7	4	57.14
1981	8	8	100	7	4	57.14	3	2	66.67	18	14	77.78
1982	3	1	33.33	19	9	47.37	3	2	66.67	25	12	48
1983	11	5	45.45	20	14	70	1	1	100	32	20	62.5
1984	15	13	86.67	47	27	57.45	6	5	83.33	68	45	66.18
1985	36	21	58.33	60	33	55	12	8	66.67	108	62	57.41
1986	28	16	57.14	93	57	61.29	4	3	75	125	76	60.8
1987	25	15	60	74	45	60.81	6	5	83.33	105	65	61.9
1988	40	18	45	72	50	69.44	7	5	71.43	119	73	61.34
1989	61	49	80.33	89	61	68.54	5	5	100	155	115	74.19
1990	84	58	69.05	77	58	75.32	2	2	100	163	118	72.39
1991	110	65	59.09	82	57	69.51	0	0	0	192	122	63.54
1992	125	74	59.2	100	77	77	1	1	100	226	152	67.26
1993	140	97	69.29	154	106	68.83	1	1	100	295	204	69.15
1994	164	109	66.46	199	163	81.91	7	5	71.43	370	277	74.86
1995	198	146	73.74	210	159	75.71	3	2	66.67	411	307	74.7
1996	209	161	77.03	232	186	80.17	4	4	100	445	351	78.88
1997	302	242	80.13	319	270	84.64	4	4	100	625	516	82.56
1998	324	272	83.95	307	241	78.5	1	1	100	632	514	81.33
1999	370	305	82.43	297	264	88.89	7	6	85.71	674	575	85.31
2000	434	356	82.03	301	257	85.38	0	0	0	735	613	83.4
2001	403	347	86.1	335	283	84.48	3	3	100	741	633	85.43
2002	264	212	80.3	158	122	77.22	0	0	0	422	334	79.15
2003	231	176	76.19	169	131	77.51	0	0	0	400	307	76.75
2004	210	175	83.33	142	123	86.62	0	0	0	352	298	84.66
2005	205	164	80	103	94	91.26	0	0	0	308	258	83.77
2006	180	145	80.56	95	73	76.84	0	0	0	275	218	79.27
2007	124	105	84.68	67	60	89.55	0	0	0	191	165	86.39
2008	92	72	78.26	45	33	73.33	1	1	100	138	106	76.81
2009	10	4	40	3	1	33.33	0	0	0	13	5	38.46
2010	34	29	85.29	17	17	100	1	0	0	52	46	88.46
2011	1	0	0	0	0	0	0	0	0	1	0	0
2012	18	15	83.33	16	13	81.25	0	0	0	34	28	82.35
2013	8	3	37.5	1	0	0	0	0	0	9	3	33.33
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4512	3501	77.59	4002	3142	78.51	96	77	80.21	8610	6720	78.05

2iv. Vehicles Passing the Second or Subsequent Retest Test by Type
Report data for test type: ALL starting from 1/1/2014 through 12/31/2014

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed
1968	5	0	0	2	0	0	0	0	0	7	0	0
1969	6	1	16.67	3	1	33.33	0	0	0	9	2	22.22
1970	2	1	50	4	0	0	0	0	0	6	1	16.67
1971	4	2	50	7	1	14.29	2	1	50	13	4	30.77
1972	4	1	25	6	1	16.67	0	0	0	10	2	20
1973	2	0	0	7	0	0	0	0	0	9	0	0
1974	1	0	0	3	0	0	0	0	0	4	0	0
1975	1	0	0	3	1	33.33	2	0	0	6	1	16.67
1976	4	1	25	12	3	25	2	0	0	18	4	22.22
1977	2	0	0	15	3	20	5	0	0	22	3	13.64
1978	3	0	0	10	0	0	2	0	0	15	0	0
1979	10	3	30	14	3	21.43	1	0	0	25	6	24
1980	1	1	100	6	2	33.33	0	0	0	7	3	42.86
1981	8	0	0	7	3	42.86	3	1	33.33	18	4	22.22
1982	3	0	0	19	5	26.32	3	0	0	25	5	20
1983	11	4	36.36	20	4	20	1	0	0	32	8	25
1984	15	3	20	47	10	21.28	6	1	16.67	68	14	20.59
1985	36	7	19.44	60	18	30	12	3	25	108	28	25.93
1986	28	2	7.14	93	29	31.18	4	1	25	125	32	25.6
1987	25	5	20	74	16	21.62	6	1	16.67	105	22	20.95
1988	40	12	30	72	20	27.78	7	1	14.29	119	33	27.73
1989	61	7	11.48	89	14	15.73	5	0	0	155	21	13.55
1990	84	15	17.86	77	11	14.29	2	0	0	163	26	15.95
1991	110	23	20.91	82	19	23.17	0	0	0	192	42	21.88
1992	125	34	27.2	100	13	13	1	1	100	226	48	21.24
1993	140	27	19.29	154	27	17.53	1	0	0	295	54	18.31
1994	164	29	17.68	199	24	12.06	7	1	14.29	370	54	14.59
1995	198	35	17.68	210	35	16.67	3	0	0	411	70	17.03
1996	209	21	10.05	232	22	9.48	4	0	0	445	43	9.66
1997	302	24	7.95	319	33	10.34	4	0	0	625	57	9.12
1998	324	24	7.41	307	43	14.01	1	0	0	632	67	10.6
1999	370	37	10	297	18	6.06	7	0	0	674	55	8.16
2000	434	41	9.45	301	26	8.64	0	0	0	735	67	9.12
2001	403	25	6.2	335	26	7.76	3	0	0	741	51	6.88
2002	264	13	4.92	158	10	6.33	0	0	0	422	23	5.45
2003	231	18	7.79	169	18	10.65	0	0	0	400	36	9
2004	210	18	8.57	142	11	7.75	0	0	0	352	29	8.24
2005	205	16	7.8	103	5	4.85	0	0	0	308	21	6.82
2006	180	13	7.22	95	6	6.32	0	0	0	275	19	6.91
2007	124	9	7.26	67	2	2.99	0	0	0	191	11	5.76
2008	92	8	8.7	45	3	6.67	1	0	0	138	11	7.97
2009	10	1	10	3	0	0	0	0	0	13	1	7.69
2010	34	1	2.94	17	0	0	1	0	0	52	1	1.92
2011	1	1	100	0	0	0	0	0	0	1	1	100
2012	18	4	22.22	16	2	12.5	0	0	0	34	6	17.65
2013	8	0	0	1	1	100	0	0	0	9	1	11.11
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4512	487	10.79	4002	489	12.22	96	11	11.46	8610	987	11.46

2v. Vehicles Initally Failed get a Waiver

Report data for starting from 1/1/2014 through 12/31/2014

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed
1968	19	0	0	18	0	0	0	0	0	37	0	0
1969	10	0	0	14	0	0	0	0	0	24	0	0
1970	12	0	0	15	0	0	0	0	0	27	0	0
1971	13	0	0	31	0	0	2	0	0	46	0	0
1972	16	0	0	37	0	0	0	0	0	53	0	0
1973	17	0	0	30	0	0	4	0	0	51	0	0
1974	8	0	0	24	0	0	1	0	0	33	0	0
1975	10	0	0	34	0	0	4	0	0	48	0	0
1976	16	0	0	46	0	0	9	0	0	71	0	0
1977	17	0	0	69	0	0	15	0	0	101	0	0
1978	29	0	0	70	0	0	15	0	0	114	0	0
1979	43	0	0	72	0	0	12	0	0	127	0	0
1980	21	0	0	40	0	0	5	0	0	66	0	0
1981	26	0	0	43	0	0	8	0	0	77	0	0
1982	22	0	0	40	0	0	19	0	0	81	0	0
1983	38	0	0	59	0	0	14	0	0	111	0	0
1984	66	0	0	125	0	0	22	0	0	213	0	0
1985	122	0	0	192	0	0	28	0	0	342	0	0
1986	153	0	0	285	0	0	14	0	0	452	0	0
1987	162	0	0	229	0	0	29	0	0	420	0	0
1988	240	0	0	329	0	0	29	0	0	598	0	0
1989	338	0	0	505	0	0	26	0	0	869	0	0
1990	499	0	0	501	0	0	21	0	0	1021	0	0
1991	613	0	0	607	0	0	18	0	0	1238	0	0
1992	781	0	0	761	0	0	28	0	0	1570	0	0
1993	1025	0	0	1019	0	0	31	0	0	2075	0	0
1994	1352	0	0	1401	0	0	46	0	0	2799	0	0
1995	1797	1	0.06	1626	0	0	38	0	0	3461	1	0.03
1996	2004	0	0	1528	0	0	36	0	0	3568	0	0
1997	2740	0	0	2269	0	0	42	0	0	5051	0	0
1998	3099	0	0	2290	0	0	32	0	0	5421	0	0
1999	3614	0	0	2966	0	0	55	0	0	6635	0	0
2000	4358	0	0	3220	0	0	43	0	0	7621	0	0
2001	4499	0	0	3468	0	0	26	0	0	7993	0	0
2002	4973	0	0	3717	0	0	31	0	0	8721	0	0
2003	5270	0	0	3768	0	0	31	0	0	9069	0	0
2004	5157	0	0	4102	0	0	29	0	0	9288	0	0
2005	5911	0	0	4155	0	0	26	0	0	10092	0	0
2006	5941	0	0	4166	0	0	43	0	0	10150	0	0
2007	5851	0	0	4145	1	0.02	26	0	0	10022	1	0.01
2008	4966	0	0	3515	0	0	22	0	0	8503	0	0
2009	465	0	0	298	0	0	2	0	0	765	0	0
2010	3503	0	0	2513	0	0	7	0	0	6023	0	0
2011	549	0	0	550	0	0	7	0	0	1106	0	0
2012	4495	0	0	3188	0	0	7	0	0	7690	0	0
2013	863	0	0	492	0	0	0	0	0	1355	0	0
2014	294	0	0	192	0	0	0	0	0	486	0	0
2015	17	0	0	10	0	0	0	0	0	27	0	0
TOTAL	76034	1	0	58774	1	0	903	0	0	135711	2	0

