



State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

Air Quality Board
Cassady Kristensen, *Chair*
Kim Frost, *Vice-Chair*
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Kevin R. Cromar
Randal S. Martin
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John Rasband
Kimberly D. Shelley
Jeff Silvestrini
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Executive Secretary

DAQ-050-24

**UTAH AIR QUALITY BOARD MEETING
FINAL AGENDA**

Wednesday, June 5, 2024 - 11:00 a.m.
195 North 1950 West, Room 1015
Salt Lake City, Utah 84116

Board members may be participating electronically. Interested persons can participate telephonically by dialing 1-475-299-8810 using access code: 449-801-632#, or via the Internet at meeting link: meet.google.com/dpm-oqgm-nzk

- I. Call-to-Order
- II. Date of the Next Air Quality Board Meeting: July 9, 2024
- III. Approval of the Minutes for the May 1, 2024, Board Meeting.
- IV. Informational Items.
 - A. Northern Wasatch Front Ozone Attainment Planning. Presented by Ryan Bares.
 - B. Air Toxics. Presented by Leonard Wright.
 - C. Compliance. Presented by Harold Burge, Rik Ombach, and Chad Gilgen.
 - D. Monitoring. Presented by Bo Call.
 - E. Other Items to be Brought Before the Board.
 - F. Board Meeting Follow-up Items.
- V. Adjourn Meeting

Lunch provided for Board members followed by a site visit to a refinery tank farm and potentially one other source site visit.

In compliance with the Americans with Disabilities Act, individuals with special needs (including auxiliary communicative aids and services) should contact LeAnn Johnson, Office of Human Resources at (385) 226-4881, TDD (801) 536-4284 or by email at leannjohnson@utah.gov.

ITEM 4

Northern
Wasatch Front
Attainment
Planning

Northern Wasatch Front Summertime Ozone

Ryan Bares



UTAH DEPARTMENT of
ENVIRONMENTAL QUALITY
**AIR
QUALITY**

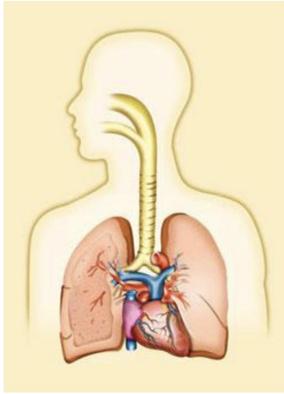
What is ozone?



**NO_x + VOC +
Sunlight and Heat
= ozone**

Significant human health
impacts

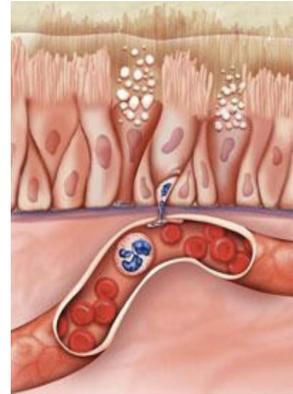
Health Impacts of Ozone



Ozone is a powerful oxidant that can irritate the airways.

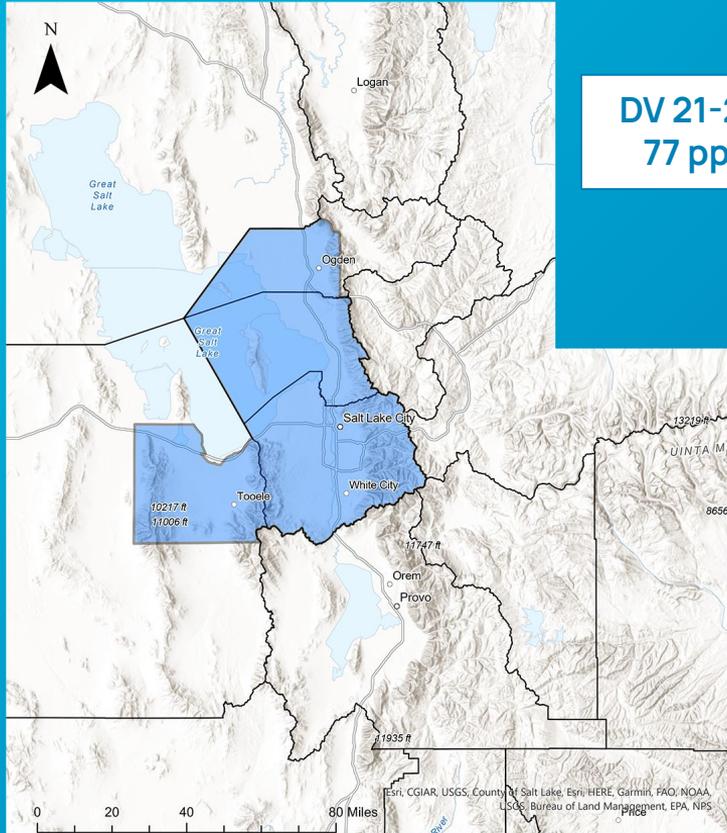


Ozone can cause the muscles in the airways to constrict, trapping air in the alveoli. This leads to wheezing and shortness of breath.



With inflammation, the airway lining is damaged. It has been compared to the skin inflammation caused by sunburn.

Northern Wasatch Front Ozone Nonattainment Area



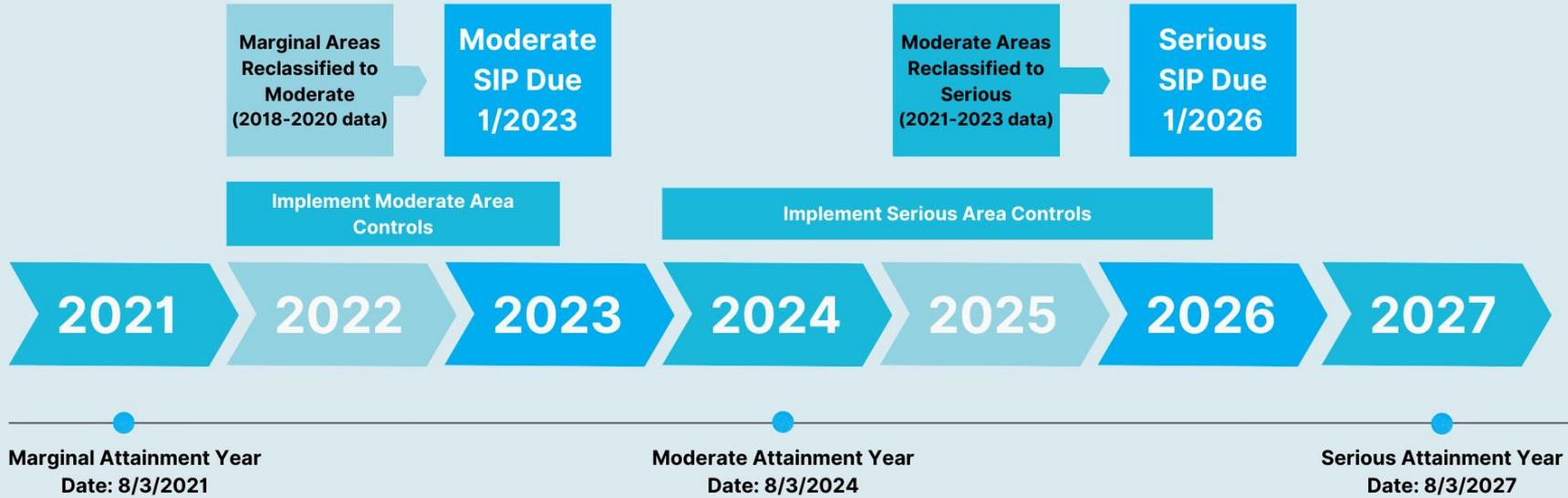
Pollution

The Northern Wasatch Front is not meeting the 2015 NAAQS for ozone: 70 ppb.

Creating a Plan

The State submitted a moderate State Implementation Plan (**SIP**) and has started the process of planning for a serious SIP. Redesignation to serious expected early 2025.

Northern Wasatch Front Ozone Planning Timeline



Why is it so important to attain the standard?

There are serious consequences if the area fails to meet SIP requirements and/or attain the health-based standard.



Reduce ozone to protect public health and improve quality of life along the Wasatch Front



Potential freeze to federal highway funds



Federal plan could be far more strict (FIP)



“Bump up” in NAA classification will require even more costly controls



Ozone in the West

Regional Challenges

Intermountain West Ozone Challenges

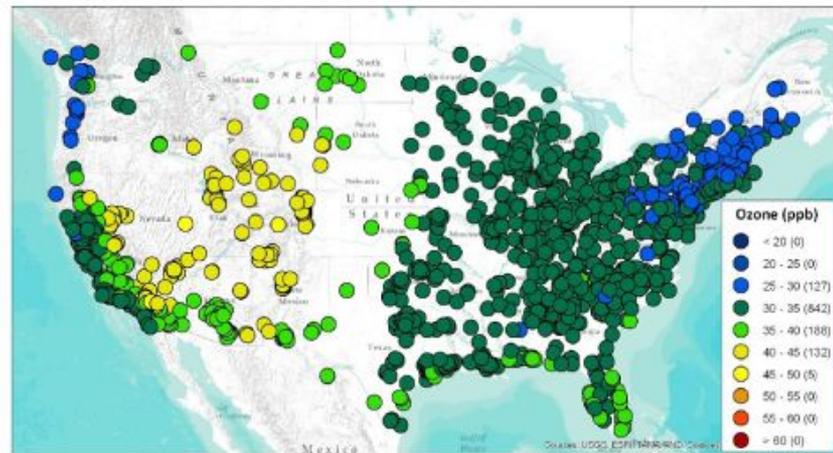
Utah faces a range of challenges when working to reduce ozone:

- High elevation
- Natural emissions of VOCs
- Transported pollutants
- Wildfire emissions
- Utah is one of the fastest growing states in the nation

~ 80% of ozone and ozone forming emissions are naturally occurring or transported to Utah.

Summertime average background concentrations can be as high as 50 ppb.

Background Ozone in the Intermountain West

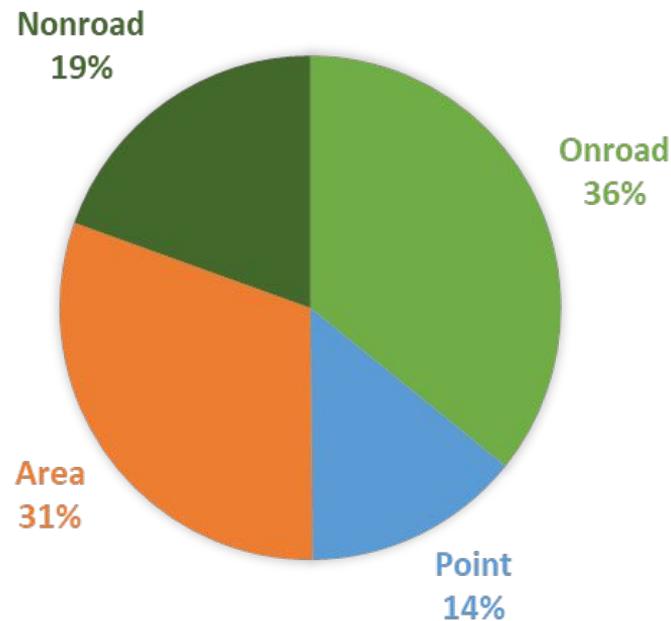
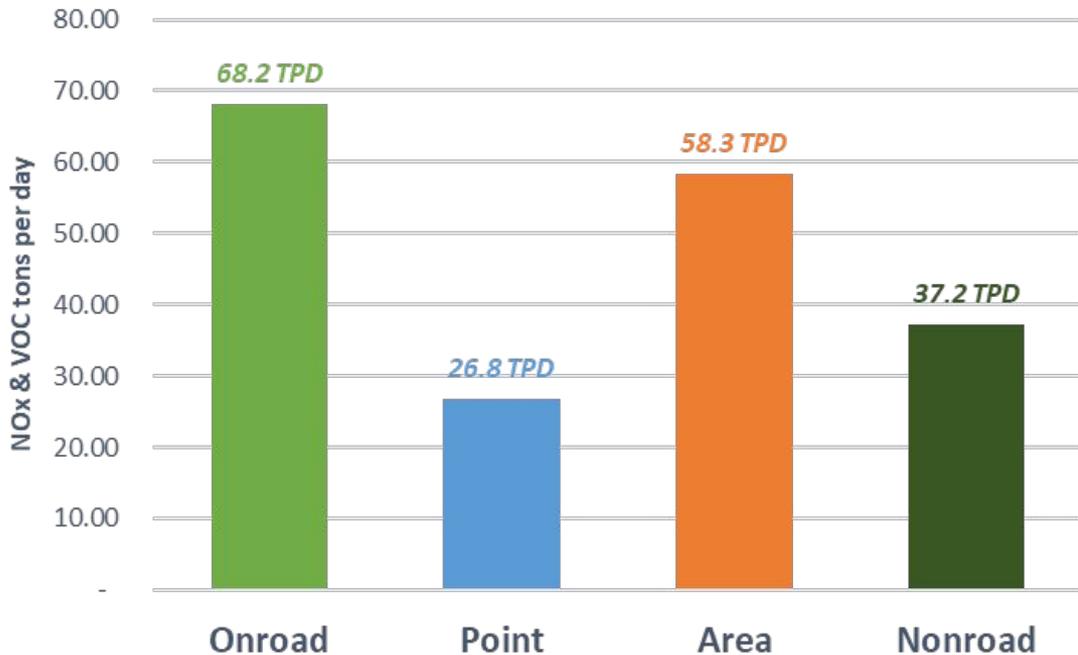


CMAQ estimates of average background (USB) ozone at monitoring locations across the U.S. in 2007

EPA modeled background ozone concentrations in the continental United States. This demonstrates the effect of elevation and transport on background ozone concentrations in the west.

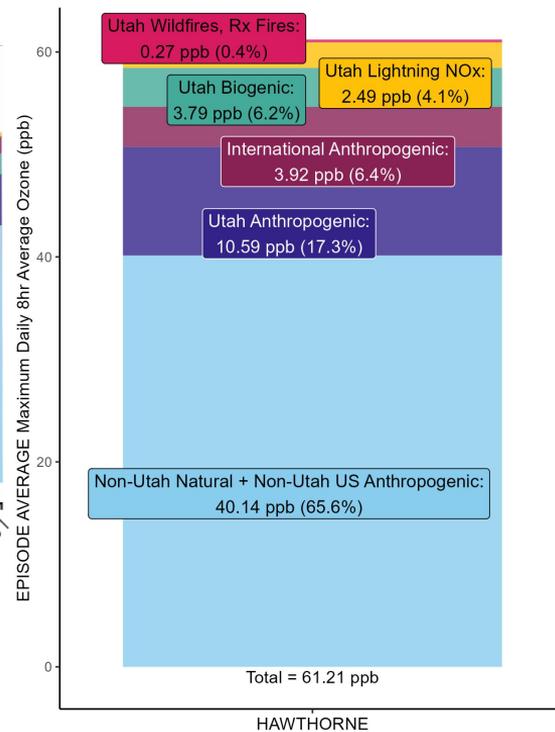
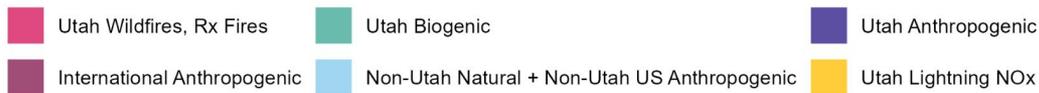
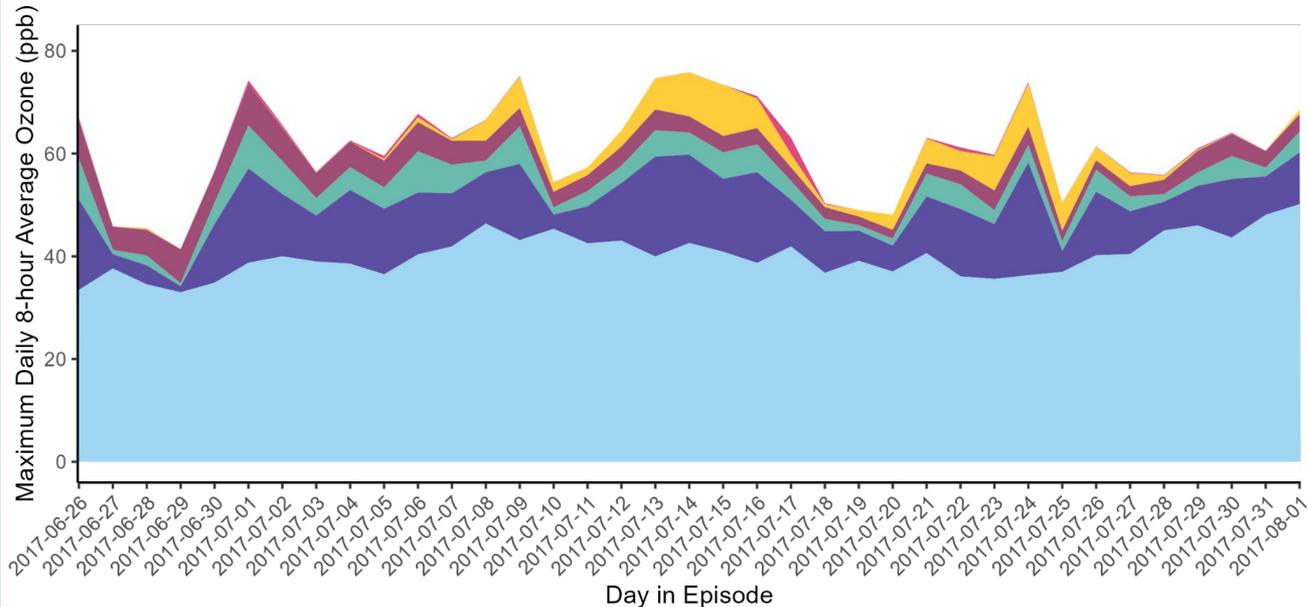
“background ozone can exceed 60 ppb in the intermountain west”

Man-Made NOx and VOC Emissions in the Northern Wasatch Front on an average “ozone season” day



