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UTAH STATE IMPLEMENTATION PLAN

SECTION X

**VEHICLE INSPECTION
AND MAINTENANCE PROGRAM**

PART B

DAVIS COUNTY

Adopted by the Utah Air Quality Board
[~~March 4, 2020~~] February 7, 2024

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SECTION X, PART B
DAVIS COUNTY
Appendices

- 1 Davis County Ordinance 10.12.1 Davis County Vehicle Emissions
2 Inspection/Maintenance Program, approved and adopted [~~October 1,~~
3 ~~2019~~June 13, 2023 effective date July 1, 2023.
- 4 [~~2 — Quality Division Operating Procedures 10/30/19]~~

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UTAH STATE IMPLEMENTATION PLAN
SECTION X
AUTOMOTIVE INSPECTION AND MAINTENANCE (I/M) PROGRAM
PART B
DAVIS COUNTY

7

1. Applicability

8 *Davis County Inspection and Maintenance (I/M) Program Requirements:* The Utah Air Quality
9 Board adopted an ozone maintenance plan for Salt Lake and Davis counties on November 5,
10 1993, to address the 1979 1-hour Ozone National Ambient Air Quality Standard (NAAQS). The
11 plan was reorganized and adopted on January 5, 1995. Revisions to the ozone maintenance plan
12 were adopted by the Board on June 5, 1996, and June 7, 1997. The Environmental Protection
13 Agency (EPA) approved the plan on July 17, 1997 (62 FR 38213, July 17, 1997). The ozone
14 maintenance plan required implementation of an improved I/M program no later than January 1,
15 1998. The ozone maintenance plan established a performance standard that was more stringent
16 than the federal Basic I/M Performance Standard.

17 On July 17, 1997, EPA approved the state’s request to redesignate Salt Lake and Davis counties
18 to attainment for the 1979 1-hour ozone standard. As part of that action, EPA approved the
19 state’s 1-hour ozone maintenance plan (62 FR 38213). On July 18, 1997, EPA promulgated an 8-
20 hour ozone NAAQS of 0.08 ppm (62 FR 38894). This standard was intended to replace the 1-
21 hour ozone standard. On April 30, 2004, EPA designated areas of the United States for the 1997
22 8-hour ozone standard (69 FR 23857). EPA designated all areas in Utah, including Salt Lake
23 County and Davis County, as unclassifiable/attainment for the 1997 8-hour ozone NAAQS (69
24 FR 23940).

25 On April 30, 2004, EPA revoked the 1979 1-hour ozone NAAQS (69 FR23951, 23996; 40 CFR
26 50.9(b). As part of that rulemaking, EPA established certain requirements to prevent backsliding
27 in the areas that were redesignated to “attainment” but subject to a maintenance plan, as is the
28 case for Salt Lake and Davis County. These requirements are codified at 40 CFR 51.905. In the
29 case of Utah, one of these requirements was to submit a maintenance plan for the 1997 8-hour
30 ozone standard. On March 22, 2007, the Governor of Utah submitted a maintenance plan for the
31 1997 8-hour ozone standard for Salt Lake and Davis County, and associated rule revisions, which
32 included an I/M program as a control measure. This plan was approved by EPA on September
33 26, 2013 (78 FR 59242).

34 On October 26, 2015, the EPA promulgated a revision to the primary NAAQS for ground level
35 ozone (80 FR 65292), lowering the standard to 0.070 ppm for the 4th highest daily 8-hour
36 concentration. Davis County was designated as a “marginal” nonattainment area for the 2015 8-
37 hour ozone standard effective August 3, 2018 (83 FR 25776, June 4, 2018).

1 On October 7, 2022, the EPA finalized the reclassification of the Northern Wasatch Front
2 nonattainment area, including Davis County, from marginal to moderate status for the 2015
3 standard. The reclassification to moderate status became effective on November 7, 2022 (87 FR
4 60897). With this redesignation to moderate nonattainment, Davis County is required ~~Utah was~~
5 ~~previously required~~ by Sections 182 and 187 of the CAA to implement and maintain an I/M
6 program in Davis County that met the minimum requirements of 40 CFR Part 51 Subpart S and
7 that was at least as effective as the EPA's Basic Performance Standard as specified in 40 CFR
8 51.352. ~~[However, the Basic Performance Standard requirement is no longer applicable as the~~
9 ~~nonattainment area in Davis County has been redesignated to attainment / maintenance for the~~
10 ~~1979 1-hour ozone NAAQS.]~~ Parts A and B of Section X, together with the referenced
11 appendices, ~~[continue to]~~ demonstrate compliance with the CAA and 40 CFR Part 51 provisions
12 for Basic I/M Performance Program Requirements for Davis County ~~[and produce mobile source~~
13 ~~emission reductions that are sufficient to demonstrate continued maintenance of the 1997 8-hour~~
14 ~~ozone NAAQS]~~. In addition, the Davis County I/M program is a control measure included in the
15 Salt Lake City 24-hour particulate Serious SIP submitted to EPA on February 15, 2019.