2vi.EPA_Vehicles With No Known Final Outcome
Report data starting from 1/1/2014 through 12/31/2014

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	Failed	NeverPassed	% NeverPassed	Failed	NeverPassed	% NeverPassed	Failed	NeverPassed	% NeverPassed	Failed	NeverPassed	% NeverPassed
1968	5	2	40	2	0	0	0	0	0	7	2	28.57
1969	6	2	33.33	3	0	0	0	0	0	9	2	22.22
1970	2	0	0	4	2	50	0	0	0	6	2	33.33
1971	4	1	25	7	1	14.29	2	0	0	13	2	15.38
1972	4	3	75	6	2	33.33	0	0	0	10	5	50
1973	2	2	100	7	4	57.14	0	0	0	9	6	66.67
1974	1	1	100	3	0	0	0	0	0	4	1	25
1975	1	1	100	3	1	33.33	2	0	0	6	2	33.33
1976	4	1	25	12	4	33.33	2	0	0	18	5	27.78
1977	2	1	50	15	4	26.67	5	2	40	22	7	31.82
1978	3	0	0	10	4	40	2	0	0	15	4	26.67
1979	10	2	20	14	4	28.57	1	1	100	25	7	28
1980	1	0	0	6	2	33.33	0	0	0	7	2	28.57
1981	8	0	0	7	1	14.29	3	0	0	18	1	5.56
1982	3	2	66.67	19	5	26.32	3	1	33.33	25	8	32
1983	11	3	27.27	20	4	20	1	0	0	32	7	21.88
1984	15	1	6.67	47	13	27.66	6	0	0	68	14	20.59
1985	36	9	25	60	10	16.67	12	1	8.33	108	20	18.52
1986	28	11	39.29	93	15	16.13	4	0	0	125	26	20.8
1987	25	7	28	74	18	24.32	6	0	0	105	25	23.81
1988	40	10	25	72	9	12.5	7	1	14.29	119	20	16.81
1989	61	8	13.11	89	19	21.35	5	0	0	155	27	17.42
1990	84	13	15.48	77	13	16.88	2	0	0	163	26	15.95
1991	110	28	25.45	82	10	12.2	0	0	0	192	38	19.79
1992	125	24	19.2	100	12	12	1	0	0	226	36	15.93
1993	140	19	13.57	154	22	14.29	1	0	0	295	41	13.9
1994	164	30	18.29	199	17	8.54	7	1	14.29	370	48	12.97
1995	198	26	13.13	210	22	10.48	3	1	33.33	411	49	11.92
1996	208	41	19.71	233	24	10.3	4	0	0	445	65	14.61
1997	302	50	16.56	319	30	9.4	4	0	0	625	80	12.8
1998	324	42	12.96	307	29	9.45	1	0	0	632	71	11.23
1999	370	39	10.54	297	28	9.43	7	1	14.29	674	68	10.09
2000	434	56	12.9	301	30	9.97	0	0	0	735	86	11.7
2001	403	54	13.4	335	31	9.25	3	0	0	741	85	11.47
2002	264	57	21.59	158	27	17.09	0	0	0	422	84	19.91
2003	232	44	18.97	168	21	12.5	0	0	0	400	65	16.25
2004	209	36	17.22	143	14	9.79	0	0	0	352	50	14.2
2005	205	42	20.49	103	9	8.74	0	0	0	308	51	16.56
2006	180	24	13.33	95	15	15.79	0	0	0	275	39	14.18
2007	125	16	12.8	66	6	9.09	0	0	0	191	22	11.52
2008	92	14	15.22	45	9	20	1	0	0	138	23	16.67
2009	10	5	50	3	3	100	0	0	0	13	8	61.54
2010	34	5	14.71	17	1	5.88	1	1	100	52	7	13.46
2011	1	0	0	0	0	0	0	0	0	1	0	0
2012	18	0	0	16	1	6.25	0	0	0	34	1	2.94
2013	8	4	50	1	0	0	0	0	0	9	4	44.44
TOTAL	4512	736	16.31	4002	496	12.39	96	10	10.42	8610	1242	14.43

2xv_xviii. Vehicles Passing/Failing OBD and or Gas Cap Test
Report data for starting from 1/1/2014 through 12/31/2014

Model	Passenger Car								
Year	TestCount	BothPassed	% BothPassed	OBDFailed	%OBDFailed	Gas CapFailed	%Gas CapFailed	BothFailed	% BothFailed
1990	1	0	0	0	0	0	0	0	0
1995	2	0	0	1	50	0	0	0	0
1996	2449	1949	79.58	247	10.09	67	2.74	19	0.78
1997	3393	2636	77.69	344	10.14	118	3.48	16	0.47
1998	3858	2988	77.45	393	10.19	132	3.42	24	0.62
1999	4472	3483	77.88	445	9.95	151	3.38	29	0.65
2000	5394	4221	78.25	535	9.92	170	3.15	30	0.56
2001	5770	4381	75.93	724	12.55	160	2.77	34	0.59
2002	5933	0	0	0	0	0	0	0	0
2003	6166	0	0	0	0	0	0	0	0
2004	5940	0	0	0	0	0	0	0	0
2005	6683	0	0	0	0	0	0	0	0
2006	6653	0	0	0	0	0	0	0	0
2007	6389	0	0	0	0	0	0	0	0
2008	5354	0	0	0	0	0	0	0	0
2009	517	0	0	0	0	0	0	0	0
2010	3742	0	0	0	0	0	0	0	0
2011	590	0	0	0	0	0	0	0	0
2012	4751	0	0	0	0	0	0	0	0
2013	914	0	0	0	0	0	0	0	0
2014	322	0	0	0	0	0	0	0	0
2015	19	0	0	0	0	0	0	0	0
TOTAL	79312	19658	24.79	2689	3.39	798	1.01	152	0.19

Light Duty Truck									
TestCount	BothPassed	% BothPassed	OBDFailed	%OBDFailed	Gas CapFailed	%Gas CapFailed	BothFailed	%BothFailed	TestCount
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
1650	1180	71.52	211	12.79	76	4.61	26	1.58	0
2532	1823	72	295	11.65	121	4.78	37	1.46	6
2693	1994	74.04	347	12.89	96	3.56	24	0.89	1
3165	2420	76.46	330	10.43	107	3.38	25	0.79	1
3464	2685	77.51	347	10.02	128	3.7	12	0.35	2
3939	2862	72.66	550	13.96	113	2.87	38	0.96	2
3834	0	0	0	0	0	0	0	0	2
3904	0	0	0	0	0	0	0	0	0
4261	0	0	0	0	0	0	0	0	0
4273	0	0	0	0	0	0	0	0	0
4156	0	0	0	0	0	0	0	0	0
4155	0	0	0	0	0	0	0	0	2
3496	0	0	0	0	0	0	0	0	1
283	0	0	0	0	0	0	0	0	0
2560	0	0	0	0	0	0	0	0	1
570	0	0	0	0	0	0	0	0	0
3169	0	0	0	0	0	0	0	0	1
491	0	0	0	0	0	0	0	0	0
198	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
52796	12964	24.55	2080	3.94	641	1.21	162	0.31	19

Heavy Duty Truck

BothPassed	%BothPassed	OBDFailed	%OBDFailed	Gas CapFailed	%Gas CapFailed	BothFailed	%BothFailed	TestCount	BothPassed
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	2	0
1	16.67	2	33.33	0	0	0	0	0	0
1	100	0	0	0	0	0	0	1	0
0	0	1	100	0	0	0	0	0	0
2	100	0	0	0	0	0	0	4	0
0	0	0	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	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	4	0
0	0	0	0	0	0	0	0	3	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
4	21.05	3	15.79	0	0	0	0	21	0