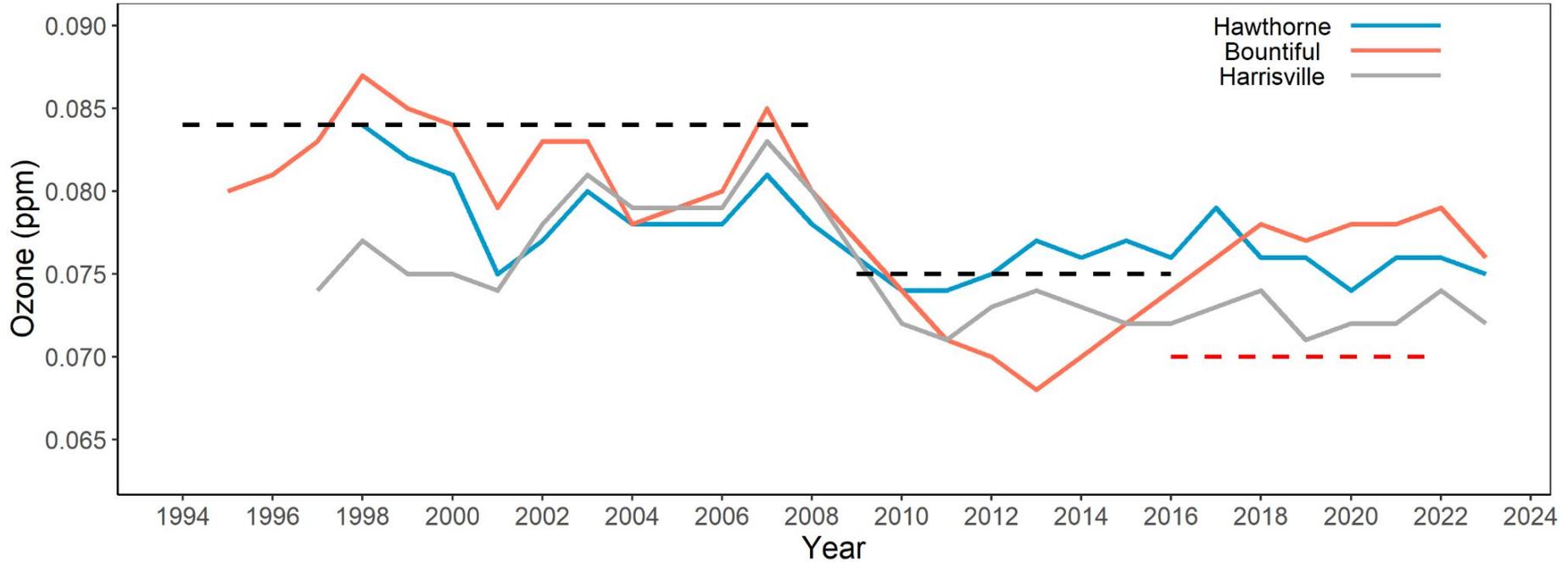
More than half of anthropogenic emissions driving local ozone formation are very difficult to regulate at the state level

Ozone Source Contributions

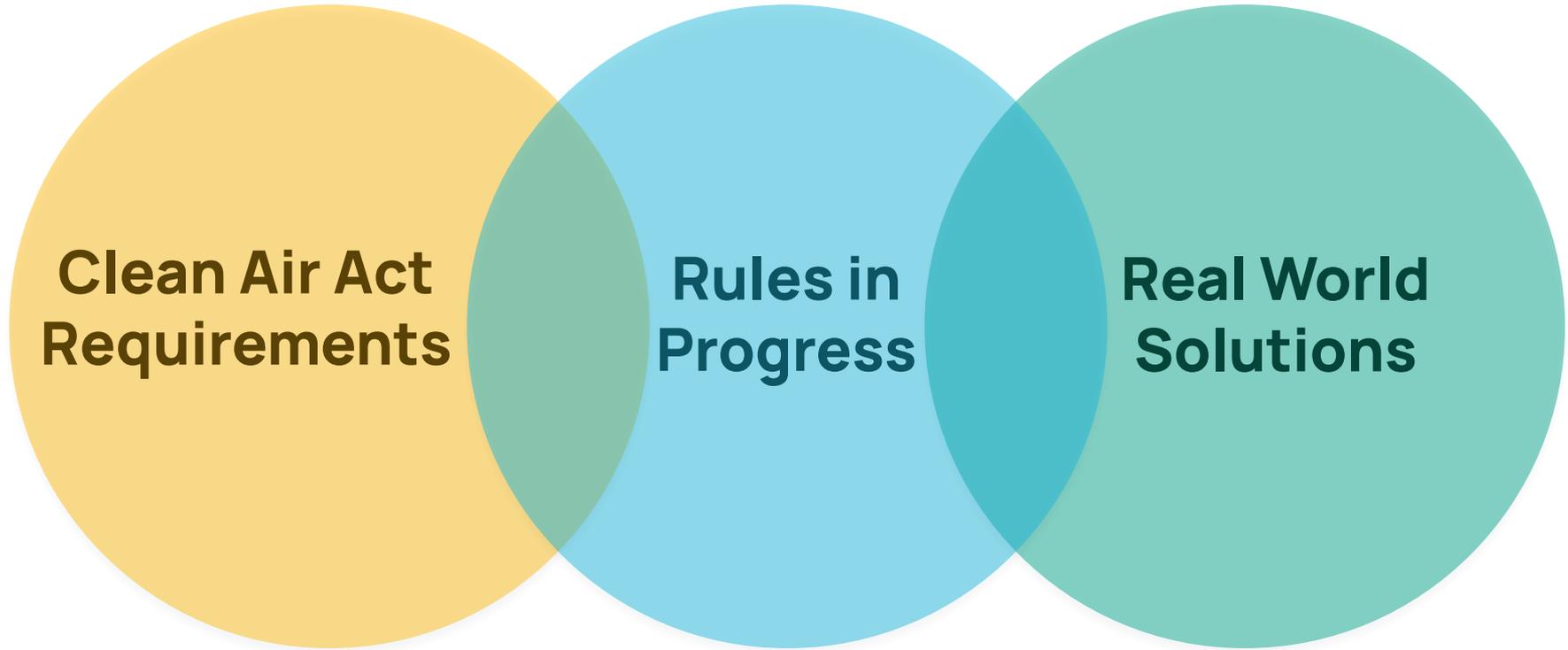


Historic NWF Ozone Concentrations

3 Year Average 4th Highest Ozone Concentration



Ozone Attainment Plan



 Clean Air Act 179B

Ozone Attainment Plan

Clean Air Act Requirements

Requirements for SIP approval

Rules in Progress

Rules with short and long term outcomes that meet CAA requirements and get area closer to attainment

Real World Solutions

Results from studies will inform future policy to more effectively reduce ozone



Clean Air Act 179B

Prevent serious nonattainment and allow time for real world solutions

Ozone Attainment Plan

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Real World Solutions



Clean Air Act 179B



Ozone Requirements By Classification

2015 OZONE NAAQS

Initial Designation/Classification Aug. 2018
 Areas are reclassified (i.e. "bumped-up")
 to the next highest classification
 within 6-months of
 failing to attain

EXTREME
 Attainment Date Aug. 2038
 SIP due Jan. 2034

SEVERE (15, 17)
 Attainment Date Aug. 2033,35
 SIP due Jan. 2029, 2031
 Reformulated Gasoline required

SERIOUS
 Attainment Date Aug. 2027
 SIP due Jan. 2026

MODERATE
 Attainment Date Aug. 2024
 SIP due Jan. 2023

MARGINAL
 Attainment Date Aug. 2021

		NSR Offset	Major Source Threshold
	TRAFFIC CONGESTION CONTROLS (if appropriate)	1.5:1	10 tpy
	CLEAN FUELS REQUIREMENT FOR BOILERS		
	PENALTY FEE PROGRAM FOR MAJOR SOURCES	1.3:1	25 tpy
	VMT GROWTH DEMONSTRATION (& TCMs if needed)		
	VMT REPORTING		
	NSR REQUIREMENTS FOR EXISTING SOURCE MODS	1.2:1	50 tpy
	CLEAN FUELS PROGRAM OR SUBSTITUTE MEASURE FOR LARGER POP. AREAS		
	MODELED DEMO OF ATTAINMENT		
	MILESTONE DEMONSTRATIONS and CONTINGENCY MEASURES FOR RFP		
	3% ANNUAL RFP UNTIL ATTAINMENT	1.15:1	100 tpy
	ENHANCED I/M for larger population areas		
	CONTINGENCY MEASURES FOR FAILURE TO ATTAIN		
	ENHANCED MONITORING PLAN		
	BASIC VEHICLE I/M for larger population areas		
	15% VOC ROP or 15% VOC/NOx RFP (OVER 6 YEARS)	1.1:1	100 tpy
	VOC/NOx RACT for MAJOR/CTG SOURCES		
	ATTAINMENT DEMONSTRATION		
	NONATTAINMENT NEW SOURCE REVIEW PROGRAM	1.1:1	100 tpy
	EMISSIONS STATEMENTS		
	BASELINE EMISSIONS INVENTORY (EI)		
	PERIODIC EMISSIONS INVENTORY UPDATES		

Reasonable Further Progress 15%

“The state must identify and implement emission reduction strategies equal to or greater than 15% [VOCs] of the 2017 baseline inventory”

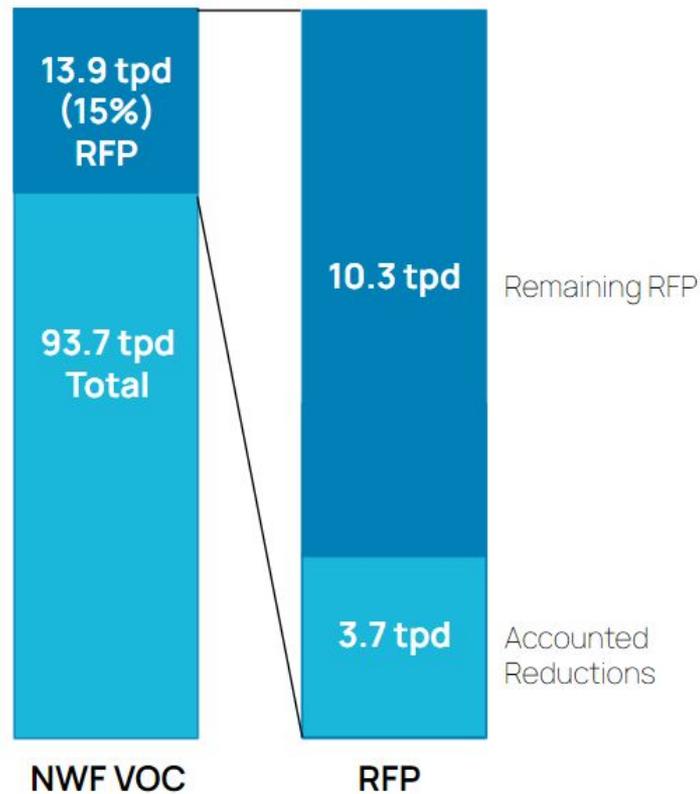
The moderate SIP submitted October 2023 does not fulfill the RFP requirement.

Disapproval will impact federal highway funds.

UDAQ is working to find solutions by substituting NOx reductions.

Under a serious NAA designation, RFP will be an additional 3% per year of reductions.

Northern Wasatch Front Anthropogenic VOC Emissions



Federal Sanctions

What happens when EPA disapproves a SIP?

1. **Transportation Conformity Freeze** - Immediately

Certain transportation projects can proceed, but no new transportation projects can be implemented.

2. **Large Industry Offsets** - 18 months

Large industry emissions offsets of 2:1 start, meaning it becomes very challenging for existing sources to expand or for new industry to move into the NAA.

3. **Highway Funding Sanctions & Transportation Conformity Lapse** - 2 years

Without an approved SIP, a conformity lapse will occur meaning that transportation plans cannot be updated to include new projects. All projects, including transit projects cannot proceed even if state and local funds are used.

4. **Federal Implementation Plan (FIP) Deadline** - 2 years

EPA must promulgate a Federal Implementation Plan (FIP) two years after a SIP disapproval.

Ozone Attainment Plan

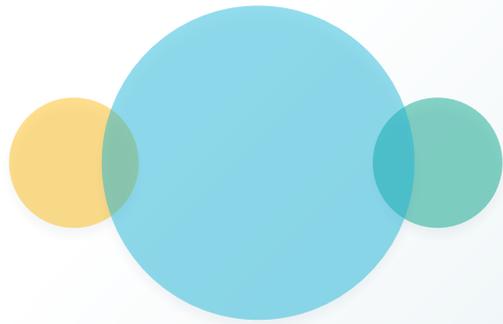
**Clean Air Act
Requirements**

**Rules in
Progress**

Rules with short and long term outcomes that meet CAA requirements and get area closer to attainment

**Real World
Solutions**

 **Clean Air Act 179B**



Rules in Progress

Rules with short and long term timelines that meet CAA requirements and get uarea closer to attainment

Short Term (1-3 Years)

- Gas dispensing rule
- Locomotive inventory reporting
- Small 2-stroke lawn equipment
- Major Source RACT Updates

Long Term (3+ Years)

- Refinery tank controls
- Warm mix asphalt
- Composting
- Metal recycling
- Industrial baking
- Halogen reductions (HB 220)
- Non-road equipment rules (SB 136)
- Low volatility gasoline (CAA required)

R307-328: Gasoline Transfer and Storage

Counties:
Salt Lake, Utah,
Tooele, Davis and
Weber Counties.

VOC Reductions:
214.96 tpy
0.59 tpd

**Installation of CARB
CP-207 certified:**

**Dripless Nozzles
&
Low Permutation
Hoses**

**Compliance
Schedule**

May 1, 2026

Advanced Notice of Proposed Rulemaking:

April 8, 2024



Locomotive Reporting

- Will require switcher and locomotive trains that stay within Utah to report annually to UDAQ.
- Provide data needed to understand emissions from these engines and improve inventories.

S.B. 136 Final Report- November 2023

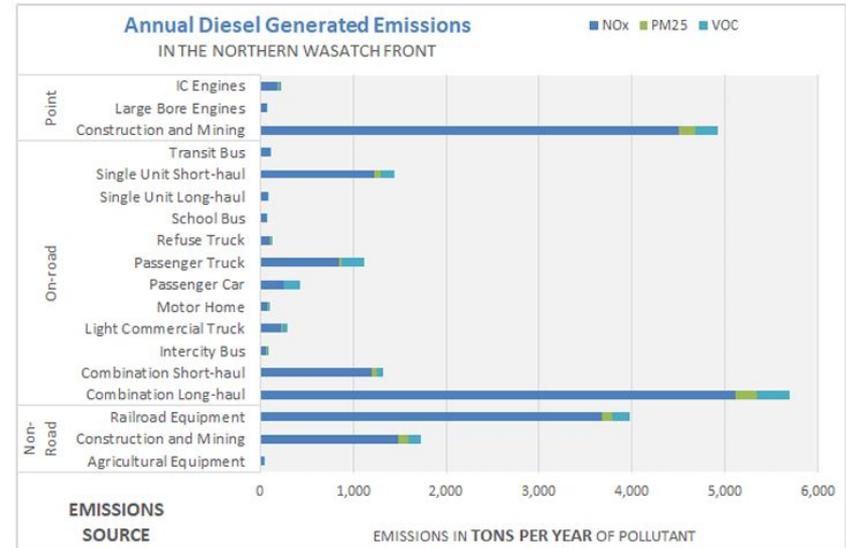


Figure 6: Northern Wasatch Front Diesel Emissions (TPY) by Source Type



Refinery Storage Tanks

- Controls for storage tanks at petroleum refineries.
 - Early stages examining emissions and controls options.
 - Examining rules implemented in other NAAs.
 - UDAQ has started early stakeholders engagement and collaboration.
- External Floating Roof, Internal Floating Roof, and Fixed Roof Tanks.
- Doming, best practices, and inspection and monitoring strategies.
- Planning an extensive stakeholder engagement process including individual source meetings and stakeholder workshops.



Photo credit: Wikipedia

Reasonably Available Control Technology

Review and Update RACT for major sources

- 20 Major Sources \geq 50 tpy VOC or NO_x.
- Initial completeness review finished for all submitted RACTs.
- All but one RACT have been returned by sources.
- Compile controls, costs, compare emission points across all major sources.

Ozone Attainment Plan

**Clean Air Act
Requirements**

**Rules in
Progress**

**Real World
Solutions**

Results from studies will inform future policy to more effectively reduce ozone

 Clean Air Act 179B

NO_x Substitutions

Table 1: VOC and NO_x reduction in the NWF NAA through ozone and PM_{2.5} SIPs.

	RFP Requirements	2017 - 2023 moderate ozone SIP (% RFP)	2010 - 2020 PM _{2.5} SIP (% RFP)
VOC (tpd reduced)	14.0 tpd	3.7 tpd (25%)	35.7 (255%)
NO _x (tpd reduced)	NA*	21.3 tpd (152%)	35.45 (254%)

*EPA has not yet allowed NO_x substitutions under its current interpretation of ozone implementation rule.

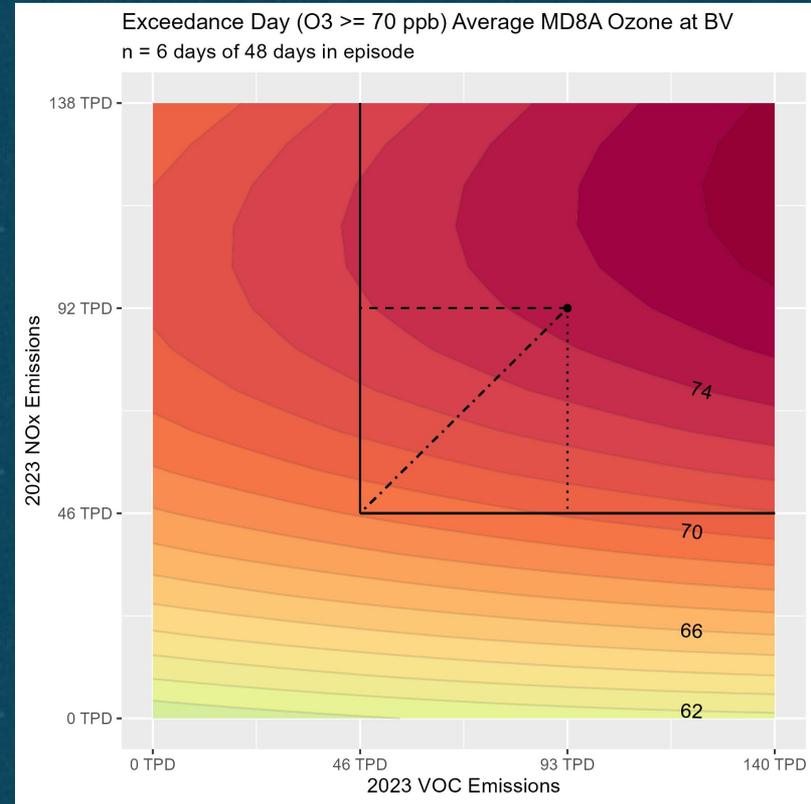
Outstanding moderate ozone RFP reduction requirements: 10.3 tpd VOC emissions

Utah is working to find a pathway to allow for past VOC reductions to count towards ozone planning efforts.

