



COLORADO
Department of Public
Health & Environment

Dedicated to protecting and improving the health and environment of the people of Colorado

Richard Payton
8P-AR
US Environmental Protection Agency Region VIII
1595 Wynkoop Street
Denver, CO 80202-1129

Date:

Dear Mr. Payton:

The Colorado Department of Public Health and Environment's, Air Pollution Control Division is submitting one network site modification request form for the proposed closure and decommissioning of the Paradox air monitoring site. The site's common name, AQS ID, and proposed action are as follows:

Paradox (Montrose County)

AQS ID: 08-085-0005

Address: 7250 County Rd 5, Paradox, CO

Closure - Meteorological

The Paradox site is located at a Colorado Department of Transportation maintenance facility, approximately 2 miles southeast of Paradox along State Highway 90, at lat: 38.342763, lon: -108.944990. This site was originally installed in 2016 in support of the state and federal agencies' Three-State Air Quality Study Pilot Project to provide ozone monitoring in a previously unmonitored area. This site is being closed due to funding limitations and because the original monitoring objective of obtaining 3-years of data from this location have nearly been met. This site will have operated for March 1, 2016 to December 31, 2018.

This letter and associated form has been made available for a 30 day public comment period prior to submittal to the Environmental Protection Agency (EPA). Enclosed is the associated Ambient Air Monitoring Network Modification Request Form. If you have any questions or need further information, you can reach me at (303) 692-3232.

Sincerely,

Gregory Harshfield
Gaseous and Meteorological Monitoring Super

cc: Gordon Pierce

Enclosures:

Attachment 1: Paradox (closure) - Ambient Air Monitoring Network Modification Form



Attachment 1

Paradox (closure) - Ambient Air Monitoring Network Modification Form

EPA REGION 8 AMBIENT AIR MONITORING NETWORK MODIFICATION REQUEST FORM

(VERSION 2, 4/1/04)

DATE: 12/31/18	CITY: 7250 County Road 5, Rural Area 2 Miles SW of Paradox	STATE: CO
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AQS SITE ID: 08-085-0005	SITE NAME: Paradox
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PROPOSED MODIFICATION/REASON WHY: The Colorado Department of Public Health and Environment is proposing to close and decommission the Paradox air monitoring site effective 12/31/18. This site began operations in March 2016 and has ran continuously to date. The site is being closed due to lack of funding and because it has met its monitoring objectives.

AIR QUALITY PARAMETER (PM10, SO2, CO, NO2, ETC.)	MONITOR TYPE (NAMS, SLAMS, SPM, TRIBAL, etc.)	CHECK ONE OR MORE OF THE APPLICABLE CATEGORIES BELOW:				LIST SAMPLER EQUIPMENT
		MAX CONC	SOURCE IMPACT	POPULATION EXPOSURE	BACKGROUND	
Ozone	SPM				X	Thermo 49C
Met Tower	SPM					RM Young

PROPOSED SAMPLING START/END: End Date 12/31/18

ESTIMATED MEASUREMENTS FOR AIR QUALITY PARAMETERS:

LOCATION (LAT./LONG. OR UTM 'S): Lat 38.342763 Long -108.944990 WGS84

SITE ELEVATION (M. MSL): 1582 Meters PROBE HEIGHT (M. AGL): 4.1 M

DISTANCE TO TREE DRIPLINE (M)	DIRECTION TO TREE	DISTANCE TO OBSTACLE (M)	DIRECTION TO OBSTACLE	OBSTACLE HEIGHT ABOVE PROBE (M)	OBSTACLE COMMENTS
No trees at site					
No obstacles at site.					

UNRESTRICTED AIR FLOW: >270 DEG. >180 DEG. <CRITERIA___360_____DEG.

DISTANCE TO FLUES/INCINERATORS (M): Not applicable

DISTANCE TO INTERSECTIONS (M): 50 Meters DISTANCE FROM SUPPORTING STRUCTURES (M): VERT.____>1_____HORIZ.____>1____

DISTANCE TO EDGE OF NEAREST ROADWAY	NAME OF ROADWAY	DIRECTION	DAILY TRAFFIC ESTIMATES	YEAR OF TRAFFIC ESTIMATES	TYPE OF ROADWAY	COMMENTS
		NORTH				
		EAST				
~ 50 Meters		SOUTH	1744	2014	MAJOR ST OR HY	CDOT OTIS
		WEST				

DISTANCE TO NEAREST POINT SOURCES (MILES)	DIRECTION TO POINT SOURCES	DISTANCE TO NEAREST AREA SOURCES (MILES)	DIRECTION TO AREA SOURCES	COMMENTS
None		None		

CERTIFICATION: I certify the network modification proposed above meets all 40 CFR 58, Appendix E siting criteria, except as noted with submittal.



Printed Name: Gregory Harshfield Signature:

FOR EPA USE ONLY: Received Date: _____ Follow-up Actions: _____ Approval Status
 Given: _____ Email Response Date: _____ Letter Response Date: _____

FOR METEOROLOGICAL PARAMETERS ONLY:

MONITORING PURPOSE/OBJECTIVES: Monitor meteorology to assess ozone monitoring results.

PROPOSED MONITORING SCHEDULE/DURATION: Continuous, as long as ozone is run.

PROPOSED START / REMOVAL DATE
 OR DATE STARTED / REMOVED: End Date 12/31/2018

DATA ACQUISITION SYSTEM: ESC 8816

PRIMARY	PARAMETERS:	APPLICABLE √ those that apply	SENSOR HT (M)
Run by Air Resource Specialists under state contract	WIND SPEED/DIRECTION	Yes	5.5 M
BACKUP None	SOLAR RADIATION		
	RELATIVE HUMIDITY	Yes	5.0M
EQUIPMENT MANUFACTURER/MODEL: RM Young	PRESSURE		
WILL THE DATA BE USED FOR MODELING? YES NO	SIGMA THETA	Yes	5.5 M
IS SITE REQUIRED FOR SIP? YES NO	PRECIPITATION	Yes	4.3 M
UNRESTRICTED AIRFLOW? YES NO	TEMPERATURE	Yes	5.0 M
DISTANCE TO TREE DRIPLINE (M): No trees in area.	OTHER (DESCRIBE)		
NEARBY TERRAIN: <u>SMOOTH</u> <u>ROLLING</u> ROUGH			

TOPOGRAPHIC FEATURES (E.G HILLS, MOUNTAINS, VALLEYS, RIDGES, BODIES OF WATER):

open valley and agriculture with hills to the south

COMMENTS: This site will have run from March 2016 to December 2018.

**FORM KEY:
PAGE 1:**

MONITOR TYPE: NAMS = 1, SLAMS = 2, SPM = 3, TRIBAL = A
 SITE ELEVATION = GROUND LEVEL ELEVATION
 PROBE HEIGHT (M. AGL) = PROBE HEIGHT METERS ABOVE GROUND LEVEL