Unknown									
%BothPassed	OBDFailed	%OBDFailed	Gas CapFailed	%Gas CapFailed	BothFailed	%BothFailed	TestCount	BothPassed	%BothPassed
0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	4101	3129	76.3
0	0	0	0	0	0	0	5931	4460	75.2
0	0	0	0	0	0	0	6553	4983	76.04
0	0	0	0	0	0	0	7638	5903	77.28
0	0	0	0	0	0	0	8864	6908	77.93
0	0	0	0	0	0	0	9713	7243	74.57
0	0	0	0	0	0	0	9769	0	0
0	0	0	0	0	0	0	10071	0	0
0	0	0	0	0	0	0	10201	0	0
0	0	0	0	0	0	0	10958	0	0
0	0	0	0	0	0	0	10813	0	0
0	0	0	0	0	0	0	10549	0	0
0	0	0	0	0	0	0	8851	0	0
0	0	0	0	0	0	0	800	0	0
0	0	0	0	0	0	0	6304	0	0
0	0	0	0	0	0	0	1160	0	0
0	0	0	0	0	0	0	7922	0	0
0	0	0	0	0	0	0	1405	0	0
0	0	0	0	0	0	0	520	0	0
0	0	0	0	0	0	0	22	0	0
0	0	0	0	0	0	0	132148	32626	24.69

Total					
OBDFailed	%OBDFailed	Gas CapFailed	%Gas CapFailed	BothFailed	%BothFailed
0	0	0	0	0	0
1	50	0	0	0	0
458	11.17	143	3.49	45	1.1
641	10.81	239	4.03	53	0.89
740	11.29	228	3.48	48	0.73
776	10.16	258	3.38	54	0.71
882	9.95	298	3.36	42	0.47
1274	13.12	273	2.81	72	0.74
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
4772	3.61	1439	1.09	314	0.24

2xix. MIL Commanded On and No Codes are Stored

Report data starting from 1/1/2014 through 12/31/2014

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Unknown			Total		
Year	TestCount	Mil On & No Codes	% Mil On & No Codes	TestCount	Mil On & No Codes	% Mil On & No Codes	TestCount	Mil On & No Codes	% Mil On & No Codes	TestCount	Mil On & No Codes	% Mil On & No Codes	TestCount	Mil On & No Codes	% Mil On & No Codes
1990	1	1	100	0	0	0	0	0	0	0	0	0	1	1	100
1995	2	2	100	0	0	0	0	0	0	0	0	0	2	2	100
1996	2449	150	6.12	1650	135	8.18	0	0	0	2	2	100	4101	287	7
1997	3393	238	7.01	2532	210	8.29	6	3	50	0	0	0	5931	451	7.6
1998	3858	260	6.74	2693	281	10.43	1	0	0	1	1	100	6553	542	8.27
1999	4472	275	6.15	3165	216	6.82	1	0	0	0	0	0	7638	491	6.43
2000	5394	335	6.21	3464	246	7.1	2	0	0	4	4	100	8864	585	6.6
2001	5770	359	6.22	3939	283	7.18	2	2	100	2	2	100	9713	646	6.65
2002	5933	39	0.66	3834	28	0.73	2	0	0	0	0	0	9769	67	0.69
2003	6166	53	0.86	3904	40	1.02	0	0	0	1	1	100	10071	94	0.93
2004	5940	48	0.81	4261	37	0.87	0	0	0	0	0	0	10201	85	0.83
2005	6683	44	0.66	4273	28	0.66	0	0	0	2	2	100	10958	74	0.68
2006	6653	62	0.93	4156	29	0.7	0	0	0	4	4	100	10813	95	0.88
2007	6389	46	0.72	4155	28	0.67	2	2	100	3	3	100	10549	79	0.75
2008	5354	48	0.9	3496	20	0.57	1	0	0	0	0	0	8851	68	0.77
2009	517	9	1.74	283	6	2.12	0	0	0	0	0	0	800	15	1.88
2010	3742	23	0.61	2560	12	0.47	1	0	0	1	1	100	6304	36	0.57
2011	590	8	1.36	570	9	1.58	0	0	0	0	0	0	1160	17	1.47
2012	4751	23	0.48	3169	29	0.92	1	1	100	1	1	100	7922	54	0.68
2013	914	9	0.98	491	2	0.41	0	0	0	0	0	0	1405	11	0.78
2014	322	4	1.24	198	1	0.51	0	0	0	0	0	0	520	5	0.96
2015	19	0	0	3	0	0	0	0	0	0	0	0	22	0	0
TOTAL	79312	2036	2.57	52796	1640	3.11	19	8	42.11	21	21	100	132148	3705	2.8

2xi_xii.Vehicles Passing_Failing OBD Test-1

Report data for starting from 1/1/2014 through 12/31/2014

Model	Passenger Car					Light Duty Truck					Heavy Duty Truck					Total				
Year	TestCount	Test Passed	% Passed	Test Failed	% Failed	TestCount	Test Passed	% Passed	Test Failed	% Failed	TestCount	Test Passed	% Passed	Test Failed	% Failed	TestCount	Test Passed	% Passed	Test Failed	% Failed
1995	1	0	0	1	100	0	0	0	0	0	0	0	0	0	0	1	0	0	1	100
1996	2269	2032	89.55	237	10.45	1498	1265	84.45	233	15.55	0	0	0	0	0	3767	3297	87.52	470	12.48
1997	3105	2770	89.21	335	10.79	2312	1969	85.16	343	14.84	2	1	50	1	50	5419	4740	87.47	679	12.53
1998	3507	3151	89.85	356	10.15	2442	2099	85.95	343	14.05	1	1	100	0	0	5950	5251	88.25	699	11.75
1999	4101	3684	89.83	417	10.17	2855	2563	89.77	292	10.23	1	0	0	1	100	6957	6247	89.79	710	10.21
2000	4934	4443	90.05	491	9.95	3178	2828	88.99	350	11.01	2	2	100	0	0	8114	7273	89.64	841	10.36
2001	5034	4598	91.34	436	8.66	3356	3024	90.11	332	9.89	0	0	0	0	0	8390	7622	90.85	768	9.15
2002	5389	5099	94.62	290	5.38	3560	3396	95.39	164	4.61	1	1	100	0	0	8950	8496	94.93	454	5.07
2003	5665	5409	95.48	256	4.52	3627	3435	94.71	192	5.29	0	0	0	0	0	9292	8844	95.18	448	4.82
2004	5544	5308	95.74	236	4.26	4002	3851	96.23	151	3.77	0	0	0	0	0	9546	9159	95.95	387	4.05
2005	6308	6069	96.21	239	3.79	4026	3924	97.47	102	2.53	0	0	0	0	0	10334	9993	96.7	341	3.3
2006	6303	6106	96.87	197	3.13	3992	3894	97.55	98	2.45	0	0	0	0	0	10295	10000	97.13	295	2.87
2007	6163	6026	97.78	137	2.22	3997	3928	98.27	69	1.73	0	0	0	0	0	10160	9954	97.97	206	2.03
2008	5173	5071	98.03	102	1.97	3380	3333	98.61	47	1.39	1	0	0	1	100	8554	8404	98.25	150	1.75
2009	485	473	97.53	12	2.47	262	259	98.85	3	1.15	0	0	0	0	0	747	732	97.99	15	2.01
2010	3644	3609	99.04	35	0.96	2501	2483	99.28	18	0.72	1	1	100	0	0	6146	6093	99.14	53	0.86
2011	563	561	99.64	2	0.36	536	536	100	0	0	0	0	0	0	0	1099	1097	99.82	2	0.18
2012	4634	4611	99.5	23	0.5	3090	3073	99.45	17	0.55	0	0	0	0	0	7724	7684	99.48	40	0.52
2013	879	872	99.2	7	0.8	464	462	99.57	2	0.43	0	0	0	0	0	1343	1334	99.33	9	0.67
2014	301	301	100	0	0	183	183	100	0	0	0	0	0	0	0	484	484	100	0	0
2015	17	17	100	0	0	3	3	100	0	0	0	0	0	0	0	20	20	100	0	0
TOTAL	74019	70210	94.85	3809	5.15	49264	46508	94.41	2756	5.59	9	6	66.67	3	33.33	123292	116724	94.67	6568	5.33