Pathway to Attain

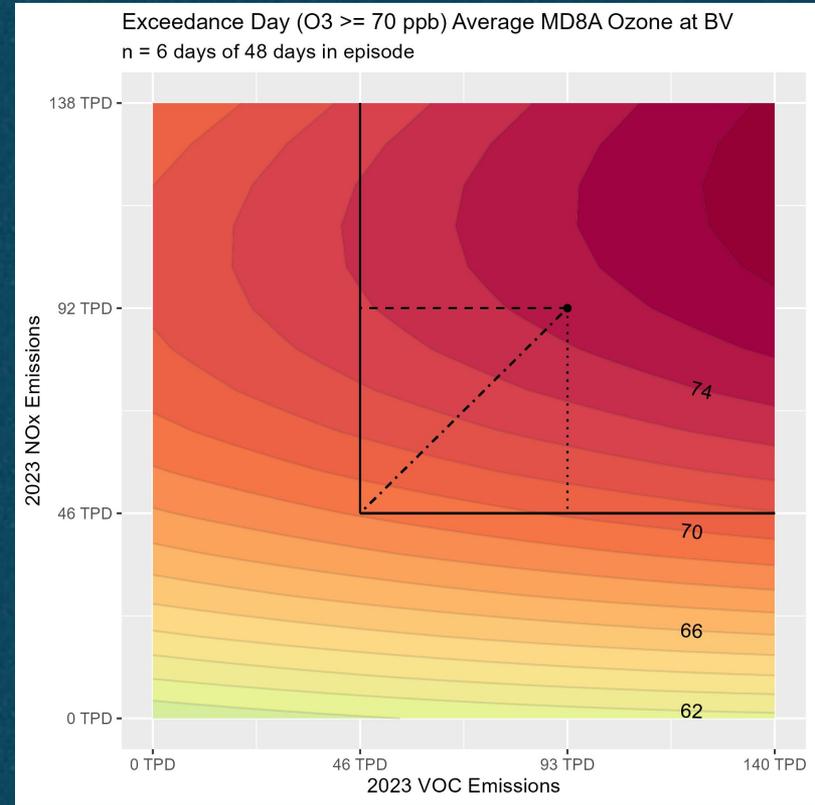
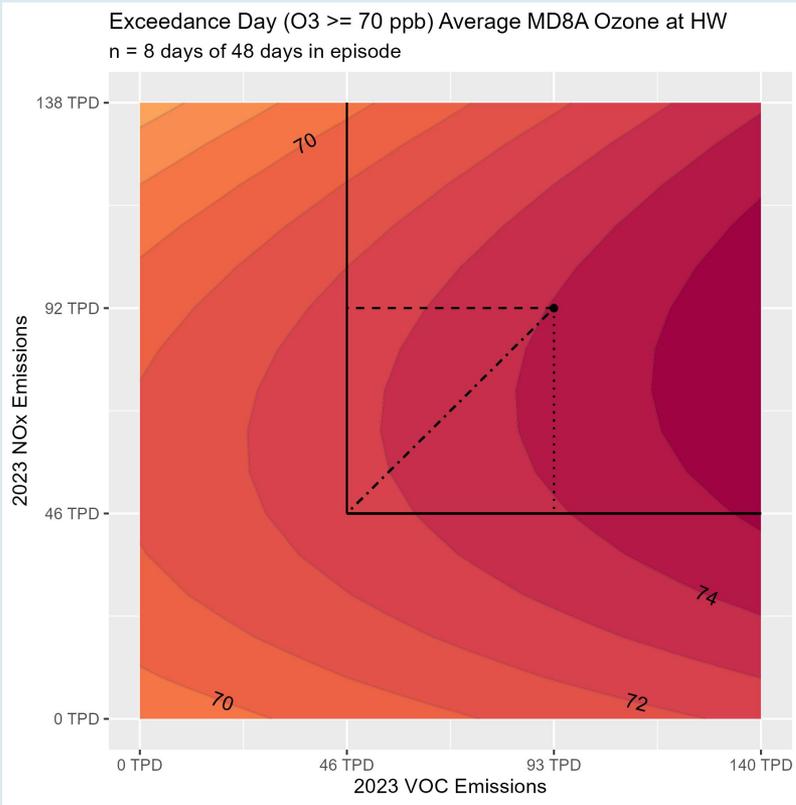
In the NWF, reductions in NO_x emissions can provide as great or greater an improvement in air quality when compare to VOC reductions.

A paired NO_x and VOC reduction approach is the most reasonable pathway to attaining the standard.



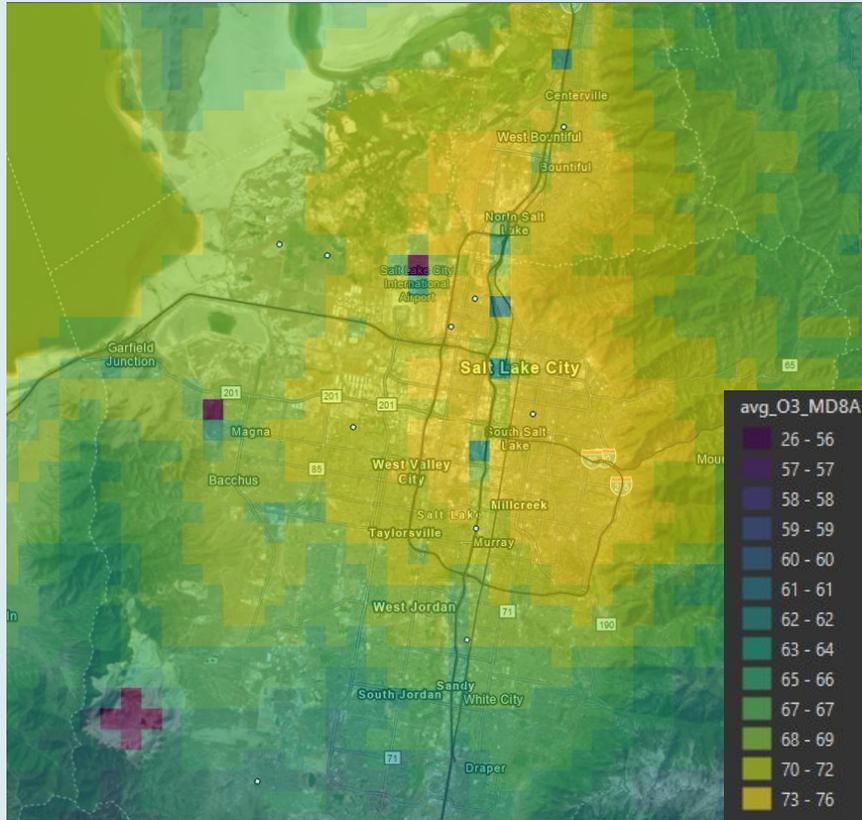
8-hour ozone isopleths representing NO_x and VOC reductions and the resulting predicted ozone concentrations at Bountiful monitoring station in the NWF NAA. Analysis was conducted using CAMx version 7.1 High-Order Decoupled Direct Method (HDDM) and demonstrates the sensitivity of the NWF NAA to changes in anthropogenic NO_x and/or VOC reductions.

Pathway to Attain



8-hour ozone isopleths representing NO_x and VOC reductions and the resulting predicted ozone concentrations at Bountiful monitoring station in the NWF NAA. Analysis was conducted using CAMx version 7.1 High-Order Decoupled Direct Method (HDDM) and demonstrates the sensitivity of the NWF NAA to changes in anthropogenic NO_x and/or VOC reductions.

Pathway to Attain



8-hour ozone grid cells represented as the average MD8A ozone value over exceedance days (highest value each day). Maxima may not occur at exactly the same time period.

Utah Focused Scientific Advancements

**Utah Summer
Ozone Study
(USOS)**

July 2024

**Photochemical
Assessment
Monitoring**

**Updated
Photochemical
Modeling**



NOAA DHC-6-300 twin otter plane

Photo from UWFPS NOAA study

Winter 2017

— Multi-State Transportation Letter

Governor Cox sent a multi-state letter to President Biden

- **4 Western States:**
 - Utah - led effort
 - Colorado
 - Wyoming
 - Arizona
- **Focused on transportation funding challenges and provided a list of solutions that these states agree would improve the implementation of CAA ozone standards throughout the Intermountain West:**
 - Improving Exceptional Events framework;
 - Common sense reforms to Renewable Fuel Standards;
 - Work to approve “outside of the box solutions”;
 - Improve the process of assisting and approving projects;
 - Revisit transportation project definitions;
 - Work with states on protecting highway funding for transportation projects that reduce emissions; and
 - Work with states to approve CAA 179B submissions for non-border states

Boundary Adjustment

- Utah has submitted a request to expand the boundary of the NWF NAA
- Anticipate that EPA will act on this request upon redesignation from moderate to serious in early 2025

Request for Adjustment of the Northern Wasatch Front Ozone Nonattainment Area Boundary for the 2015 8-hour Ozone National Ambient Air Quality Standard

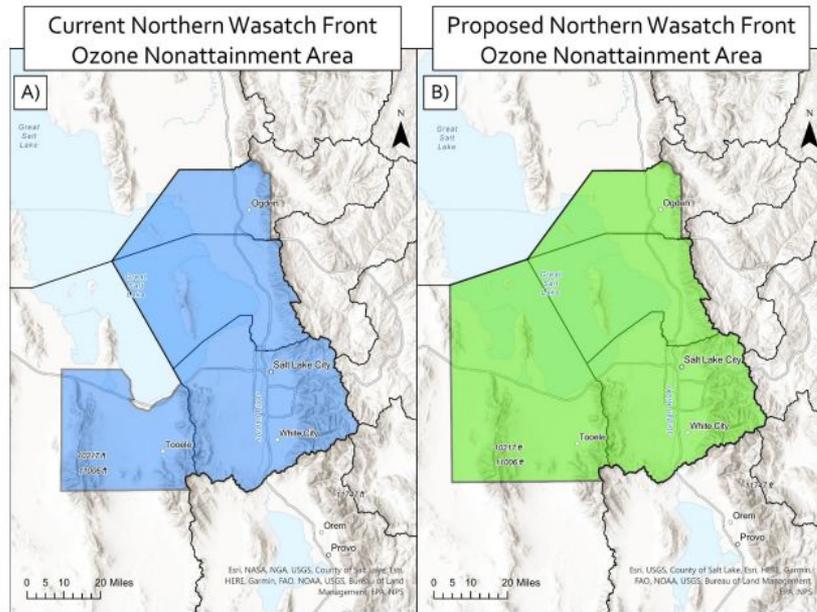
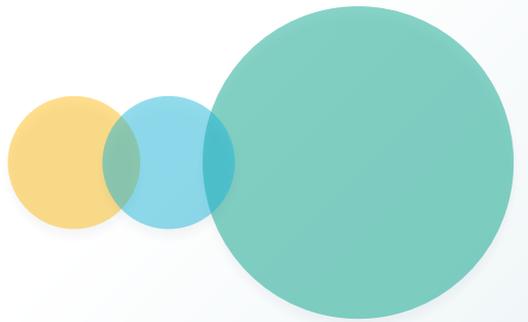


Figure 1: A) Current NWF NAA. B) Proposed NWF NAA.



Utah's Real World Strategies

- Work to meet requirements with the SIP planning tools that reduce emissions and show reasonable progress.
- Multistate letter/congressional actions to amend the prescriptive provisions of the Clean Air Act and EPA's implementing regulations.
- Work with EPA to find a pathway for substituting NO_x emissions for VOC emissions for RFP requirements.
- Prepare a modeling demonstration of the impact of international transported emissions under CAA 179B(b).

Ozone Attainment Plan

**Clean Air Act
Requirements**

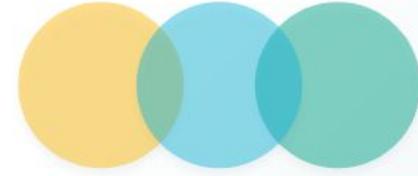
**Rules in
Progress**

**Real World
Solutions**



Clean Air Act 179B

Prevent serious nonattainment and
allow time for real world solutions



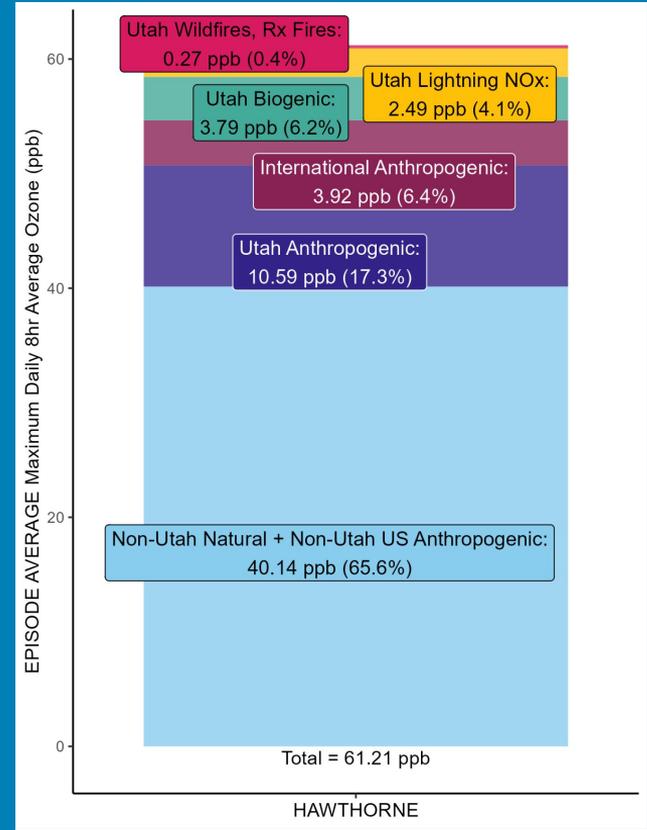
Clean Air Act 179B

CAA Section 179B

- Demonstration showing that the area would have attained the standard but for international contributions.
- Submit demonstration to EPA end of Fall, 2024 before area is reclassified to serious.
- Modeling funded by the legislature is being conducted by Ramboll and is expected to be completed by September 1, 2024.

Table 74: Future design values (FDV), source contribution estimates for international anthropogenic emissions (IAE) and adjusted future design values (FDV adj) at monitoring locations within the northern Wasatch Front non-attainment area.

Site	Site ID	County	FDV (ppb)	IAE (ppb)	FDV_adj
Bountiful	490110004	Davis	71	4.54	66
Hawthorne	490353006	Salt Lake	72	4.50	67
Herriman	490353013	Salt Lake	71	3.81	67
Erda	490450004	Tooele	70	4.06	65
Harrisville	490571003	Weber	70	3.12	66



CAA Section 179B

UDAQ is developing a 179B(b) for the NWF NAA for a Fall 2024 submission to EPA.

An approved 179B would not:

- Negate the requirement to reduce emissions and attain the standard.
- Remove sanctions from disapproved moderate SIP elements.

An Approved 179B would:

Give the state greater flexibility in how it approaches attaining the standard:

- What emission reductions are targeted;
- What programs are required; and
- Timeframe for implementation.

Opportunity for the State to remain on the record regarding the significant challenges facing it under current, and future, ozone NAAQS.

Ozone Attainment Plan

Clean Air Act Requirements

Requirements for SIP approval

Rules in Progress

Rules with short and long term outcomes that meet CAA requirements and get area closer to attainment

Real World Solutions

Results from studies will inform future policy to more effectively reduce ozone

Rules help meet 15% requirement

Research to find what rules are most effective



Clean Air Act 179B

Prevent serious nonattainment and allow time for real world solutions

Questions?



Ryan Bares



rbares@utah.gov



UTAH DEPARTMENT of
ENVIRONMENTAL QUALITY
**AIR
QUALITY**

Air Toxics



State of Utah

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DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQA-281-24

MEMORANDUM

TO: Air Quality Board

FROM: Bryce C. Bird, Executive Secretary

DATE: May 2, 2024

SUBJECT: Air Toxics, Lead-Based Paint, and Asbestos (ATLAS) Section Compliance Activities – April 2024

Asbestos Demolition/Renovation NESHAP Inspections	18
Asbestos AHERA Inspections	17
Asbestos State Rules Only Inspections	4
Asbestos Notification Forms Accepted	187
Asbestos Telephone Calls	345
Asbestos Individuals Certifications Approved	151
Asbestos Company Certifications	12
Asbestos Alternate Work Practices Approved	1
Lead-Based Paint (LBP) Inspections	2
LBP Notification Forms Approved	0
LBP Telephone Calls	37
LBP Letters Prepared and Mailed	0
LBP Courses Reviewed/Approved	0
LBP Course Audits	0
LBP Individual Certifications Approved	41
LBP Firm Certifications	14

DAQA-281-24

Page 2

Notices of Violation Sent 0

Compliance Advisories Sent 9

Warning Letters Sent 6

Settlement Agreements Finalized 1

Penalties Agreed to:

Seagull Environmental Management Company Inc./James Stump \$3,375.00

Compliance



State of Utah

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DAQC-428-24

MEMORANDUM

TO: Air Quality Board
FROM: Bryce C. Bird, Executive Secretary
DATE: May 3, 2024
SUBJECT: Compliance Activities – April 2024

ACTIVITIES:

Activity	Monthly Total	36-Month Average
Inspections	68	60
On-Site Stack Test & CEM Audits	9	5
Stack Test & RATA Report Reviews	45	35
Emission Report Reviews	28	17
Temporary Relocation Request Reviews	5	6
Fugitive Dust Control Plan Reviews	142	127
Soil Remediation Report Reviews	2	2
Open Burn Permits Issued	3,116	438
Miscellaneous Inspections ¹	6	17
Complaints Received	27	16
Wood Burning Complaints Received	0	3
Breakdown Reports Received	2	1
Compliance Actions Resulting from a Breakdown	0	0
VOC Inspections (Gas station vapor recovery)	0	0
Warning Letters Issued	0	2
Notices of Violation Issued	0	0
Compliance Advisories Issued	2	5
No Further Action Letters Issued	0	2
Settlement Agreements Reached	0	2
Penalties Assessed	0	\$120,812.85

¹Miscellaneous inspections include, e.g., surveillance, complaint, on-site training, dust patrol, smoke patrol, open burning, etc.

