

# Modeled Attainment Test Results

**Utah Division of Air Quality**

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As discussed in the previous section, we used SMAT-CE to generate a future design value (FDV) for Federal Reference Method (FRM) monitors in the Salt Lake nonattainment area. The FDV calculation methodology is provided in the EPA document: *Guidance on the Use of Models and Other Analyses for Demonstrating Attainment of Air Quality Goals for Ozone, PM2.5, and Regional Haze*<sup>1</sup>.

A FDV was generated for the proposed attainment year (2035) as well as the 2026 milestone year for Smithfield in the Logan non-attainment area (NAA), which corresponds to the only Utah monitoring station in this area. This FDV represents simulated peak concentration that is directly compared to the daily PM<sub>2.5</sub> National Ambient Air Quality Standard (NAAQS, 35 µg/m<sup>3</sup>). Modeled attainment of the standard is demonstrated if the 2035 FDV is lower than the NAAQS. Table 1, below, shows FDVs for projected years at Smithfield in the Logan nonattainment area.

**Table 1: Design values for base year and projected years.**

Monitor ID	Monitor Name	Baseline DV	2026 Milestone FDV	2035 FDV
490050007	Smithfield	32.6	28	28.2

Modeled concentration at Smithfield in the Logan non-attainment area is below the 24-hr PM<sub>2.5</sub> NAAQS. UDAQ successfully demonstrated attainment in this area.

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<sup>1</sup> <https://www3.epa.gov/ttn/scram/guidance/guide/final-03-pm-rh-guidance.pdf>