2xx. MIL Commanded Off and Codes are Stored

Report data starting from 1/1/2014 through 12/31/2014

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Unknown			Total		
Year	TestCount	Mil Off & Stored Codes	% Mil Off & Stored Codes	TestCount	Mil Off & Stored Codes	% Mil Off & Stored Codes	TestCount	Mil Off & Stored Codes	% Mil Off & Stored Codes	TestCount	Mil Off & Stored Codes	% Mil Off & Stored Codes	TestCount	Mil Off & Stored Codes	% Mil Off & Stored Codes
1990	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1995	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0
1996	2449	234	9.55	1650	153	9.27	0	0	0	2	0	0	4101	387	9.44
1997	3393	338	9.96	2532	249	9.83	6	0	0	0	0	0	5931	587	9.9
1998	3858	412	10.68	2693	273	10.14	1	0	0	1	0	0	6553	685	10.45
1999	4472	515	11.52	3165	296	9.35	1	0	0	0	0	0	7638	811	10.62
2000	5394	559	10.36	3464	341	9.84	2	0	0	4	0	0	8864	900	10.15
2001	5770	656	11.37	3939	268	6.8	2	0	0	2	0	0	9713	924	9.51
2002	5933	690	11.63	3834	400	10.43	2	1	50	0	0	0	9769	1091	11.17
2003	6166	593	9.62	3904	351	8.99	0	0	0	1	0	0	10071	944	9.37
2004	5940	572	9.63	4261	358	8.4	0	0	0	0	0	0	10201	930	9.12
2005	6682	534	7.99	4274	310	7.25	0	0	0	2	0	0	10958	844	7.7
2006	6653	460	6.91	4156	312	7.51	0	0	0	4	0	0	10813	772	7.14
2007	6389	284	4.45	4155	180	4.33	2	0	0	3	0	0	10549	464	4.4
2008	5354	178	3.32	3496	126	3.6	1	1	100	0	0	0	8851	305	3.45
2009	517	22	4.26	283	12	4.24	0	0	0	0	0	0	800	34	4.25
2010	3742	49	1.31	2560	53	2.07	1	0	0	1	0	0	6304	102	1.62
2011	590	7	1.19	570	8	1.4	0	0	0	0	0	0	1160	15	1.29
2012	4751	71	1.49	3169	38	1.2	1	0	0	1	0	0	7922	109	1.38
2013	914	23	2.52	491	6	1.22	0	0	0	0	0	0	1405	29	2.06
2014	322	3	0.93	198	2	1.01	0	0	0	0	0	0	520	5	0.96
2015	19	1	5.26	3	0	0	0	0	0	0	0	0	22	1	4.55
TOTAL	79311	6201	7.82	52797	3736	7.08	19	2	10.53	21	0	0	132148	9939	7.52

2xxi. MIL Commanded On and Codes are Stored

Report data starting from 1/1/2014 through 12/31/2014

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Unknown			Total		
Year	TestCount	Mil On & Stored Codes	% Mil On & Stored Codes	TestCount	Mil On & Stored Codes	% Mil On & Stored Codes	TestCount	Mil On & Stored Codes	% Mil On & Stored Codes	TestCount	Mil On & Stored Codes	% Mil On & Stored Codes	TestCount	Mil On & Stored Codes	% Mil On & Stored Codes
1990	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1995	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0
1996	2449	130	5.31	1650	108	6.55	0	0	0	2	0	0	4101	238	5.8
1997	3393	151	4.45	2532	114	4.5	6	0	0	0	0	0	5931	265	4.47
1998	3858	163	4.22	2693	114	4.23	1	0	0	1	0	0	6553	277	4.23
1999	4472	194	4.34	3165	126	3.98	1	1	100	0	0	0	7638	321	4.2
2000	5394	247	4.58	3464	142	4.1	2	0	0	4	0	0	8864	389	4.39
2001	5770	215	3.73	3939	143	3.63	2	0	0	2	0	0	9713	358	3.69
2002	5933	246	4.15	3834	120	3.13	2	0	0	0	0	0	9769	366	3.75
2003	6166	189	3.07	3904	113	2.89	0	0	0	1	0	0	10071	302	3
2004	5940	180	3.03	4261	103	2.42	0	0	0	0	0	0	10201	283	2.77
2005	6682	171	2.56	4274	76	1.78	0	0	0	2	0	0	10958	247	2.25
2006	6653	135	2.03	4156	81	1.95	0	0	0	4	0	0	10813	216	2
2007	6389	103	1.61	4155	60	1.44	2	0	0	3	0	0	10549	163	1.55
2008	5354	62	1.16	3496	42	1.2	1	0	0	0	0	0	8851	104	1.18
2009	517	6	1.16	283	3	1.06	0	0	0	0	0	0	800	9	1.13
2010	3742	22	0.59	2560	13	0.51	1	0	0	1	0	0	6304	35	0.56
2011	590	0	0	570	0	0	0	0	0	0	0	0	1160	0	0
2012	4751	11	0.23	3169	5	0.16	1	0	0	1	0	0	7922	16	0.2
2013	914	5	0.55	491	2	0.41	0	0	0	0	0	0	1405	7	0.5
2014	322	0	0	198	0	0	0	0	0	0	0	0	520	0	0
2015	19	0	0	3	0	0	0	0	0	0	0	0	22	0	0
TOTAL	79311	2230	2.81	52797	1365	2.59	19	1	5.26	21	0	0	132148	3596	2.72

2xxii. MIL Command Off and Codes Not are Stored-1

Report data starting from 1/1/2014 through 12/31/2014

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Unknown			Total		
Year	TestCount	Mil Off & No Codes	% Mil Off & No Codes	TestCount	Mil Off & No Codes	% Mil Off & No Codes	TestCount	Mil Off & No Codes	% Mil Off & No Codes	TestCount	Mil Off & No Codes	% Mil Off & No Codes	TestCount	Mil Off & No Codes	% Mil Off & No Codes
1990	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1995	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0
1996	2449	1935	79.01	1650	1254	76	0	0	0	2	0	0	4101	3189	77.76
1997	3393	2666	78.57	2532	1959	77.37	6	3	50	0	0	0	5931	4628	78.03
1998	3858	3023	78.36	2693	2025	75.19	1	1	100	1	0	0	6553	5049	77.05
1999	4472	3488	78	3165	2527	79.84	1	0	0	0	0	0	7638	6015	78.75
2000	5394	4253	78.85	3464	2735	78.95	2	2	100	4	0	0	8864	6990	78.86
2001	5770	4540	78.68	3939	3245	82.38	2	0	0	2	0	0	9713	7785	80.15
2002	5933	4958	83.57	3834	3286	85.71	2	1	50	0	0	0	9769	8245	84.4
2003	6166	5331	86.46	3904	3400	87.09	0	0	0	1	0	0	10071	8731	86.69
2004	5940	5140	86.53	4261	3763	88.31	0	0	0	0	0	0	10201	8903	87.28
2005	6682	5933	88.79	4274	3860	90.31	0	0	0	2	0	0	10958	9793	89.37
2006	6653	5996	90.12	4156	3734	89.85	0	0	0	4	0	0	10813	9730	89.98
2007	6389	5956	93.22	4155	3887	93.55	2	0	0	3	0	0	10549	9843	93.31
2008	5354	5066	94.62	3496	3308	94.62	1	0	0	0	0	0	8851	8374	94.61
2009	517	480	92.84	283	262	92.58	0	0	0	0	0	0	800	742	92.75
2010	3742	3648	97.49	2560	2482	96.95	1	1	100	1	0	0	6304	6131	97.26
2011	590	575	97.46	570	553	97.02	0	0	0	0	0	0	1160	1128	97.24
2012	4751	4646	97.79	3169	3097	97.73	1	0	0	1	0	0	7922	7743	97.74
2013	914	877	95.95	491	481	97.96	0	0	0	0	0	0	1405	1358	96.65
2014	322	315	97.83	198	195	98.48	0	0	0	0	0	0	520	510	98.08
2015	19	18	94.74	3	3	100	0	0	0	0	0	0	22	21	95.45
TOTAL	79311	68844	86.8	52797	46056	87.23	19	8	42.11	21	0	0	132148	114908	86.95

2xxiii. Vehicles Failing the Readiness Status

Report data starting from 1/1/2014 through 12/31/2014

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Unknown			Total		
Year	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed
1990	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1995	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0
1996	2449	127	5.19	1650	123	7.45	0	0	0	2	0	0	4101	250	6.1
1997	3393	200	5.89	2532	155	6.12	6	1	16.67	0	0	0	5931	356	6
1998	3858	261	6.77	2693	163	6.05	1	0	0	1	0	0	6553	424	6.47
1999	4472	290	6.48	3165	218	6.89	1	0	0	0	0	0	7638	508	6.65
2000	5394	346	6.41	3464	211	6.09	2	0	0	4	0	0	8864	557	6.28
2001	5770	580	10.05	3939	449	11.4	2	0	0	2	0	0	9713	1029	10.59
2002	5933	542	9.14	3834	262	6.83	2	0	0	0	0	0	9769	804	8.23
2003	6166	477	7.74	3904	263	6.74	0	0	0	1	0	0	10071	740	7.35
2004	5940	381	6.41	4261	235	5.52	0	0	0	0	0	0	10201	616	6.04
2005	6682	361	5.4	4274	236	5.52	0	0	0	2	0	0	10958	597	5.45
2006	6653	326	4.9	4156	145	3.49	0	0	0	4	0	0	10813	471	4.36
2007	6389	193	3.02	4155	135	3.25	2	0	0	3	0	0	10549	328	3.11
2008	5354	163	3.04	3496	100	2.86	1	0	0	0	0	0	8851	263	2.97
2009	517	25	4.84	283	16	5.65	0	0	0	0	0	0	800	41	5.13
2010	3742	74	1.98	2560	47	1.84	1	0	0	1	0	0	6304	121	1.92
2011	590	19	3.22	570	23	4.04	0	0	0	0	0	0	1160	42	3.62
2012	4751	91	1.92	3169	53	1.67	1	0	0	1	0	0	7922	144	1.82
2013	914	26	2.84	491	26	5.3	0	0	0	0	0	0	1405	52	3.7
2014	322	13	4.04	198	14	7.07	0	0	0	0	0	0	520	27	5.19
2015	19	2	10.53	3	0	0	0	0	0	0	0	0	22	2	9.09
TOTAL	79311	4497	5.67	52797	2874	5.44	19	1	5.26	21	0	0	132148	7372	5.58