SETTLEMENT AGREEMENTS:

Party	Amount

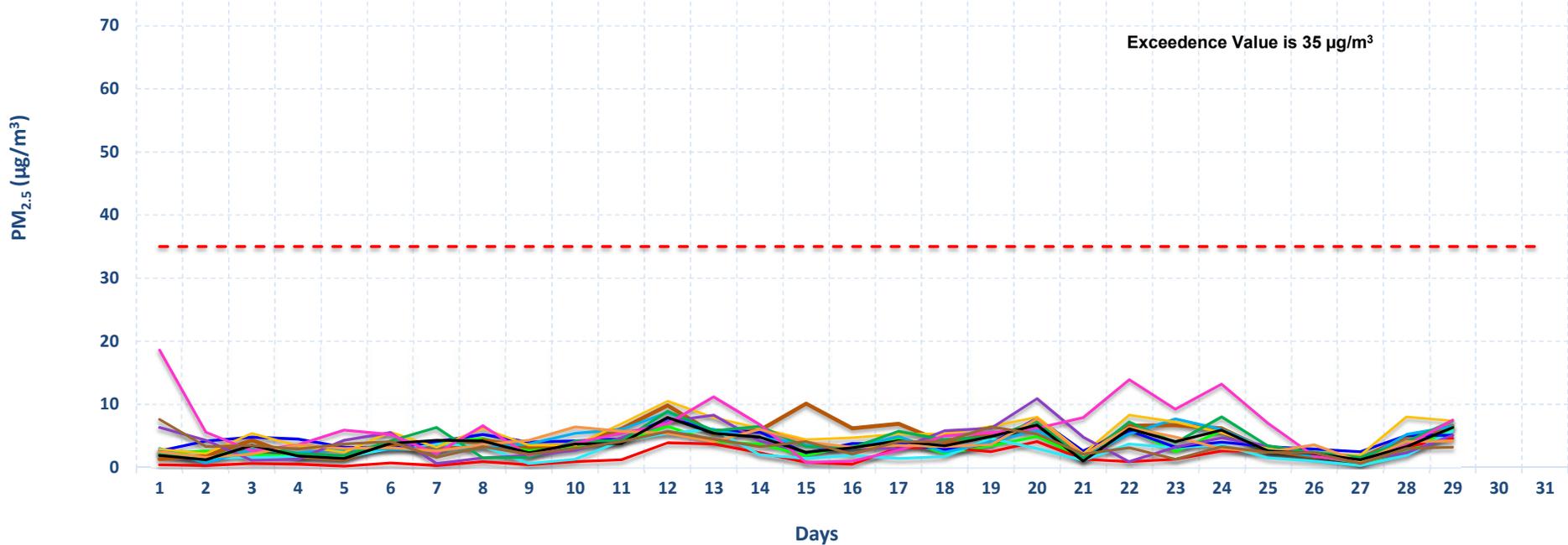
UNRESOLVED NOTICES OF VIOLATION:

Party	Date Issued
Citation Oil and Gas (in administrative litigation)	01/15/2020
Ovintiv Production Inc.	07/14/2020
Uinta Wax Operating (formerly CH4 Finley)	07/24/2020
Finley Resources	09/15/2022
Holcim	12/19/2023
Holcim	03/01/2024
Holcim	03/27/2024

Air Monitoring

Utah 24-Hr PM_{2.5} Data February 2024

	BV	CV	ED	HV	HW	LN	NR	RS	RP	SM	SF	EQ	V4
Arith Mean	3	5	2	3	4	4	5	4	4	6	4	4	3
Max 24-hr Avg	7	10	5	6	8	9	11	11	9	19	8	8	8
98th percentile	6	10	4	6	8	8	9	9	8	16	7	7	7
Days of Data	29	29	29	29	29	29	29	29	29	29	29	29	29
Days >35 µg/m ³	0	0	0	0	0	0	0	0	0	0	0	0	0

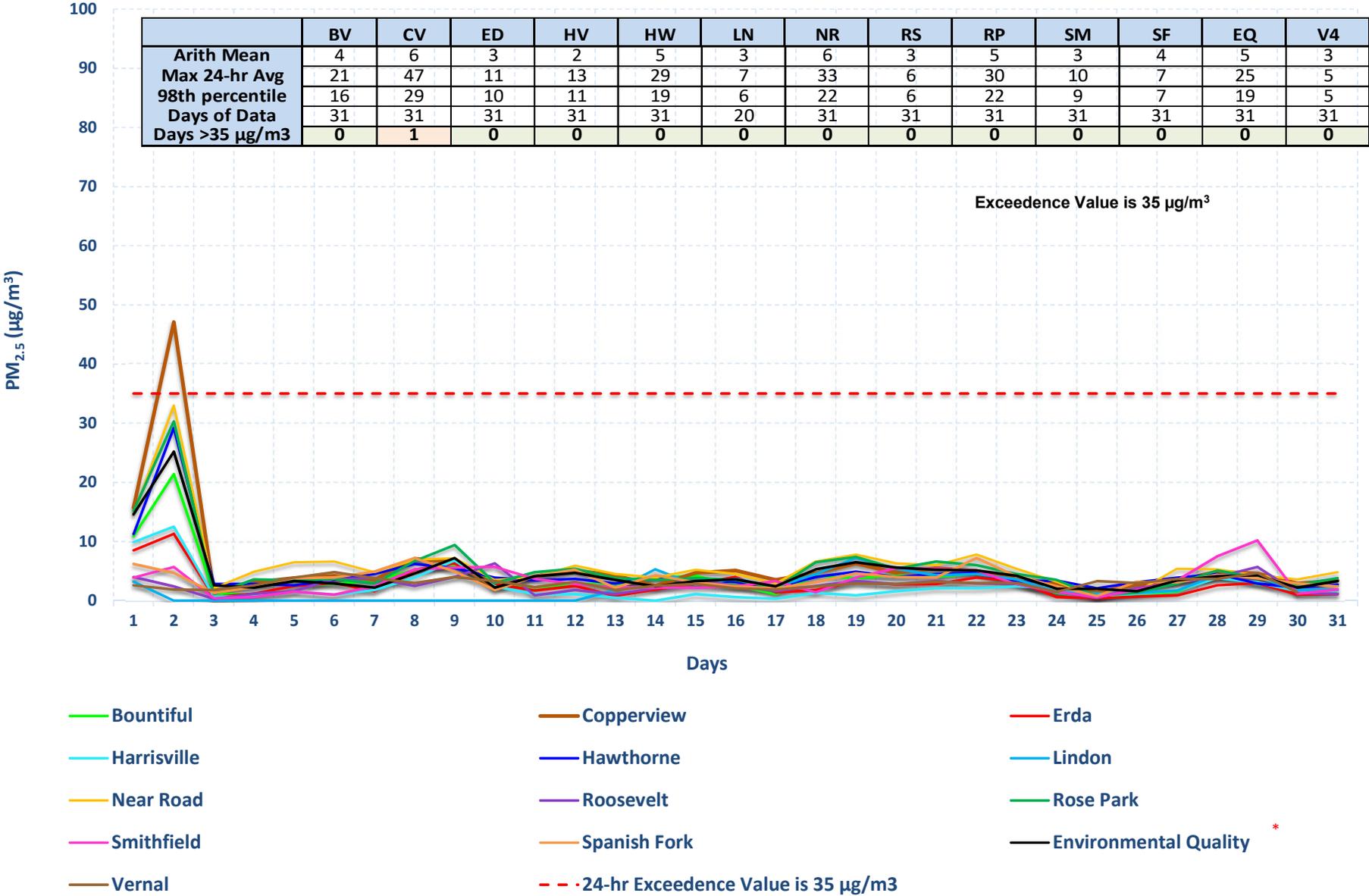


- Bountiful
- Copperview
- Erda
- Harrisville
- Hawthorne
- Lindon
- Near Road
- Roosevelt
- Rose Park
- Smithfield
- Spanish Fork
- Environmental Quality
- Vernal
- - - 24-hr Exceedance Value is 35 µg/m³

* Environmental Quality (EQ) previously named Technical Support Center (TSC)

Utah 24-Hr PM_{2.5} Data March 2024

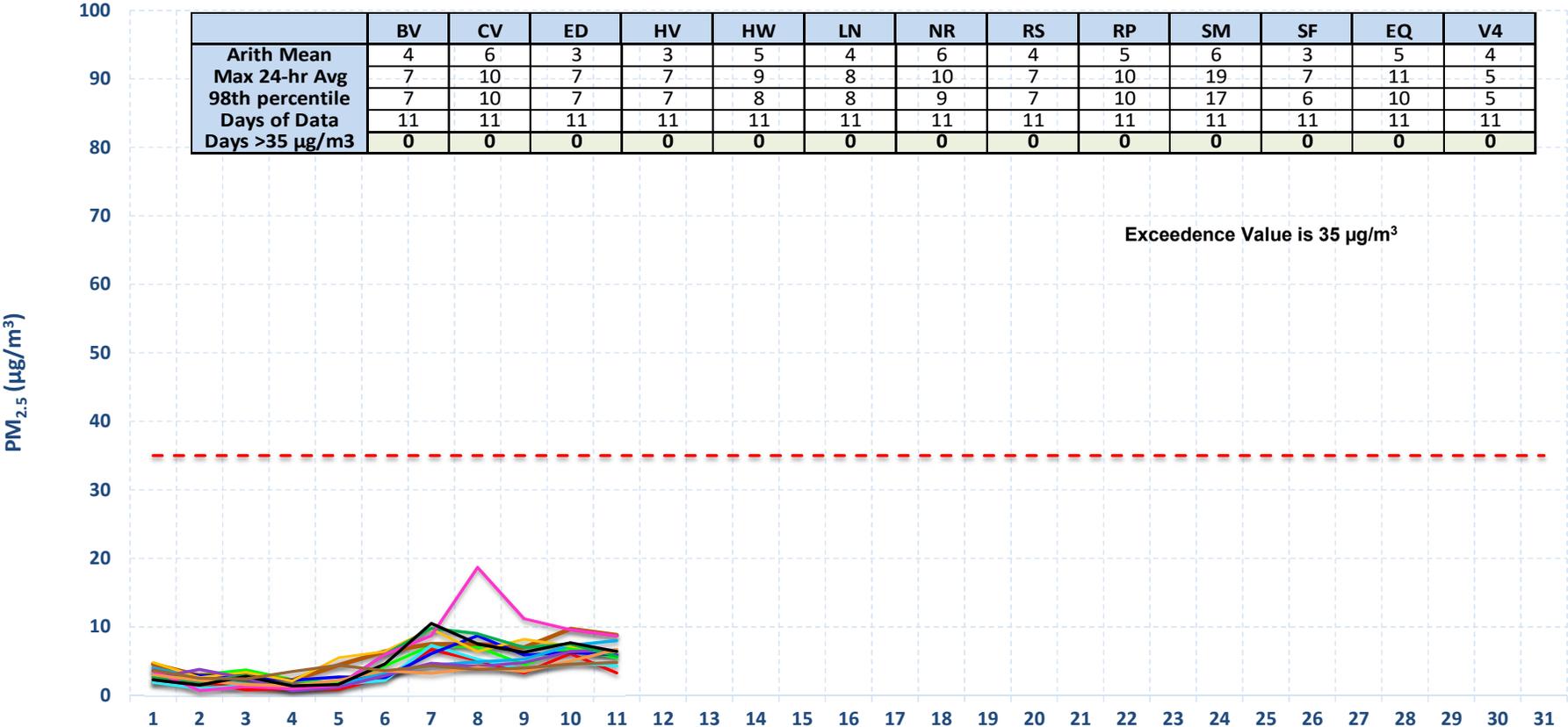
	BV	CV	ED	HV	HW	LN	NR	RS	RP	SM	SF	EQ	V4
Arith Mean	4	6	3	2	5	3	6	3	5	3	4	5	3
Max 24-hr Avg	21	47	11	13	29	7	33	6	30	10	7	25	5
98th percentile	16	29	10	11	19	6	22	6	22	9	7	19	5
Days of Data	31	31	31	31	31	20	31	31	31	31	31	31	31
Days >35 µg/m3	0	1	0	0	0	0	0	0	0	0	0	0	0



* Environmental Quality (EQ) previously named Technical Support Center (TSC)

Utah 24-Hr PM_{2.5} Data April 2024

	BV	CV	ED	HV	HW	LN	NR	RS	RP	SM	SF	EQ	V4
Arith Mean	4	6	3	3	5	4	6	4	5	6	3	5	4
Max 24-hr Avg	7	10	7	7	9	8	10	7	10	19	7	11	5
98th percentile	7	10	7	7	8	8	9	7	10	17	6	10	5
Days of Data	11	11	11	11	11	11	11	11	11	11	11	11	11
Days >35 µg/m3	0	0	0	0	0	0	0	0	0	0	0	0	0



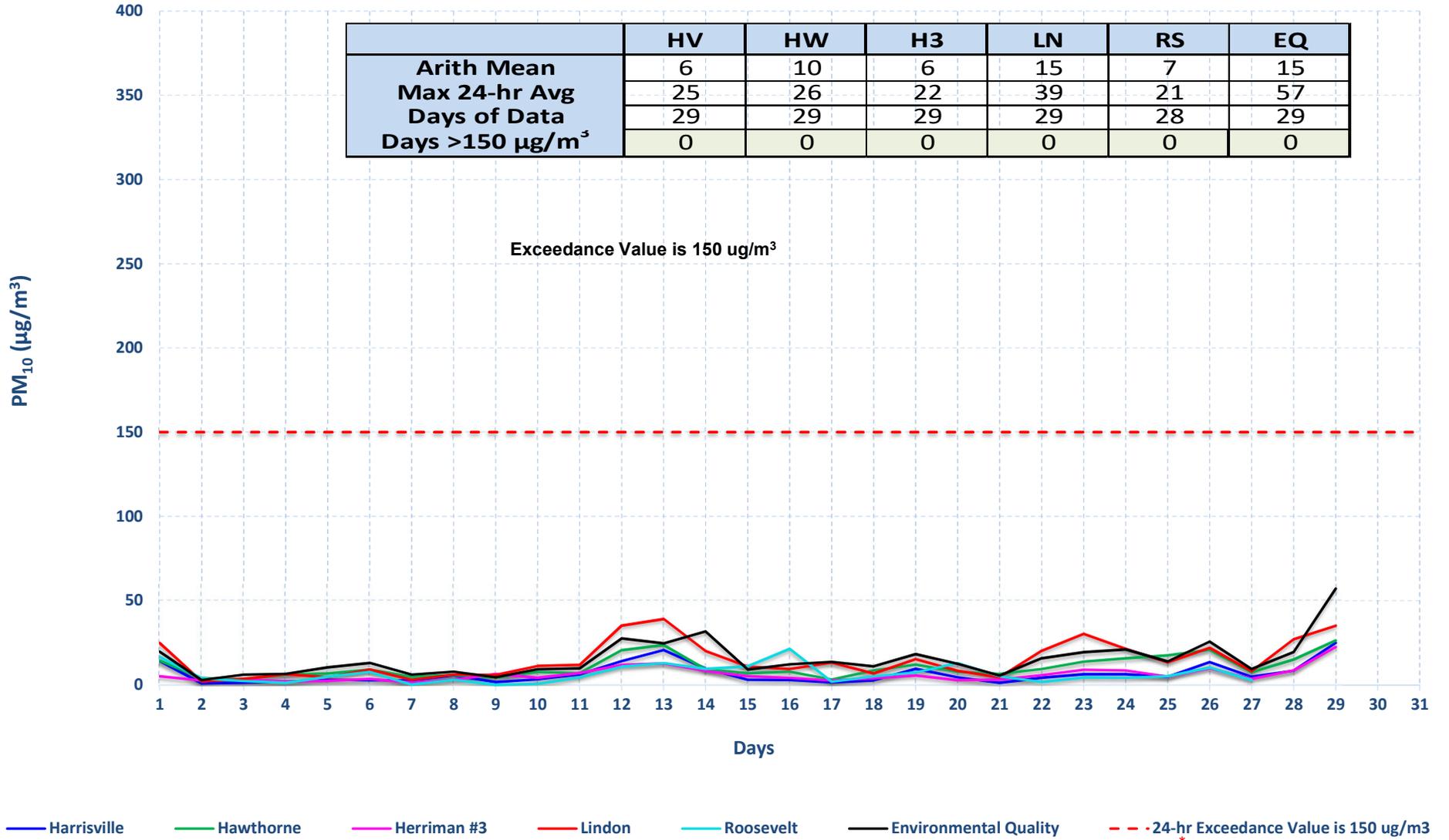
Exceedence Value is 35 µg/m³

- Bountiful
- Copperview
- Erda
- Harrisville
- Hawthorne
- Lindon
- Near Road
- Roosevelt
- Rose Park
- Smithfield
- Spanish Fork
- Environmental Quality *
- Vernal
- - - 24-hr Exceedence Value is 35 µg/m³

* Environmental Quality (EQ) previously named Technical Support Center (TSC)

Utah 24-hr PM₁₀ Data February 2024

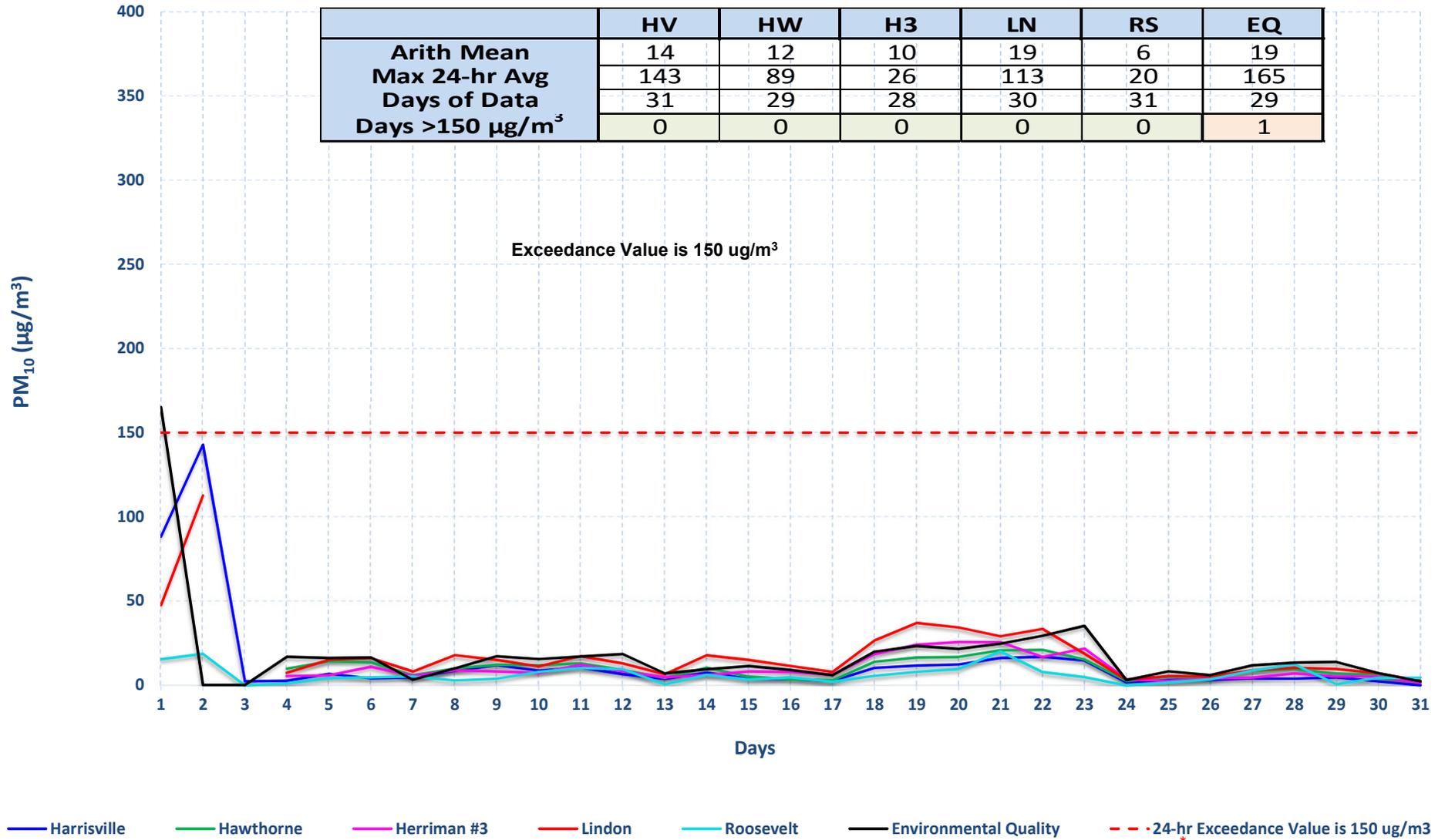
	HV	HW	H3	LN	RS	EQ
Arith Mean	6	10	6	15	7	15
Max 24-hr Avg	25	26	22	39	21	57
Days of Data	29	29	29	29	28	29
Days >150 µg/m³	0	0	0	0	0	0



* Environmental Quality (EQ) previously named Technical Support Center (TSC)