16 **2. Summary of Davis County I/M Program**

17
18 Below is a summary of Davis County's I/M program. Section X, Part D Appendix[s]1[—2
19]contain the essential documents for Davis County's I/M program.

20
21 *Network Type:* Davis County's I/M program is a decentralized, test-and-repair network.

22
23 *Test Convenience:* There are approximately 140 permitted I/M stations within Davis
24 County. Specific operating hours are not specified by the county. Some stations that test
25 and/or service only one type of vehicle are permitted. There are also government and
26 private fleet permitted stations that are not open to the public.

27
28 *Subject Fleet:* All model year 1968 and newer vehicles registered or principally-operated
29 in Davis County, are subject to the I/M program except for exempt vehicles.

30
31 *Test Frequency:* Vehicles less than two years old as of January 1 on any given year are
32 exempt from an emissions inspection. Vehicles two years old and less than six years old
33 as of January 1 on any given year, are inspected every other year as per Utah Code 41-6a-
34 1642(6). All vehicles six years or older as of January 1 on any given year, are inspected
35 annually.

36
37 *Station/Inspector Audits:* Davis County's I/M program will regularly audit all permitted
38 I/M inspectors and stations to ensure compliance with county I/M ordinance and policies.
39 Particular attention will be given to identifying and correcting any fraud or incompetence
40 with respect to vehicle emissions inspections. Compliance with recordkeeping, document

1 security, analyzer maintenance, and program security requirements will be scrutinized.
2 Davis County I/M program will have an active covert compliance program to minimize
3 potential fraudulent testing. [~~Davis County audit procedures are provided in Appendix 2~~
4 ~~of this part of Section X.~~]

5
6 *Waivers:* Davis County's I/M program may issue waivers under limited circumstances.
7 The wavier procedure can be found in Davis County's I/M ordinance provided in
8 Appendix 1. Davis County will take corrective action, as needed, to maintain a maximum
9 waiver rate of 1% of the initially failed vehicles, or the Utah Air Quality Board will revise
10 the SIP and emission reductions claimed based on the actual waiver rate. The conditions
11 for issuing waivers are specified in Davis County's I/M ordinance and meet the minimum
12 waiver issuance criteria specified in 40 CFR Subparts 51.360.

13
14 *Test Equipment:* Specifications for Davis County's emission analyzer and its I/M test
15 procedures, standards, and analyzers are provided in Davis County's I/M ordinance
16 provided in Appendix 1. Test equipment and procedures were developed according to
17 good engineering practices to ensure test accuracy. Analyzer calibration specifications
18 and emissions test procedures meet the minimum standards established in Appendix A of
19 the EPA's I/M Guidance Program Requirements, 40 CFR Part 51 Subpart S.

20
21 *Test Procedures:*

- 22
- 23 • The following vehicles are subject to an OBD II inspection:
 - 24
 - 25 ○ 1996 and newer [~~light duty~~] non-diesel motor vehicles <8501 lbs. Gross
26 Vehicle Weight Rating (GVWR);¹ ~~and~~
 - 27 ○ 2008 and newer [~~medium duty~~] non-diesel motor vehicles between 8,501-
28 14,000 lbs. GVWR; and²
 - 29 ○ 1998 and newer diesel-powered motor vehicles <14,000 lbs. GVWR, if
30 equipped with OBDII.
 - 31
 - 32 • The following vehicles are subject to a two-speed idle test that is compatible with
33 Section VI (Preconditioned Two Speed Idle Test) in Appendix B of the EPA I/M
34 Guidance Program Requirements, 40 CFR 51, Subpart S:
 - 35
 - 36 ○ 1995 and older non-diesel motor vehicles,
 - 37 ○ 1996 to 2007 non-diesel motor vehicle >8,500 lbs. GVWR~~[medium and~~
38 heavy duty vehicles³]; and

1 [~~Light duty vehicles have a Gross Vehicle Weight of 8500 lbs or less.~~

2 [~~Medium duty vehicles have a Gross Vehicle Weight greater than 8500 lbs but less than 14,000 lbs]~~

3 [~~Heavy Duty vehicles have a Gross Vehicle Weight greater 14,000 lbs]~~

- 1 ⊖ [Heavy duty] 2008 and newer non-diesel motor vehicles > 14,000 lbs.
- 2 GVWR. [2007 and older.
- 3 ○ 2008 and newer heavy-duty vehicles.]
- 4 • The following vehicles are subject only to a visual inspection:
- 5 ○ 1998- 2007 diesel powered motor vehicles < 14,000 lbs. GVWR, if not
- 6 equipped with OBDII.
- 7
- 8
- 9

10 **3. I/M SIP Implementation**

11
12 The I/M program ordinance, policies, procedures, and activities specified in this I/M SIP
13 revision have been implemented and shall continue until a maintenance plan without an
14 I/M program is approved by the EPA in accordance with Section 175 of the Clean Air Act
15 as amended.