3. Initial Test Volume

Report data for starting from 1/1/2014 through 12/31/2014

Station	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
WF901																																1			2	5	2	5	2	2	1	9	4	2	1	4	1	1	42
WF904							1																							1			1	1	1		3	1	6	2	9	1	13	3	11	4	1		59
WF905														1								1		1				1		1	1	2		5	6	18		24	6	4	22	1	30	1	28				153
WF907											1										2		1	1		3	3		13	2	6	1	6	2	7	17	4	10	5	11	4		7		1				107
WR001																															1	1			1	1	1			1	2				5	1			14
WR100	1	1						1		2		1	1			2	2	5	4	4	3	3	6	11	15	14	24	30	19	36	27	30	55	46	54	49	40	52	43	32	33	2	19		10				677
WR101	1			2	2	2			2	1	1	2			2		3	6	6	6	7	8	12	13	10	16	21	21	32	26	50	42	45	45	47	45	43	35	29	31	27	1	24		18		1		685
WR103		1				1	1	1		4	1	2	1		1	2	5	4	10	5	14	7	12	14	12	28	26	37	31	46	28	43	59	49	41	55	54	42	40	40	24	3	23	1	27				795
WR107		1	1		1			2	3	3	3	1		3	3	2	4	3	4	9	8	12	10	16	13	18	25	42	27	38	39	49	37	51	46	42	43	35	37	31	25	1	12		9				709
WR112	1	1					1		3	1	1	1	3	1	2	1	1	3		5	6	10	8	21	10	20	27	36	47	43	47	80	65	79	89	102	99	126	118	124	92	10	50	5	63	7	11		1420
WR113	1				1			1		1			1		1	1		1	3	1	4	3	3	5	10	12	7	14	16	14	25	29	45	54	51	72	100	102	137	141	133	29	131	65	173	78	54	1	1520
WR114					1	1												2	3		1	4	1	5	3	9	4	8	13	7	8	9	9	10	22	11	17	14	19	12	7		3	1	7				211
WR115	1	1		1	3		1	2		4	4	3	1	1		6	1	8	8	5	8	14	17	19	24	28	43	48	49	50	49	72	69	74	65	74	80	68	63	66	53		32		37				1152
WR116										3	2	2		2	1	1	4	2	5	4	6	14	14	12	10	18	40	29	34	54	51	56	78	79	98	107	103	103	116	106	94	6	73	2	61	2			1392
WR119	1							2	1	1	3	6	3		2	1	3	6	8	4	6	8	11	11	19	15	18	22	18	33	28	38	38	33	31	32	26	21	32	26	19		13	1	10	16			566
WR121					1	2			2					1	1	1	1	2	4	1	6	4	3	6	8	7	13	14	18	23	26	29	18	28	28	26	20	32	24	17	20		8		12				406
WR126		2		1	2		1		1	1	2	2	2		1		2	4	5	2	5	9	11	9	17	9	21	20	15	28	20	34	46	38	42	40	46	48	36	39	39	19	28	13	35	1	10	6	712
WR129	1		2	1	1	1	2	1	2	1	2	1	4	3	2	3	3	10	12	9	12	23	27	25	17	34	39	60	39	67	66	82	83	105	100	94	108	96	88	63	64	1	48	3	61				1466
WR131					1					1		3		1		1	1	4	9	4	4	7	8	6	21	20	16	33	23	36	49	30	62	40	39	44	35	25	42	28	19	1	23		17				653
WR142			1			1		1	1		1	2			1		1	4	3	2	4	11	5	15	10	32	33	29	32	53	65	67	98	95	117	108	139	134	166	169	151	33	154	46	231	73	29	3	2120
WR144										1	1			1			1			1		1	2	1	2	1	2	5	5	14	8	11	8	17	7	13	8	12	8	5	3	1	1	1	2				143
WR147				1							1								2				3		1		3	4		10	2	6	6	10	16	18	28	22	36	45	48	31	50	46	70	76	22		557
WR149			3		1								1			1		1	1		2	1	6	2	2	6	2	9	16	9	4	12	13	14	16	14	15	19	20	13	15		7		4				229
WR150	1			2		2	1	1	1	1	1	1	1	5		1	2	5		8	2	10	10	9	12	12	21	22	27	39	38	40	61	44	47	46	40	47	61	59	43	6	28	2	37				796
WR152	2		1	2	2	1			1	1	7	1	5	2	2	1	2	9	8	3	5	11	11	16	14	26	33	36	36	51	85	83	98	111	100	97	102	104	112	98	73	3	43	1	53				1452
WR156		1			1											1	3	1	6	3	2	3	1	4	9	4	9	14	9	19	19	16	19	23	32	31	31	28	39	23	29	1	10	2	17				410
WR159				1	1	1	1		1	1		5		2	3	2	5	8	13	14	19	22	25	32	48	64	102	130	146	209	183	271	316	326	341	374	386	412	442	438	376	3	224	9	225	15			5196
WR162																	3		1	8	6	6	6	7	12	23	21	32	35	37	52	61	78	97	119	136	182	224	308	402	374	51	364	88	409	122	35		3299
WR164			1				1			2		1						3		5	3	2	3	3	5	7	10	10	15	28	12	12	20	28	26	24	22	22	19	9	9		6	1	4				313
WR165	1			2			2		2	2	5				2	1	3	2	7	2	5	9	14	21	27	38	41	41	42	57	64	69	102	77	93	103	84	94	94	78	49	6	37	10	36	2			1324
WR172		1								1		1			1	1	2	1	1	1	2	7	3	7	6	4	11	10	13	14	15	23	18	13	20	14	16	13	13	19	14		8		11				284
WR175				1													1	4	2	1	1		3	5	6	1	7	6	9	19	12	18	18	22	26	20	21	22	36	24	21		12		13	1			332
WR179	1				3	1		1	2		1		1	1			1	1	4	8	3	7	6	11	7	9	18	21	21	35	26	34	43	43	44	46	38	41	37	34	33	2	21	1	29				635
WR181		1			1	1				1		1							1		1	3	2	4	4	3	3	5	7	12	11	13	17	16	18	23	24	21	40	23	13	8	13	12	8	2			312
WR182	1		1		1		1		2		1	5		2	1	1		6	6	5	10	13	14	21	22	26	40	43	54	71	64	67	84	79	105	77	93	110	104	96	111	3	47	6	63	4	1		1461
WR189				3		1	1		1	1				1	1	1	1	2	1	1	2	4	5	6	7	10	5	8	6	16	10	12	10	7	9	11	14	12	10	11	9	2	5		2				208
WR190									1	1	3			1			1	5	4	2	3	3	5	4	4	12	13	16	14	17	18	22	31	37	23	29	29	24	30	38	26		18		13				447
WR194	1	1		2	1	2				1	1			3	2		4	4	5	8	5	9	14	13	15	7	14	26	21	28	29	39	27	45	45	42	35	33	37	18	23	1	14		13				588
WR196	3			1		1	1	3		3	4	4	4	1	3	3	5	6	6	4	5	9	16	13	28	28	28	41	42	64	56	61	95	79	77	67	79	75	63	58	54	2	41		44				1177
WR207											1																5	3	1	4	2	10	6	11	16	26	29	32	36	39	56	11	33	25	59	27	7		439
WR208								1		2							1	2	1	1	2	1		3	7	7	7	13	4	10	13	19	21	16	26	24	16	20	17	13	3	1	9	1	5	1			267
WR218					1			1			2					1	4		2	4	2	1	4		5	11	11	10	6	15	28	13	18	29	25	21	26	30	32	20	17	4	6		16	3			368
WR250	1	1								1	1		1					1	2	1	4	2	3	10	12	16	22	30	22	41	41	58	67	91	76	130	124	132	120	149	136	2	90	5	85	2			1479
WR251	1			3	3	5	1	2	5	8	10	13	8	1	5	3	11	18	25	17	29	58	75	92	101	113	176	176	201	250	232	301	310	309	293	286	241	217	219	148	106	2	43	2	71	1	1		4192
WR254		1			3							1		1	4	5	3	10	6	9	17	11	20	25	41	49	56	62	81	110	103	133	194	195	223	233	257	292	314	291	252	8	155	10	184	1			3360
WR259			1					1				2		1	1	2	3	7	4		13	5	9	9	9	17	11	23	18	34	39	44	42	55	49	53	71	44	40	46	40	1	17		17				728
WR260			2	2			2	2	1	1		2		1	3			4	1	6	3	5	10	5	10	16	17	19	18	29	32	36	34	54	57	62	54	44	30	22	20	1	12	1	9				627
WR267			1		1	1		1	3	2	1	4		3	2	4	4	6	5	2	8	5	8	11	19	16	19	25	26	29	32	44	35	39	28	55	41	38	36	40	30		13		21	1			659
WR280		1		1						1							3			1	1	6	4	1	4		9	5	9	6	15	10	13	7	13	7	7	13	9	5	8		2		7				168
WR304		1			1												1	1	1		2	1	3	2	1	2	12	7	9	10	13	19	33	25	27	31	37	61	64	87	101	29	82	97	131	51	39		981
WR309												1				1	1	2	1	1	3	4	1	4	4	8	13	6	8	19	12	12	24	17	39	12	27	25	19	16	17		10	1	9				317
WR310	1			1	1	1		2		1		1					2		1	5	2	5	6	4	13	11	11	25	18	32	28	36	35	37	52	61	53	43	48	40	30		20	2	22				650
WR314														1	2	1		1	1	1	3	2	1	3	3	8	8	6	11	11	17	21	28	19	33	39	28	40	42	27	33		26	2	22	1			441
WR315																1					1	1	1		1	4	6	5	4	11	9	14	11	9	14	17	16	22	31	25	19	4	11	2	18	1	1		259
WR316						1						3			1	1	1		1	1	2	3	7	4	8	6	14	11	21	24	23	29	47	42	33	60	41	52	56	45	45	4	18	2	22				628
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WR323							2					1	1	3		5	1	6	7	8	10	7	16	16	24	24	31	31	40	43	47	49	53	65	50	52	54	37	49	49	29	3	26		28				867
WR327	2			1	1			1		1	2		1	1			3	4	1	3	10	8	12	13	7	17	29	37	31	60	79	84	92	94	119	147	146	163	133	142	142	1	85	2	100				1774
WR333						1	1			1			2	1	1		1	1	5	5	4	5	5	11	16	11	22	17	33	42	44	52	59	91	81	81	98	110	114	113	93	3	83	1	82	3			1293
WR342											2	1		1			1		1	4	1	1	6	6	13	15	10	10	27	27	33	44	64	80	104	115	170	146	206	242	206	42	205	119	385	74	11		2372
WR357	1		3	2	2	3			2	4	3	3	3	2	3		6	2	9	13	15	16	13	27	26	37	27	59	59	77	77	95	81	84	73	81	69	54	67	52	36		31	1	26				1244
WR366	1									2						1				3		1	6		2	4	3	6	8	10	14	15	25	23	42	47	61	71	95	110	103	65	130	75	270	101	53	3	1350
WR374											2			2		1	3	1	3	1	3	3	10	7	9	13	21	29	24	40	32	52	55	46	72	58	51	70	60	42	26	5	11	2	17		1	1	773
WR377						1				1	1					1	8	3	5	2	2	2	7	9	8	19	20	24	32	47	57	80	104	113	156	149	168	259	317	323	352	46	344	112	534	102	13		342
WR388			1						1								1		1		1	1	2	1	3	3	7	3	6	18	34	31	32	44	62	90	80	106	114	119	116	68	142	101	227	238	142	12	180
WR394					1				1		3				2	1	4	4	5	4	2		4	8	11	15	12	28	19	30	47	44	56	64	55	54	65	79	56	62	63	2	48	2	38	5	1		895
WR395																					1			1	1	1	4	4	3	2	5	1	6	5	16	13	12	15	30	29	28	14	32	17	49	31	9		329
WR397																	1				1		1	2	3	3	7	6	2	8	13	7	16	19	15	28	39	40	45	30	43	15	59	33	61	53	16		566