Utah 24-hr PM₁₀ Data March 2024

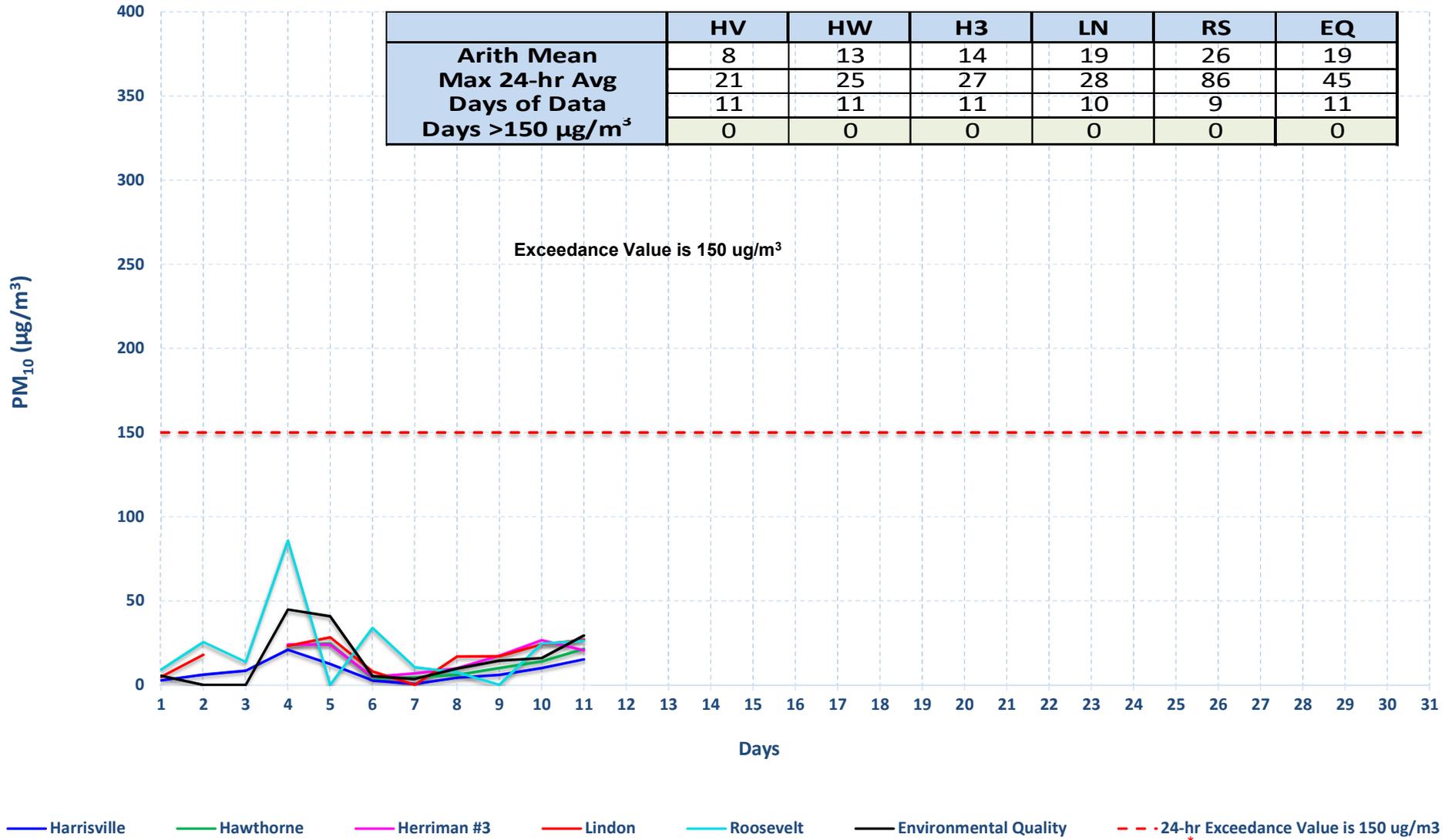
	HV	HW	H3	LN	RS	EQ
Arith Mean	14	12	10	19	6	19
Max 24-hr Avg	143	89	26	113	20	165
Days of Data	31	29	28	30	31	29
Days >150 µg/m³	0	0	0	0	0	1



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Utah 24-hr PM₁₀ Data April 2024

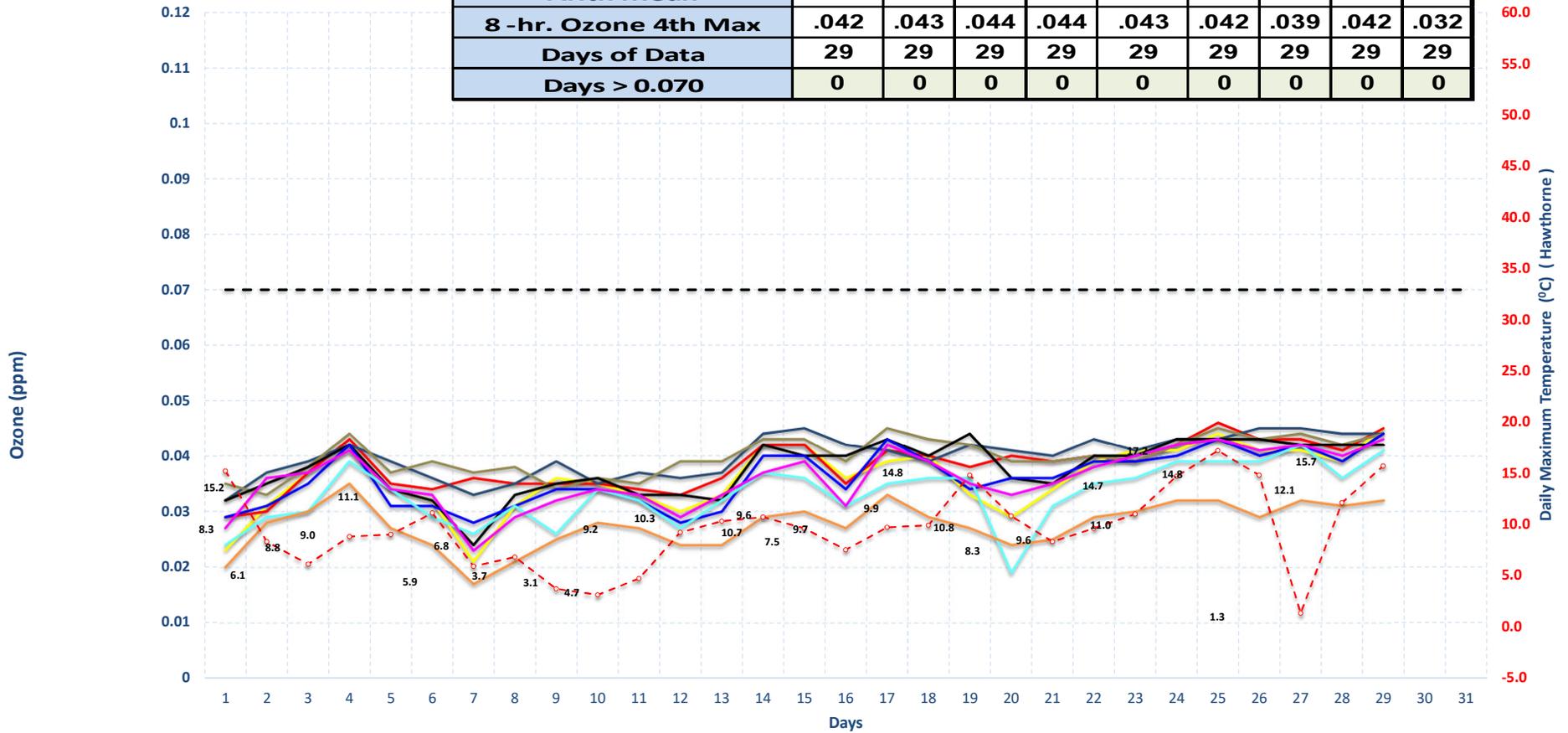
	HV	HW	H3	LN	RS	EQ
Arith Mean	8	13	14	19	26	19
Max 24-hr Avg	21	25	27	28	86	45
Days of Data	11	11	11	10	9	11
Days >150 µg/m³	0	0	0	0	0	0



* Environmental Quality (EQ) previously named Technical Support Center (TSC)

Highest 8-hr Ozone Concentration & Daily Maximum Temperature February 2024

	BV	CV	ED	H3	HV	HW	NR	RP	EQ
Arith Mean	.036	.038	.040	.040	.038	.036	.033	.036	.028
8-hr. Ozone 4th Max	.042	.043	.044	.044	.043	.042	.039	.042	.032
Days of Data	29								
Days > 0.070	0								



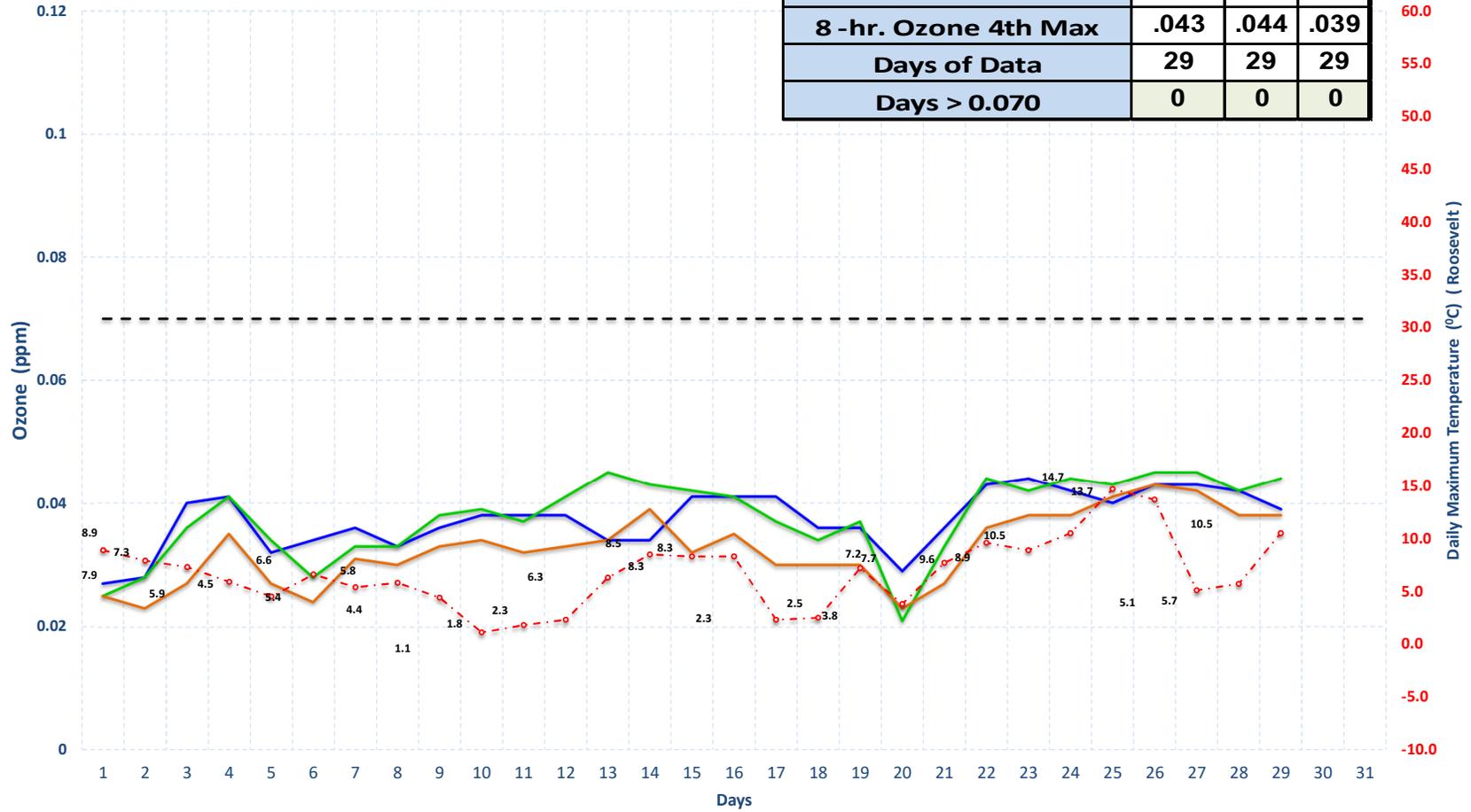
— Bountiful
 — Copperview
 — Erda
 — Herriman #3
 — Harrisville
 — Hawthorne
 — Near Road
 — Rose Park
 — Environmental Quality
 - - - Exceed.
 - - - TM

* Environmental Quality (EQ) previously named Technical Support Center (TSC)

** Controlling Monitor

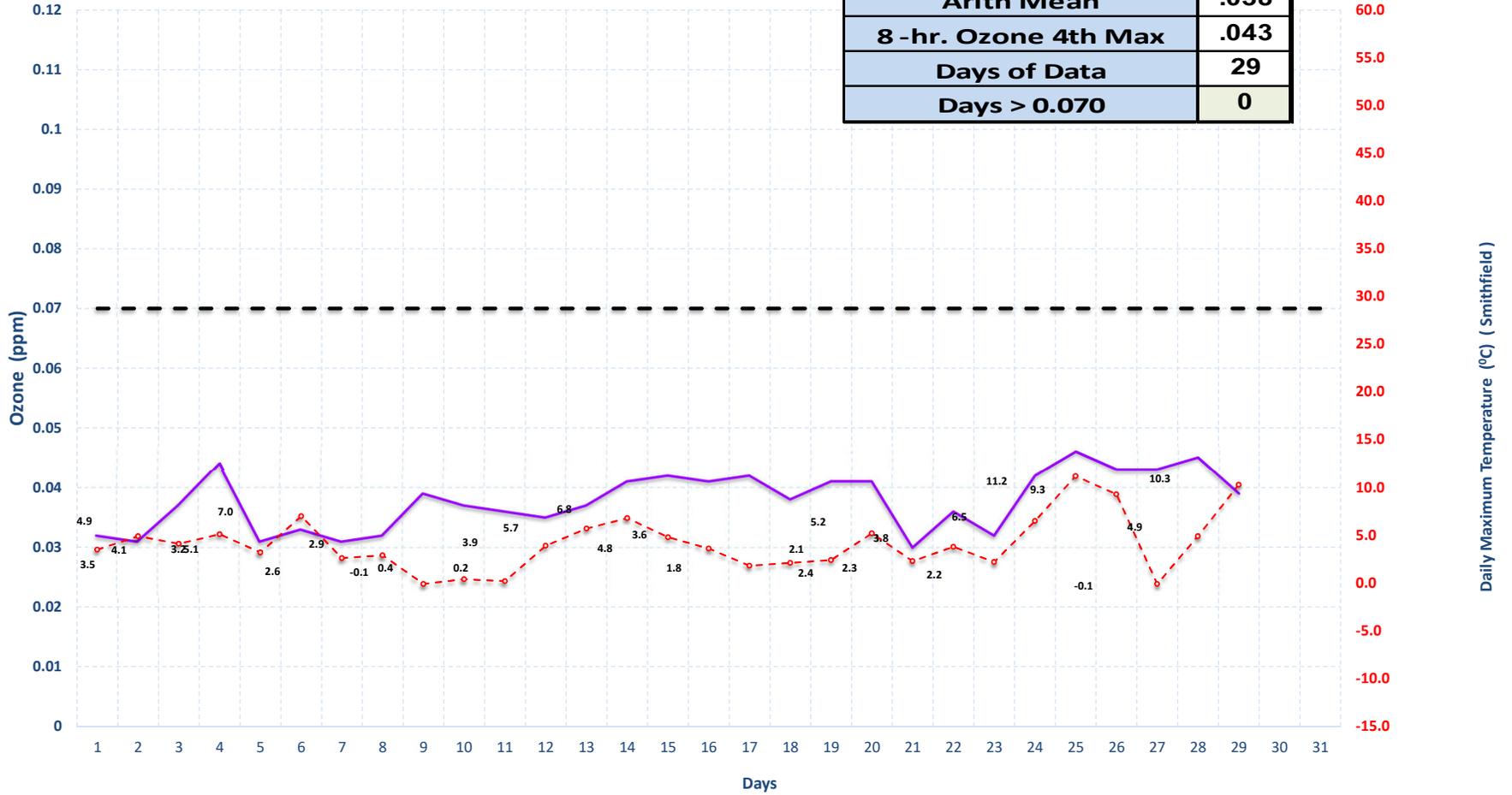
Highest 8-hr Ozone Concentration & Daily Maximum Temperature February 2024

	P2	RS	V4
Arith Mean	.037	.038	.033
8-hr. Ozone 4th Max	.043	.044	.039
Days of Data	29	29	29
Days > 0.070	0	0	0



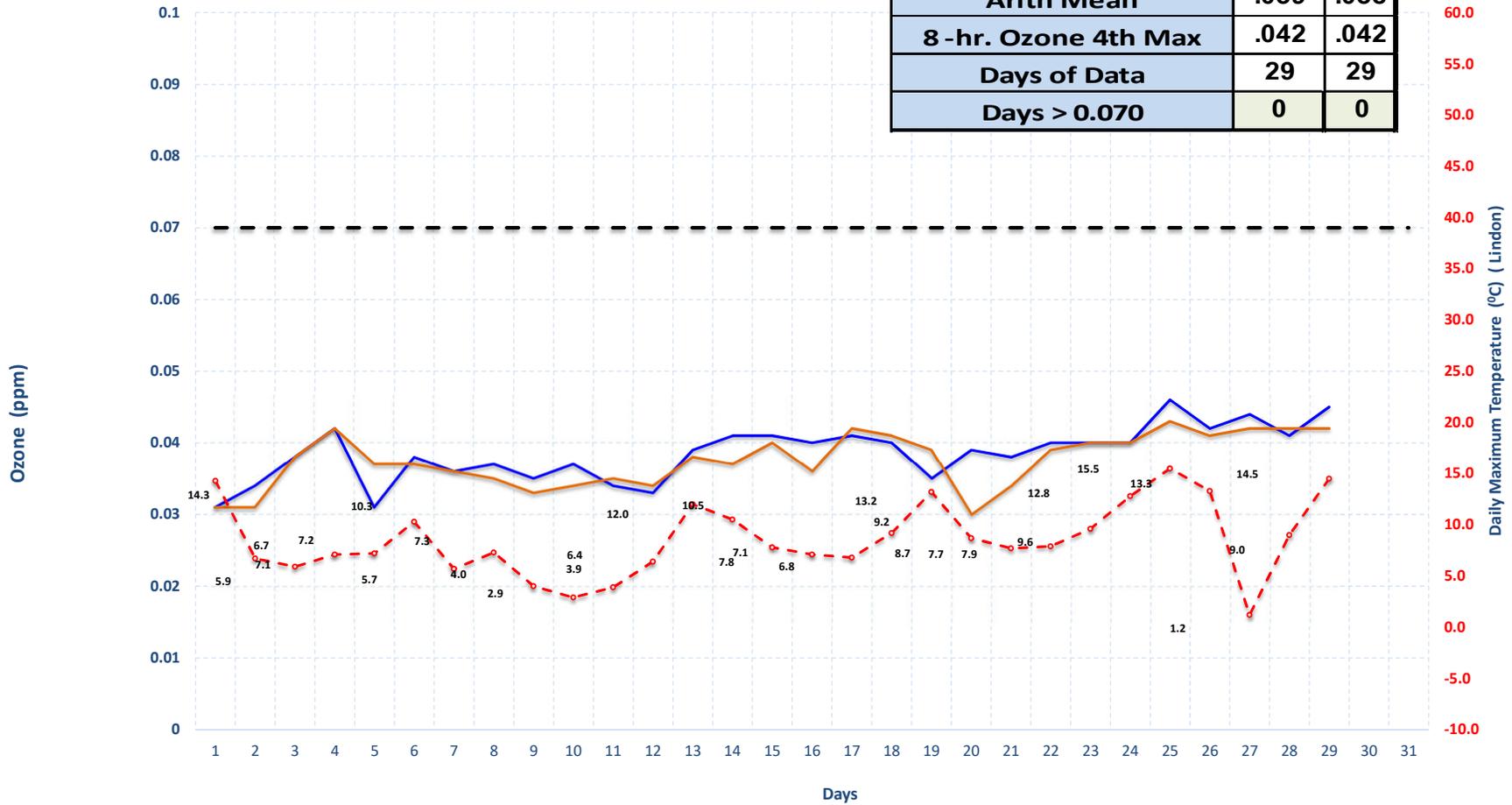
Highest 8-hr Ozone Concentration & Daily Maximum Temperature February 2024

	SM
Arith Mean	.038
8-hr. Ozone 4th Max	.043
Days of Data	29
Days > 0.070	0



Highest 8-hr Ozone Concentration & Daily Maximum Temperature February 2024

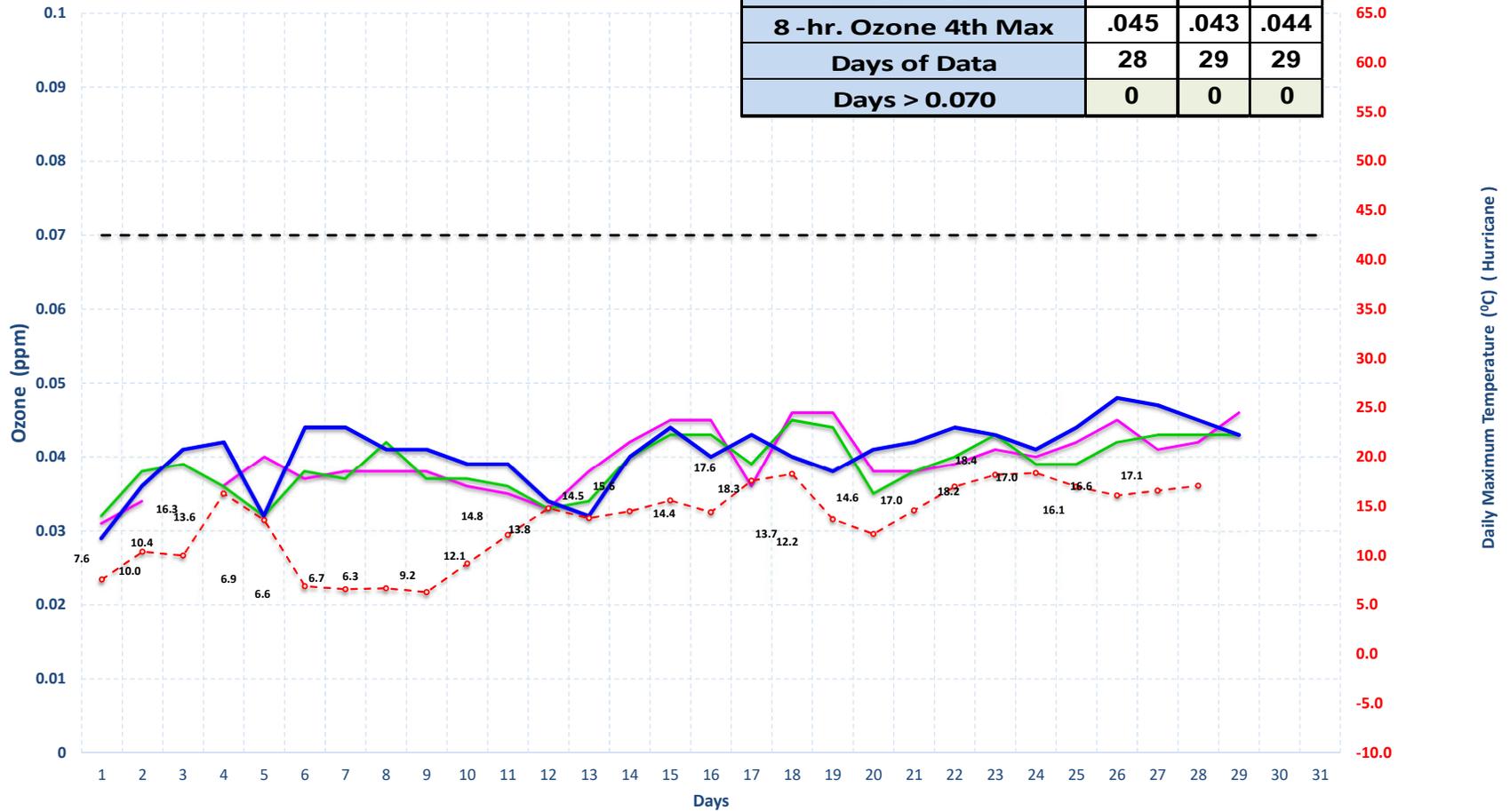
	LN	SF
Arith Mean	.039	.038
8-hr. Ozone 4th Max	.042	.042
Days of Data	29	29
Days > 0.070	0	0



— Lindon
 — Spanish Fork
 - - Exceed.
 - - o - - TM

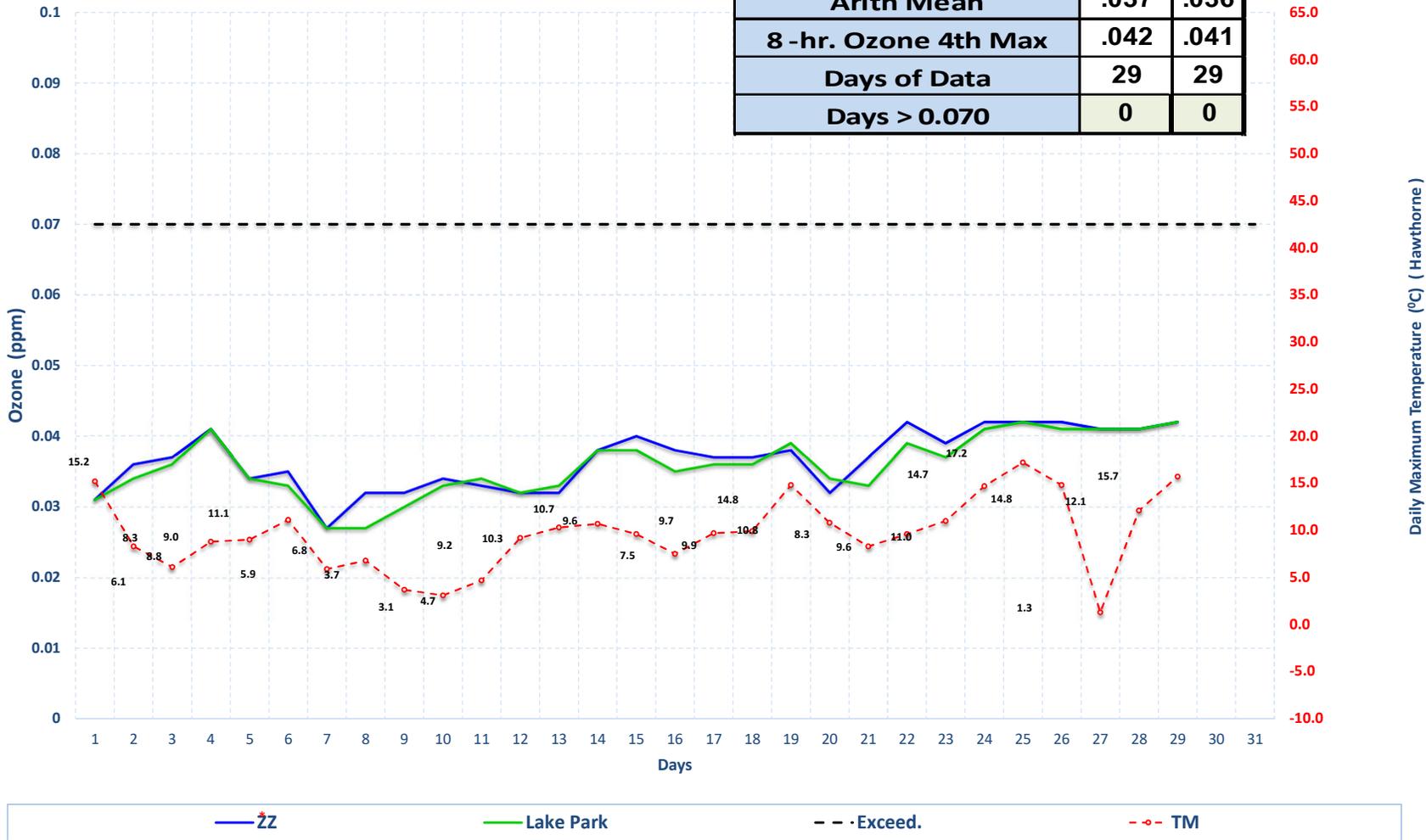
Highest 8-hr Ozone Concentration & Daily Maximum Temperature February 2024

	EN	HC	M7
Arith Mean	.040	.039	.041
8-hr. Ozone 4th Max	.045	.043	.044
Days of Data	28	29	29
Days > 0.070	0	0	0



Highest 8-hr Ozone Concentration & Daily Maximum Temperature February 2024 Stations Monitoring the Inland Port Development

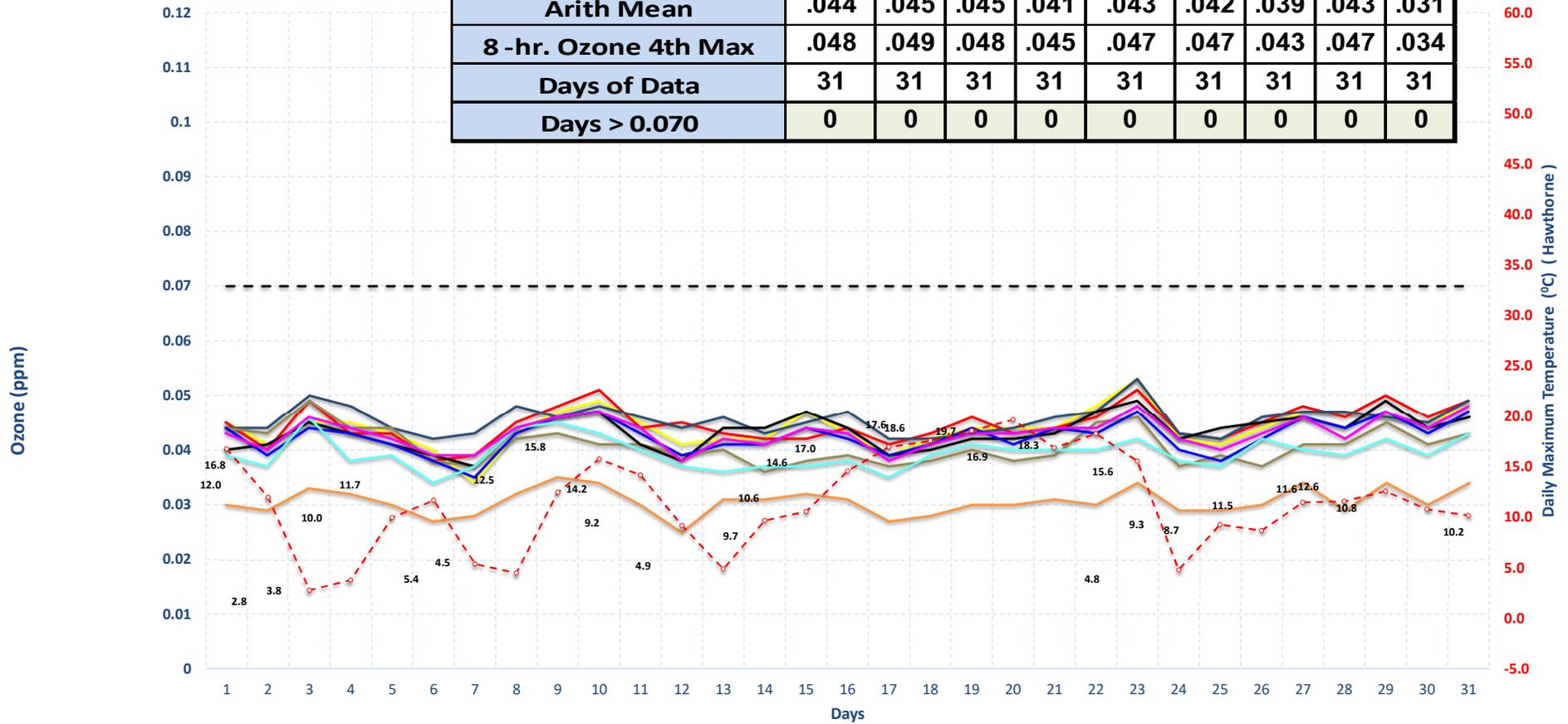
	ZZ	LP
Arith Mean	.037	.036
8-hr. Ozone 4th Max	.042	.041
Days of Data	29	29
Days > 0.070	0	0



* ZZ is located at the New Utah State Prison (1480 North 8000 West, SLC).
This site was previously named IP

Highest 8-hr Ozone Concentration & Daily Maximum Temperature March 2024

	BV	CV	ED	H3	HV	HW	NR	RP	EQ
Arith Mean	.044	.045	.045	.041	.043	.042	.039	.043	.031
8-hr. Ozone 4th Max	.048	.049	.048	.045	.047	.047	.043	.047	.034
Days of Data	31								
Days > 0.070	0								

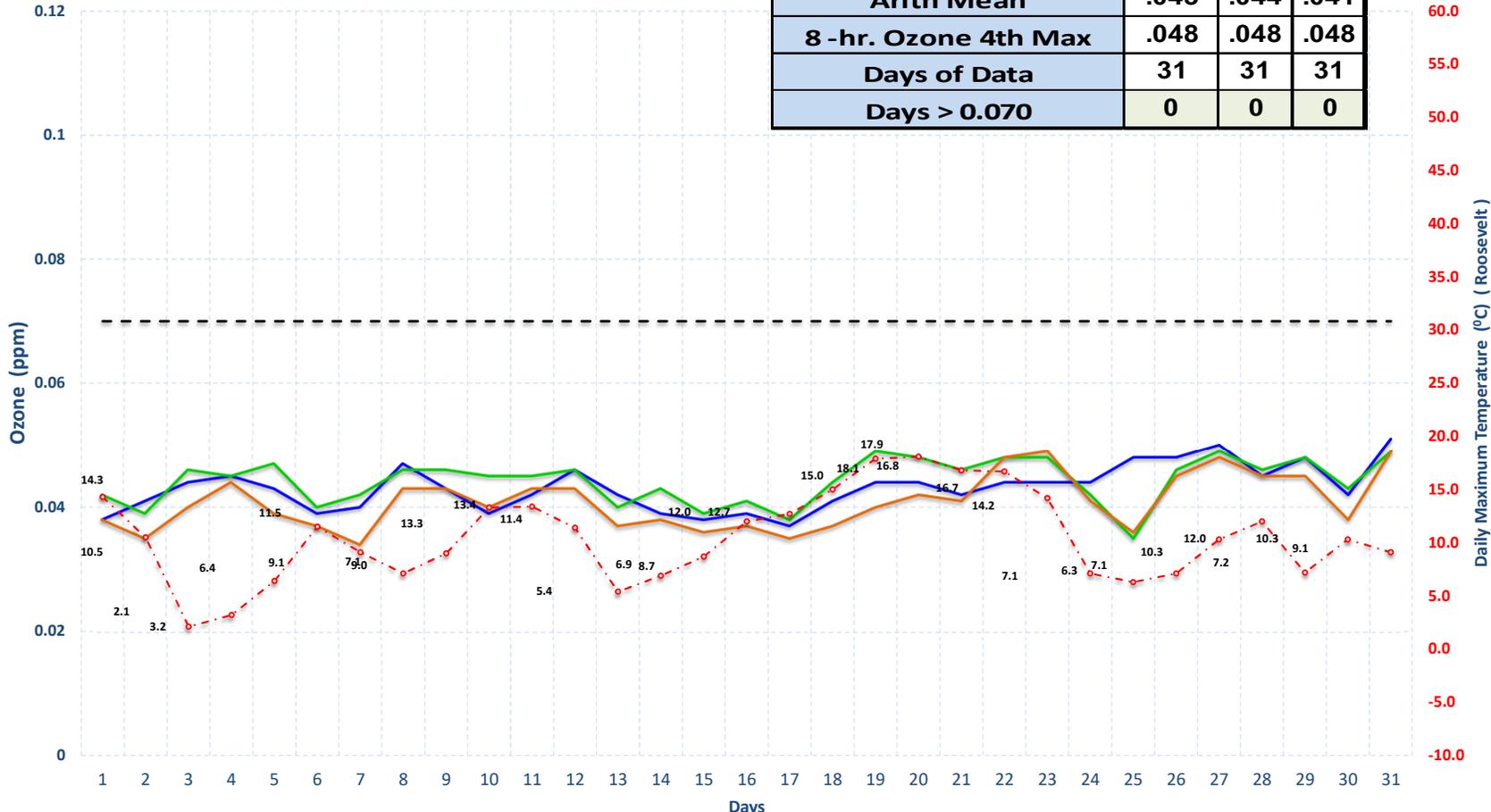


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** Controlling Monitor

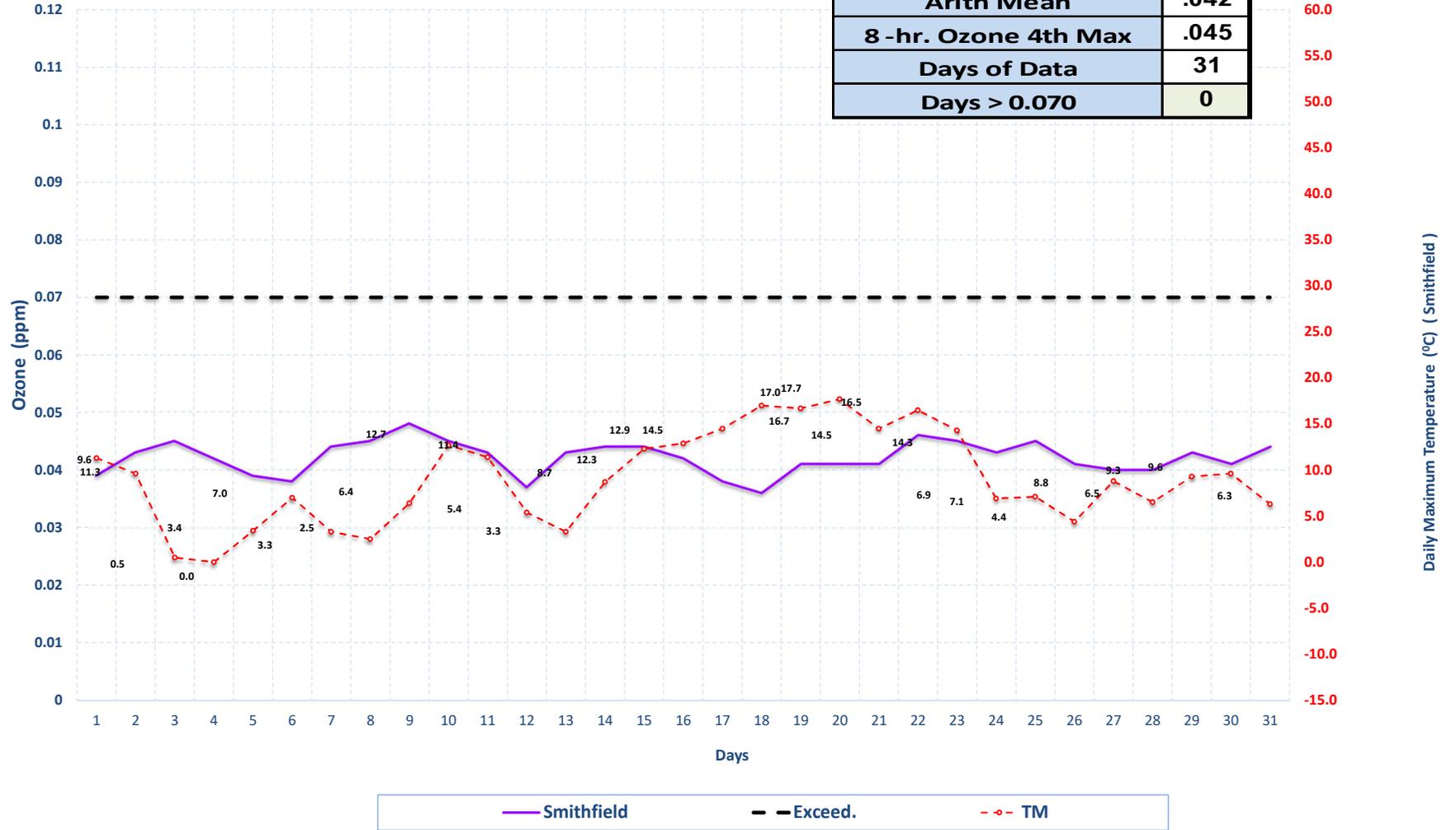
Highest 8-hr Ozone Concentration & Daily Maximum Temperature March 2024