302

WR402									1							1		1	1			2	1	2	1	5	9	9	6	7	17	19	19	17	19	31	27	30	26	38	38	33	3	22	2	30				417
WR403					1						1						1			3	4	2	3	8	5	2	5	5	9	11	25	26	24	44	38	30	39	19	29	21	14	11		2	1	6				389
WR406			1				1		1		1							1		1	1	2	3	5	4	4	12	12	12	13	23	27	35	33	29	27	31	22	26	21	25	15	1	19		11				419
WR407																												1		1	1	4	2	5	2	10	20	25	25	33	31	48	19	50	57	314	238	30		916
WR415																									1		3				1	2	1		1	3	4	3	4	4	4	2		1							34
WT132				2	2	2	2	1	3	3	2	2	2	2	1	5	3	8	17	11	19	32	29	49	53	67	104	163	155	237	242	292	313	365	371	415	403	504	406	424	347	10	228	3	283		1		5583
WT163						1	1	1		1	1			1	1		3	2	3	4	3	7	9	13	11	27	23	20	32	38	52	58	36	48	75	75	61	58	80	77	35	2	32	2	41				934
WT166										1							1			2		2	1	1	5	1	2	5	2	4	11	9	9	13	16	13	23	29	30	45	35		42	1	93				396
WT191			2				1			1	3	1	1			1	2	10	10	7	7	15	17	25	25	46	60	64	81	95	108	129	177	171	190	201	164	179	162	182	146	4	94	6	116				2503
WT265				2		3			1	2	1	2	1		1	1	3	6	4	8	13	24	17	20	32	39	64	74	88	119	127	184	204	212	221	264	285	335	288	292	244	10	140	8	178	2			3519
WT269									2			1		1		2	3	5	6	6	10	23	21	29	31	40	61	77	91	119	140	212	243	240	299	302	302	358	336	359	298	11	147	9	188	1			3973
WT283																			1	2		2		1	1		4	6	9	6	8	13	8	10	16	12	17	10	9	10	2		3		2				152
WT284	1			1				1	1	1		2		1			1	2	5	3	4	6	12	11	17	27	35	45	42	74	83	71	104	126	139	142	137	169	154	191	137	4	93	11	96				1949
WT306						1		1	1		1	1				2	2		7	8	13	23	19	21	29	43	65	74	69	119	122	164	167	200	204	209	221	278	224	248	226	10	132	5	151		1		3061
WT321				1					3		1						3	6	6	6	5	13	11	13	29	29	36	43	58	68	98	98	137	140	162	149	169	221	226	245	174	8	103	6	127	2			2396
WT324										1		1		2		1	1	3	2	4	5	15	6	10	13	21	22	27	27	25	35	34	38	42	41	43	44	45	33	24	13	2	11		9				600
WT336										1		2					1	3	5	5	9	9	11	12	23	39	42	68	83	108	124	146	193	207	260	336	310	374	367	415	369	14	271	9	322	5			4143
WT340															1	1	2	1	7	3	5	4	5	19	17	22	43	53	62	95	89	101	121	117	117	98	99	82	74	50	33	2	11		16				1350
WT343	2				2					1	2	3		1		1	2	2	3	5	13	27	22	24	37	62	72	96	95	137	160	160	254	243	265	255	297	294	279	293	242	9	135	5	160	3			3663
WT345			1	1		1		1		1	1				1		2	2		3	5	9	5	11	11	9	14	10	10	16	21	23	36	30	36	35	37	39	39	25	24		15	1	21	1			497
WT348					1					1									1				1	3	2	3	4	6	5	11	16	15	31	29	37	35	33	31	38	23	19	2	7		19				373
WT354	1																			1	1	2		2	2	3	10	7	9	13	9	18	22	18	21	22	22	13	19	10	6	1	2		1				235
WT355				1		1		1	1	2	2	1		1				3	3	4	2	3	4	2	9	10	10	12	10	18	12	16	13	19	25	17	13	21	24	13	11		5		3				292
WT356					1								1	1			3	2	5	2	7	4	7	11	7	8	29	21	18	20	30	41	47	35	40	31	44	47	52	36	32	1	26	3	28				640
WT363	1											1	1				2		2	2	1	8	8	5	11	15	21	17	15	29	27	34	33	36	49	35	43	28	32	16	23	3	7		7				512
WT364																										1			1		1				1		1		1										6
WT367															2		4	5	6	4	6	11	9	6	34	21	28	42	36	51	59	77	77	83	75	70	62	69	64	50	23	2	14	1	9				1000
WT368	2			1	1					1	2	2	1	1	1	4	3	7	3	6	7	16	18	27	41	48	54	61	86	115	101	171	180	204	223	243	281	313	317	347	268	22	183	14	231	2			3608
WT372		1				3	1	2	1	1	2	3	2	2		2	1	4	7	9	17	19	37	39	45	77	112	126	136	185	234	257	336	385	381	440	469	528	550	569	461	9	315	8	341	2			6119
WT375					1			1	2			1			2		1	3	3		5	6	9	10	10	12	14	14	21	33	28	42	33	30	45	32	27	21	27	19	22	1	9	2	2				488
WT379	1		2						1				1			1	1	3	2	3	5	5	7	13	19	18	25	41	33	46	62	70	69	78	80	86	73	66	66	41	31	1	16	1	23				990
WT382		1			2		3	2	1	1	1	3	1	3	2	1	7	6	15	8	10	18	26	20	34	34	54	73	86	88	115	163	176	144	171	175	188	202	224	201	137	5	104	6	108				2619
WT385									1	1				1		2	1	1	6	3	11	9	10	9	7	16	23	24	22	36	37	38	47	55	39	47	31	44	34	37	14	2	11		15				634
WT387	1						1				2						1	2	2	2		2	6	2	2	4	4	7	5	7	15	14	26	16	21	18	28	33	42	29	21		11		10	5			339
WT389						1		1	1	1	1	1	1			1	1	3	5	2	5	7	15	21	11	27	30	68	53	85	90	119	136	137	172	173	213	245	223	261	207	9	133	9	154	1			2623
WT392			1			2			1	1		6	3	2	2	4	2	9	8	7	13	18	13	28	35	25	52	65	55	67	103	111	116	109	128	119	102	99	95	78	69	2	30	3	27	3			1613
WT396		1														1			1	3		1	4	4	1	6	10	17	12	14	14	28	26	31	32	41	22	29	26	26	21	4	7	2	10	1			395
WT398		2	2	1		2		1	1	3	2	3	1	2		3	2	7	6	2	19	16	13	13	24	34	32	49	28	51	54	56	62	44	48	51	56	54	51	40	18	2	11	3	17				886
WT399	2			1	1								1			2		7	9	5	10	14	19	20	21	36	60	68	68	107	121	163	161	192	228	219	264	313	304	346	251	8	146	3	182				3352
WT400		1						1				3	1			1		4	2	4	11	12	9	23	16	29	46	56	65	101	109	140	153	168	160	134	119	103	77	75	33	4	22	1	14	2			1699
WT401													1		1			1	4		2		5	1	1	6	3	7	3	11	7	7	7	9	12	6	6	5	3	6	3	3	1	2	1				124
WT404		1								1					1		1		2	1	3	3	3	4	6	8	17	20	15	31	28	44	53	56	63	49	71	41	42	33	31	2	13		11				654
WT405									1	1	1				1	1	1	3	1	3	2	9	3	10	7	17	20	25	28	34	45	63	61	63	65	67	72	77	84	78	65	8	31	3	50	7			1007
WT409				1													1	1		1	1	1	2	1	7	4	11	11	10	17	24	28	36	24	23	15	14	11	14	10	8		1		3				280
WT410				2								1					1		3	1	1	1	2	5		7	6	7	15	22	14	25	24	29	48	45	38	38	45	27	15	3	26	1	4		1			457
WT411			1		1		4	1		1	1	1			1	1	2	6	2	7	7	6	16	9	16	22	28	43	41	45	39	56	60	61	64	66	58	43	36	32	23	4	21		8				833
WT412		1			2	3	1	2	3	5	9	5	1	2	4	2	9	12	24	20	20	40	39	37	63	79	100	124	107	147	142	191	180	187	198	180	166	151	153	93	88	9	65	3	58	3	1		2729
WT413										1													4	2	4	4	6	7	8	15	14	21	22	19	34	23	28	27	16	13	6	1	1	1	5				282
WT414									2					1			1								3	3	1	3	1	3	3	5	2	5	5	3	2	4	4	4	1	1	2		1				60
WT416																		1	2		1	5	5	4	3	4	12	12	8	20	29	21	21	23	18	23	12	15	12	8	7		1		2				269
WT418																		1			1				1	4	1	2	2	4	9	9	4	5	10	9	9	8	4	6	1		2		1				93
WT419																											1							1			2								1				5
WT420																								1	1	1		3	3	1	1	3	1	2	8	2	2	3	3										35
WT421																													1					1				1											3
TOTAL	37	24	28	45	53	51	33	48	71	99	114	125	66	76	80	107	211	344	449	414	604	878	1036	1256	1606	2125	2864	3533	3662	5164	5563	6816	7855	8231	9012	9383	9593	10398	10474	10353	8717	788	6190	1133	7913	1383	495		139500