	P2	RS	V4
Arith Mean	.043	.044	.041
8-hr. Ozone 4th Max	.048	.048	.048
Days of Data	31	31	31
Days > 0.070	0	0	0



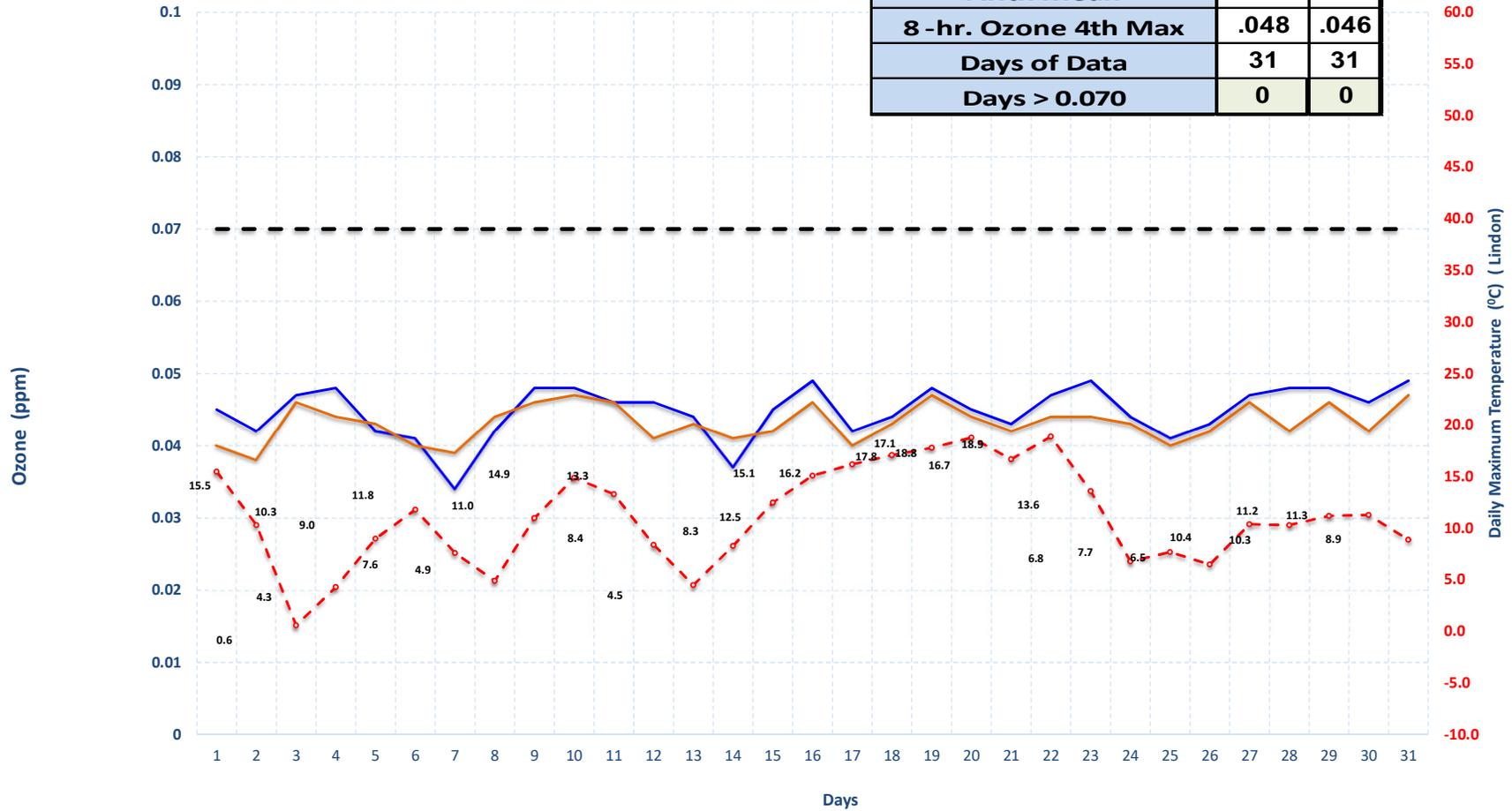
Highest 8-hr Ozone Concentration & Daily Maximum Temperature March 2024

	SM
Arith Mean	.042
8-hr. Ozone 4th Max	.045
Days of Data	31
Days > 0.070	0



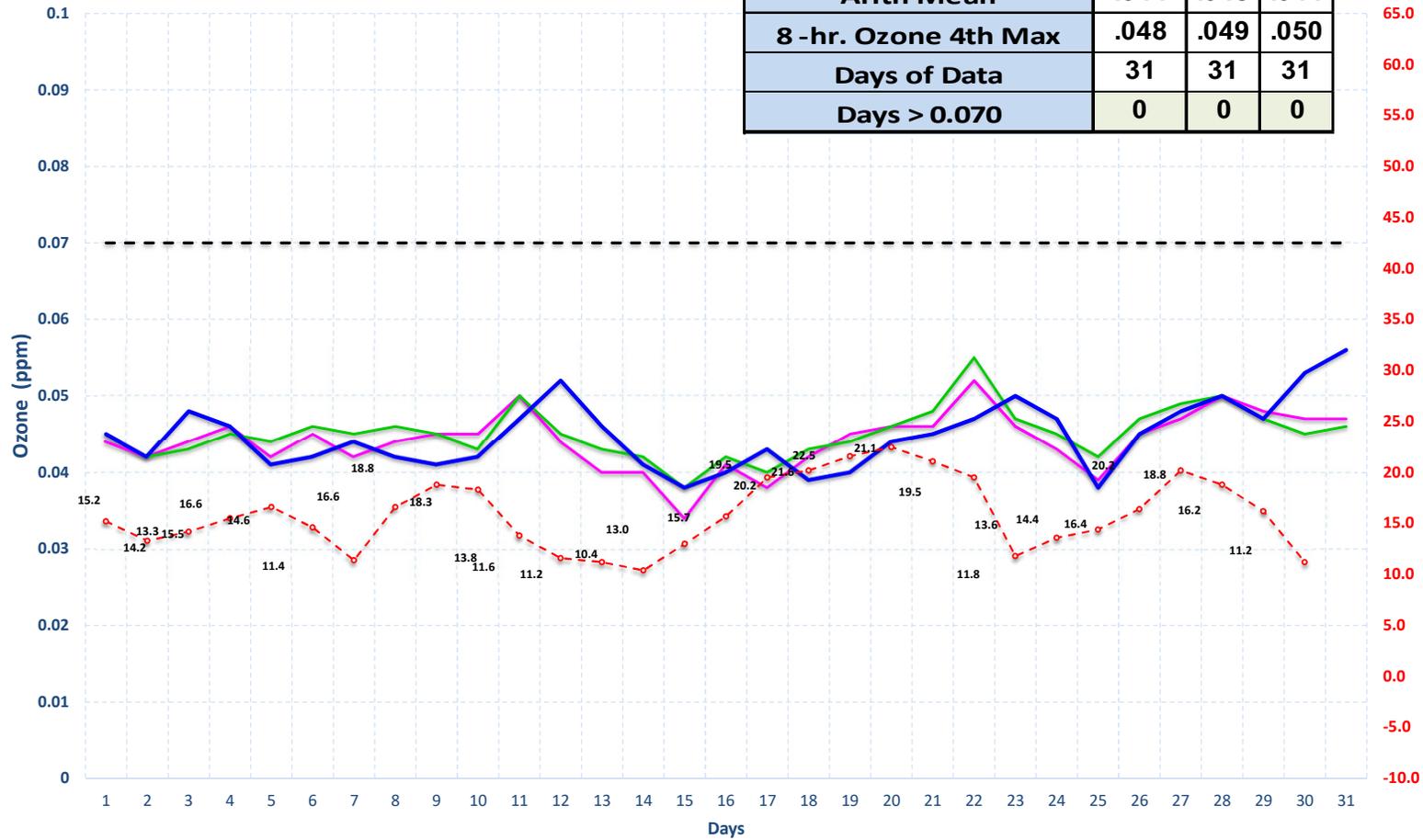
Highest 8-hr Ozone Concentration & Daily Maximum Temperature March 2024

	LN	SF
Arith Mean	.045	.043
8 -hr. Ozone 4th Max	.048	.046
Days of Data	31	31
Days > 0.070	0	0



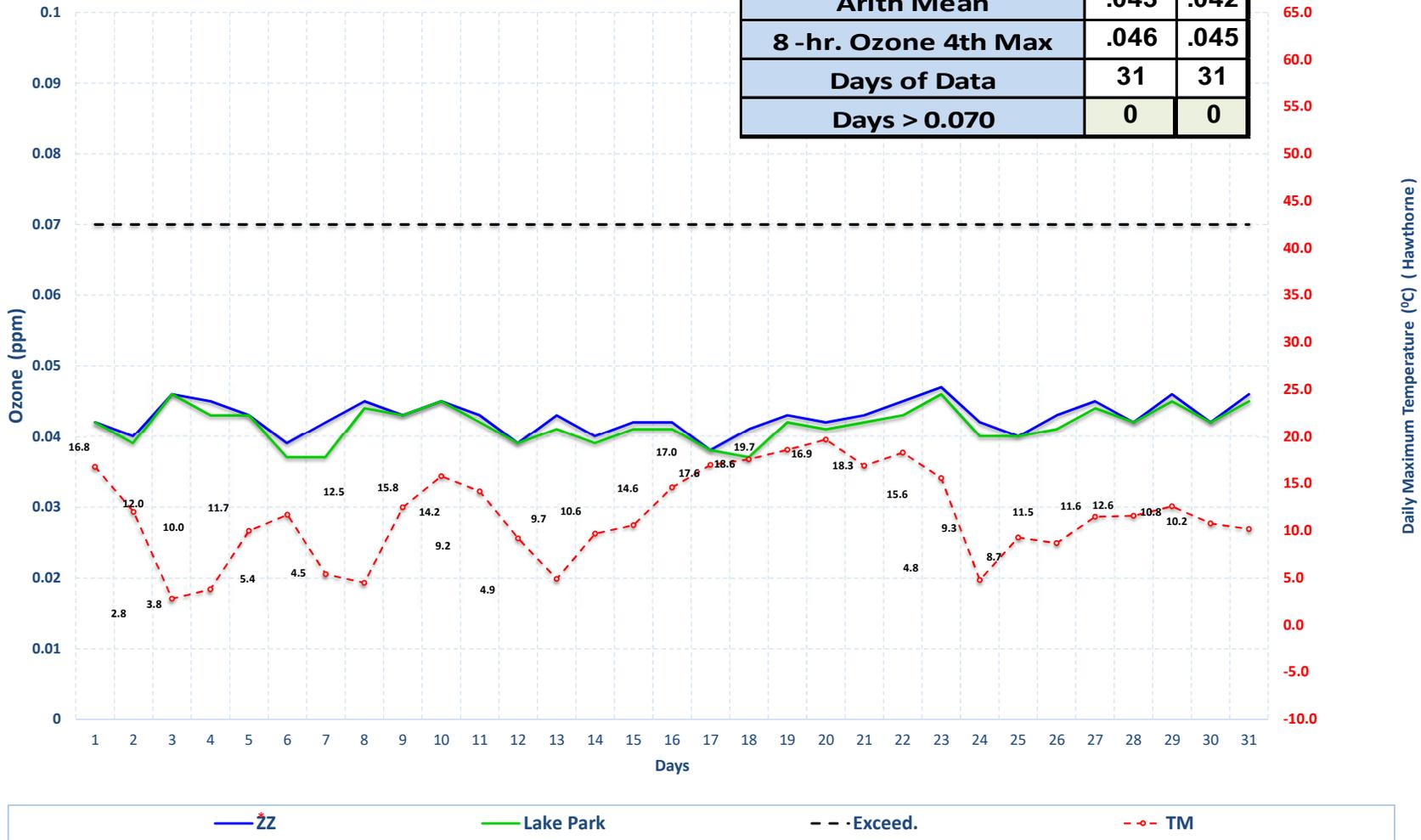
Highest 8-hr Ozone Concentration & Daily Maximum Temperature March 2024

	EN	HC	M7
Arith Mean	.044	.045	.044
8-hr. Ozone 4th Max	.048	.049	.050
Days of Data	31	31	31
Days > 0.070	0	0	0



Highest 8-hr Ozone Concentration & Daily Maximum Temperature March 2024 Stations Monitoring the Inland Port Development

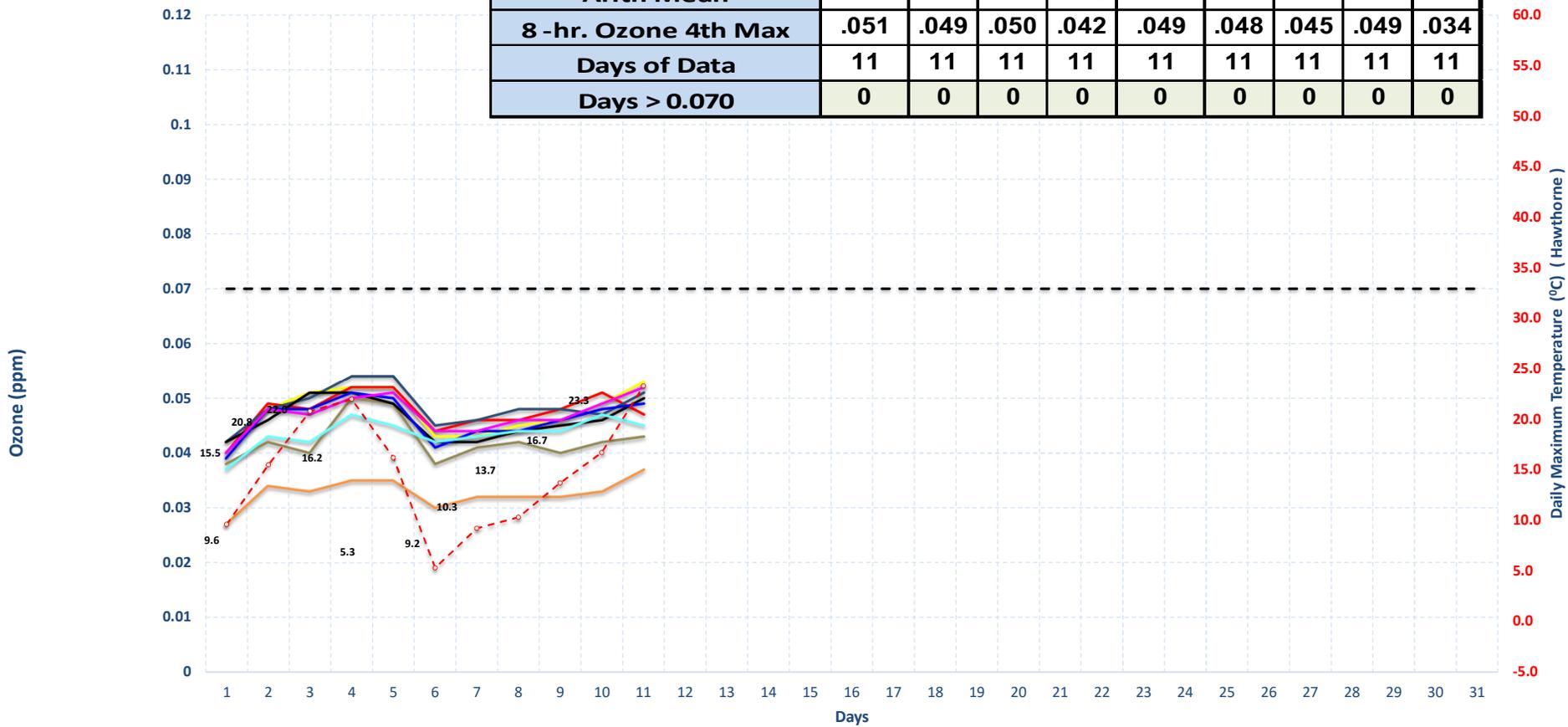
	ZZ	LP
Arith Mean	.043	.042
8 -hr. Ozone 4th Max	.046	.045
Days of Data	31	31
Days > 0.070	0	0



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This site was previously named IP

Highest 8-hr Ozone Concentration & Daily Maximum Temperature April 2024

	BV	CV	ED	H3	HV	HW	NR	RP	EQ
Arith Mean	.047	.048	.048	.042	.046	.046	.044	.047	.033
8 - hr. Ozone 4th Max	.051	.049	.050	.042	.049	.048	.045	.049	.034
Days of Data	11								
Days > 0.070	0								