31.

4. Initial Test Failure Rate

Report data for starting from 1/1/2014 through 12/31/2014

Station	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
WF904																																		1													1
WF905																								1							1					1												3
WF907																											1																					1
WR001																															1	1			1		1				1					1		6
WR100																				2	1			1	4		1	3	1	3	3	6	5	2	3	1	1		2		1				1		41
WR101					1					1					1			3	1	1	1		1	1		2	1	3	4	2	5	1	4	1	3		1											38
WR103		1								1		2			1	1	1	2	4	2	8	3	1	1		6	4	3	8	9	6	6	8	6	6	3	2	1	2		1							99
WR107									1		1				1	1	2		2	1	2	2	2	3	3	2	1	9	5	3	8	3	7	5	5	1	5		1									76
WR112									1									2		1		1		2	3	1	3	4	2	3	1	3	4	2		1	1	1	1	2		1			1		41
WR113																			1		1		1		4			1	4	2	3	2	3	4	1	3	7	2	5	3	4	1			3	1	56
WR114																			1					1		1		1		1	1			2		1	1	1	1								12
WR115		1			2			1		1						3		1	1	1	1		1	1		2	1	2	1	4	4	3		1					3								35
WR116										1		1		1	1		1	1			1	4	2	1	1	3	8	6	10	13	8	3	8	9	11	9	7	3	6	5	4						128
WR119								1				2			1	1	1	2	3		1		1	1	3	1	2		2	5	4	6	3	4	1	2					1						48
WR121						1										1		2						3	1	1	1	4	1	4	5	2	3		1	3	1	4					1				39
WR126		1		1													1	2	2	1	2		4	3	1	1		2	1	1	3	4	4	3	1	1	1	1									41
WR129	1								2						1	1	2	1	1	2	6	3	10	3	2	6	4	10	4	12	10	11	9	12	8	8	2	4	1	2	2				2		142
WR131																			2		1		2		1	4	3	2	2	5	9	4	6	2	5	4	1	2	1								56
WR142									1									1	1		1	2	1	2	2	8	4	1	2	5	2	5	6	6	4	3	2		2	1	1						63
WR144														1						1				1				1		3		2	1	1		2				1							14
WR147				1															1									1			1		2			1	2	1	2		4	2	2				20
WR149					1														1							1		1		1																		5
WR150										1				1			1			3		1	1	1	1	2	3	2	1	3	3	2	7	4		5	3	2	1								48
WR152	1			1							2	1	1					2	1			1		1	1	2	3	2	4	5	12	6	8	8	5	3	4	2	1	1							78
WR156																			3		2					1	1	2	2	2	4	3	1	3	1	1			1		1		1				29
WR159				1		1				1		1		1	1	1	2	1	5	7	3	3	5	5	5	6	12	13	23	18	21	23	25	22	12	16	13	7	11	12	5		3		2		287
WR162																				1		1	1		1	5	2	1	4	4	5	7	6	8	9	9	4	8	7	3	4	1				1	92
WR164										1								2		2						2	4		1	1			1	1	1	1	1										18
WR165	1			2			1											1	4	1	2	1	4	5	4	3	8	7	5	9	8	13	22	11	5	11	4	7	2	1	4		4		1		151
WR172		1														1		1	1	1		1		2			1	1		1	2	1			1	1			1								17
WR175																					1				2				1	1	1	1	2	4	1		1		1								16
WR179					1				1									1	1	1			1				2	7		5	1	5	3	5	2	2	2										40
WR181																						1		1		1	1		1			1	1	1	1	2		1	1								13
WR182							1				1							2		2	2	2	3	4	5	4	8	10	5	10	9	10	6	3	3	3	6	2	8	2	2					1	114
WR189																				1				1		1		1		3		1	2														10
WR190																		1	1			1	3		1	1	1	1	2	1	1	2	4		1	4		2	1								28
WR194																		1	2	4		1	2	2	1	4		5	4	4	4	3	2	2	2	3	3			1							50
WR196										2	1						3	4	2	1	1	3	1	4	3	5	3	7	5	3	10	5	8	3	1	4	3	4	2				1				89
WR207																											1				1	1	1	1			2			2							9
WR208								1		1							1			1					1	1	3	2		3	4	1	2	2	1	2		1		1			1				29
WR218											1						1						1		1	4	1		2	3	5	1	2	6	2	2	1	1	1								35
WR250													1								1				3		2	1	1	1	5	3	5	8	4	2	5	4	4	3	2						55
WR251				1		1			2	2	1	4	2	1	1		6	10	8	7	5	10	8	11	24	18	27	19	29	31	27	26	30	20	8	12	8	7	8	4	1	1					380
WR254					1									1	1	3	1	2	2	2	2	2		3	5	5	9	2	10	9	10	10	9	10	14	9	8	6	6	3	3				1		149
WR259																		2	1		3	1	1	4	2		1	2	2	4	6	7	4	6	5	4	3	2	2		2		1				65
WR260			1	1				1							1			1	1	1		1	2		1	2	2		2	7	2	2	4	3		3		1									39
WR267									2			1		1		1	1	2	2		1		1	2	1	2	2	3	6	4	1	4	2	1		2		1									43
WR280		1		1													1					1	1				1	2	1	1	3		1	3			1		1								19
WR304																			1			1			1	1			2	1	1	3	4	4	1		3	1	1								25
WR309												1				1			1					1	2	2	1	3		3			3	2	6		1	1		1	1						30
WR310										1							1			1	1	4	1		1	1	2	3	3	7	5	9	4	3	7	5	2	4		2	1						68
WR314															1							1				1	2	3		1	2	3	1	3	1	1	1	2	2	2			1				28
WR315																					1	1				1	1		1	3	5	2	3	1		1					1						21
WR316												1									1	1	2	1		1	2		2	2	4	2	6	4	3	2	3	4	1	3	1						46
WR318		1							1			1		1	1	2	2	5	4		1	2	1		1	1	5	3	1		1	4	1	4	1	2	2							1			49
WR323												1		2			1	1	2	3			3	1	2	1	4	2	1		1	3	3	5	2		1	2	1				1		1		44
WR327	1			1																2	3	2	1	1	1	1	2	4	2	5	12	10	7	11	3	4	3	3	2	6	2		1				90
WR333													1				1	1	3	3		1	1	3	1	3	4	2	3	3	3	5	5	7	2	1	4	8	6	4	2		1				78
WR342											1								1						3	1	1		1	3	6		6	5	5	5	6	2	3	3	2		3		2		59
WR357									1		1	1	1				3		3	1	2	2	2	4	4	5	7	11	11	10	3	11	9	3	3	1		2	1								102
WR366																				1			1				2	1	1	2		2	2		2	1	2	1	6	1	2	2						29
WR374											1			1			2			1	1	2	2	1	1	3	4	5	6	9	5	12	12	7	12	3	4	5	6	1	1						107
WR377																1	3		1	1		1	1		1		3	1	3	6	10	7	11	14	2	4	7	7	8	3	8		6		4	3	116
WR388									1														1				2		1	3	3	4	7	5	3	5	4	3	3	1	2	1	1			1	51

32

WR394									1									3	3	2				1	2	4	1	2	4	2	4	2	6	6	3	3		4	1								54
WR395																											1	1		1	2		1			3			1	2	2	1	1				16
WR397																	1				1					1	1			1	1		5	4	1	1	4	4	2	2	2		1			1	33
WR402															1		1				1		1	1	2	2	3	2		4	4	4	4	3	6	3	1	1	4	4	3				1		56
WR403																1				2	1	1	2	2	2	2		1	2	5	8	2	8	8	2	4	1		1	1							56
WR406			1																1		1		1		1	1	1	3	4	5	2	6	6	5	2	3	2	1	3		1		2				52
WR407																																1									1				4		6
WR415																														1	1			1			1										4
WT132				1						1						2	1	4	2	1	1	3	1	6	4	4	10	12	12	20	10	15	15	18	5	9	6	2	4	4	1		2				176
WT163							1										3	1	1		1	1	1	1	1	2	4	1	1	2	5	6		5	3	3	3	4	2	2	2		1				57
WT166																	1			1										1	1		1	2	2												9
WT191			2															3	2	2	2	4	4	4	6	8	7	11	9	11	4	15	11	9	3	4	1	3	1	1	2						129
WT265				1		1											1	1		4	3	4	2	5	6	6	7	7	11	16	14	20	15	16	9	13	11	4	8	5	6						196
WT269									1								2		2	1	1	3	5	6	4	4	9	5	14	18	17	20	20	28	21	10	17	15	13	7	2		1		1		247
WT283																						2					1	1	3	2	3	2	1				1										16
WT284	1							1		1		1						1	2	1		2	4	2	5	4	4	5	6	10	10	14	7	10	9	4	7	6	3	2	2		1				125
WT306						1										1			2	1	1	3	5	2	4	10	3	10	8	16	17	17	26	37	25	13	11	11	10	7	6				1		248
WT321									1									3		1	2		1		3	10	8	3	10	11	10	12	19	15	6	7	8	11	5	11	2	1				160
WT324										1				1		1			1	1	2	3	2	4	2	6	2	5	6	5	6	8	6	8	4	1	4	2		3						84
WT336												1						1	1	1		2	1	2		3	4	7	13	11	24	24	26	23	8	25	10	14	14	9	8	1	3		4		240
WT340															1		1	1	1		1	2		5	7	5	8	10	5	9	10	9	11	11	4	1	2	1	3	1						109
WT343					1					1	1	1				1	1	1		1	5	9	1	5	7	12	15	13	9	26	16	13	26	34	20	10	10	23	10	6	4		1		2		285
WT345						1									1		1	2		1		1	1	1	1	2	2	1	3	2	2	3	4	7	1	2	3	2		1	1					46
WT348																			1					1		1				2	4		3	1	1	2			1							17
WT354																				1					1		1					4	1			1	2									11
WT355										1												1			1	1	1		2				3	1	1			1	1							14
WT356					1												1	1				1	2	1		1	2			1	4	2	2	6		2	2	4	1							34
WT363																			2			1		2	1	2					2	2	5	1	3			1								22
WT367																	1		3	1	2	5	5	1	7	4	5	8	8	12	10	11	5	7	2	1	3									101
WT368				1	1					1		1		1		1	3	3	3	1	3	3	7	6	9	5	5	6	9	20	8	20	18	24	15	12	13	13	9	13	4		1		2		241
WT372							1			1								1	1	2	5	2	7	6	5	7	16	13	14	20	6	23	30	25	19	20	16	13	12	9	7		5				286
WT375									1						2		1		2		2	1		3		3	3	2	3	7	6	2	1	5	2		1		2								49
WT379																		1	1	1	2	3	1	1	4	4	3	4	5	7	7	8	5	3	2	4	3	1		1	2						73
WT382					1					1		1		1	1	1	2	3	4	2	3	3	5	1	3	4	7	9	6	8	14	14	17	20	9	7	5	8	5	5	2		1				173
WT385										1						2		1	1	1		2		1			1	1	4	4	1	3	4	2	1												30
WT387	1																1		1	1		1		1		1		1	1		2	1	1	2			1	1									17
WT389											1							2	1			1	1	2	1	3	2	15	6	9	14	15	18	15	5	4	12	9	2	5	4						147
WT392						1						1		1	2		1	3	4	2	1	3		7	4	1	9	10	5	4	8	13	8	7	10	7	7	4	4	1						128
WT396		1														1			1				1	1			2	3	2	2	1	6	3	7	2	3		1	1						1		39
WT398			1					1			1					1		2	1	1	6	2	2	1	1	2	3	3	3	4	4	3	6	3		3	1		2								57
WT399	1															2		1		3	1	4	2	7	2	8	16	11	13	17	20	17	11	20	9	12	5	6	4	8	4						204
WT400													1					1		2	2	4	1	9	8	4	4	12	11	19	10	13	11	19	7	6	6	4	7		1		2				164
WT401															1				1		1		1	1		1		2	1	4	2		2	2	1				1								21
WT404		1																			1	3	1			2	2	2	2	3	7	5	6	7	2	3	6		4	1	1						59
WT405															1			2				3	1	2	1	3	4	3	6	2	5	7	6	9	7	3	3	2	3	3	1						77
WT409																		1					1		2	1	1	2	3	4	3	1	5	3													27
WT410																				1	1			4		2	1	1	3	1	3	3	2	1	2			3	3	1							32
WT411			1														1	2	1				2	1		2	1	1	3	3	3	6	7	2	2	1	3	3	1		1	1					48
WT412		1				2					2	2		2	3		5	4	8	6	6	8	13	2	13	15	14	16	17	22	28	20	17	21	4	5	9	1	1	1			1				269
WT413																							1			1	1	2		4	2	2	2	1		1		1									18
WT414									1					1			1									1			1		2			2		1				1			1				12
WT416																		1			1			1	1		1	1			2	2	2			2	1										15
WT418																		1										1	1		1	1	1	1				1									8
WT420																															1																	1
TOTAL	7	9	6	13	10	9	4	6	18	22	15	25	7	18	25	32	68	108	125	105	119	155	163	192	226	295	370	411	445	625	632	674	735	741	422	399	352	308	275	191	138	13	52	1	34		8600