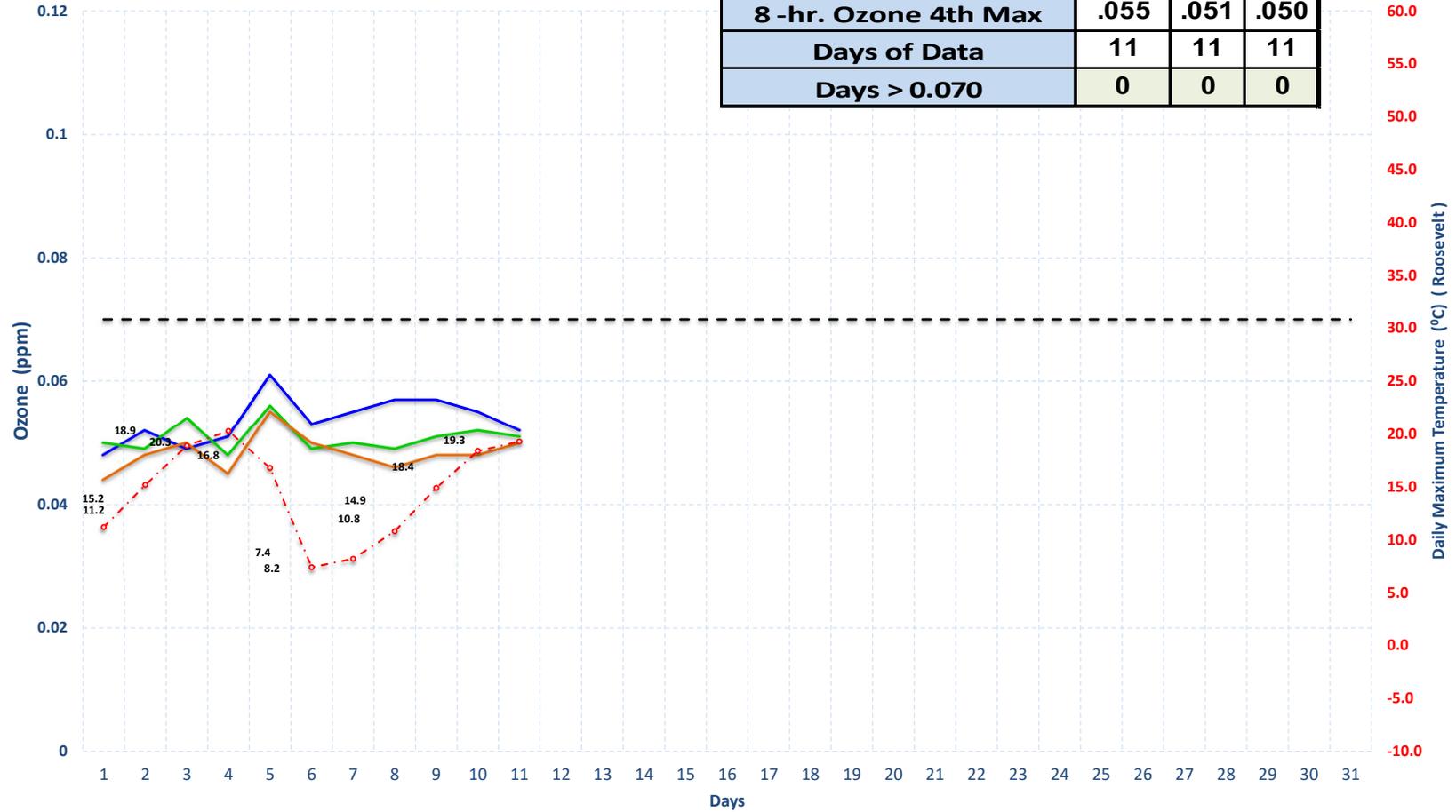


* Environmental Quality (EQ) previously named Technical Support Center (TSC)

** Controlling Monitor

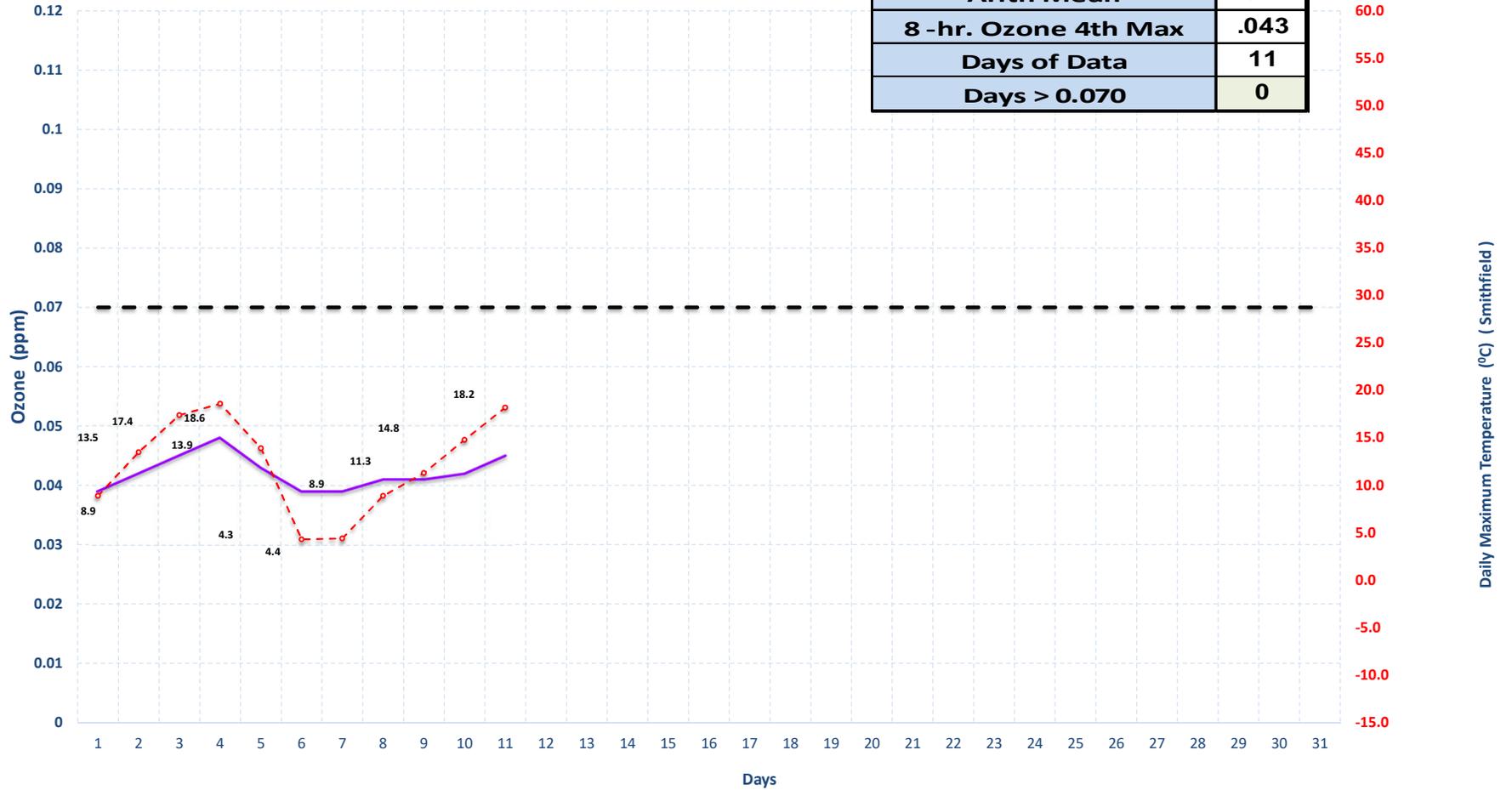
Highest 8-hr Ozone Concentration & Daily Maximum Temperature April 2024

	P2	RS	V4
Arith Mean	.054	.051	.048
8 -hr. Ozone 4th Max	.055	.051	.050
Days of Data	11	11	11
Days > 0.070	0	0	0



Highest 8-hr Ozone Concentration & Daily Maximum Temperature April 2024

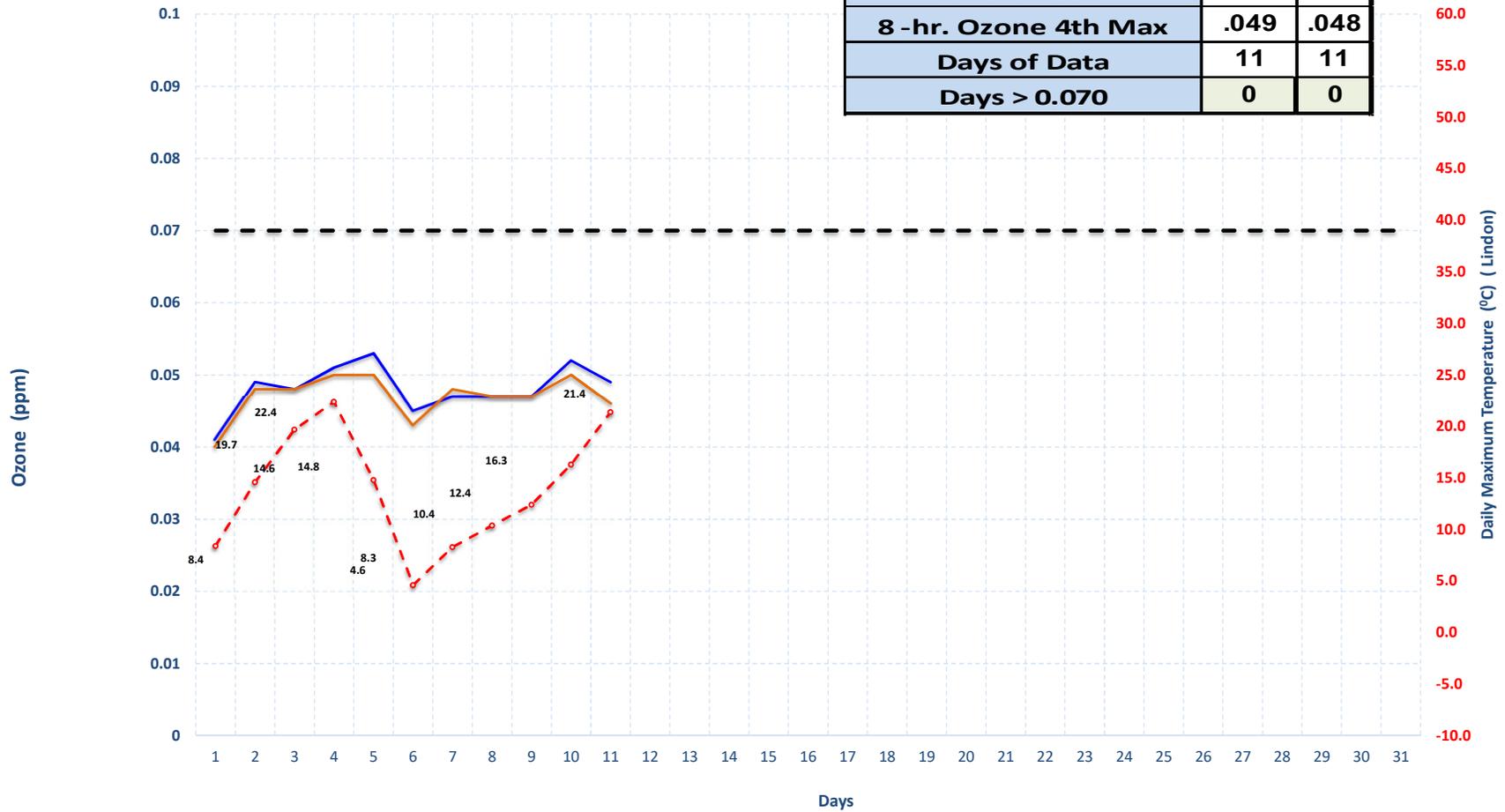
	SM
Arith Mean	.042
8-hr. Ozone 4th Max	.043
Days of Data	11
Days > 0.070	0



— Smithfield
 - - Exceed.
 - - o - - TM

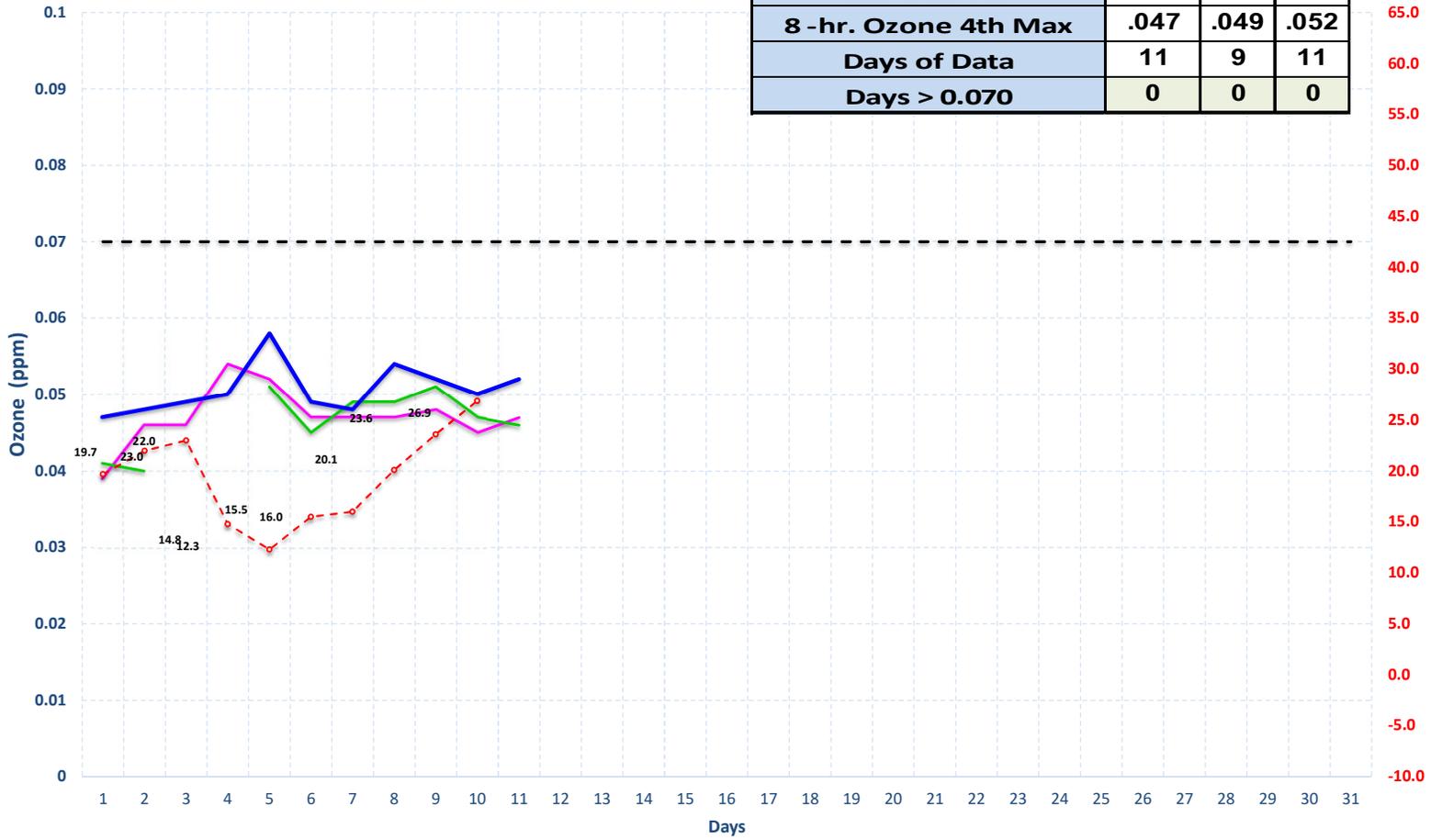
Highest 8-hr Ozone Concentration & Daily Maximum Temperature April 2024

	LN	SF
Arith Mean	.048	.047
8 -hr. Ozone 4th Max	.049	.048
Days of Data	11	11
Days > 0.070	0	0



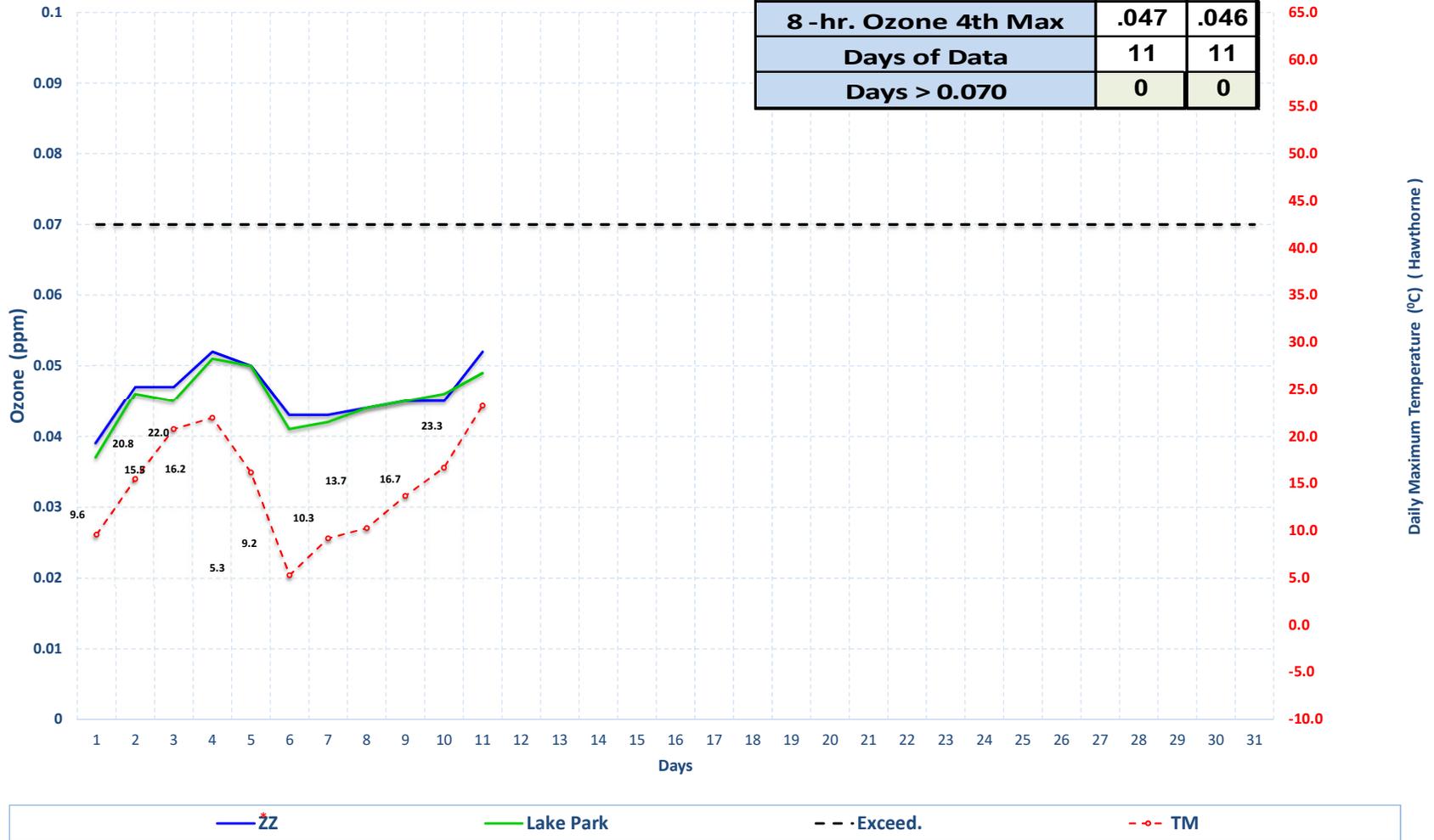
Highest 8-hr Ozone Concentration & Daily Maximum Temperature April 2024

	EN	HC	M7
Arith Mean	.047	.047	.051
8-hr. Ozone 4th Max	.047	.049	.052
Days of Data	11	9	11
Days > 0.070	0	0	0



Highest 8-hr Ozone Concentration & Daily Maximum Temperature April 2024 Stations Monitoring the Inland Port Development

	ZZ	LP
Arith Mean	.046	.045
8-hr. Ozone 4th Max	.047	.046
Days of Data	11	11
Days > 0.070	0	0



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This site was previously named IP