

# **S**torm **W**ater **P**ollution **P**revention **P**lan

Kairos Power  
5201 Hawking Drive SE  
Albuquerque, NM 87106

## KAIROS POWER FACILITY EXPANSION



**National Pollutant Discharge  
Elimination System  
Storm Water Pollution Prevention Plan**

July 8<sup>th</sup>, 2022

Created by CSR, LLC

Kairos Power  
5201 Hawking Drive SE  
Albuquerque, NM 87106



# **KAIROS POWER FACILITY EXPANSION**

National Pollutant Discharge Elimination System [NPDES]  
Storm Water Pollution Prevention Plan [SWPPP] &  
Compliance Documentation

July 7<sup>th</sup>, 2022

*Created by*  
**Caldon Seeding and Reclamation, LLC**  
**RUTHERON, NEW MEXICO 87551**  
**(505) 699-5913**

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Notice of Termination	

## 1.0 OVERVIEW

### 1.1 Project Information

#### PROJECT INFORMATION

Project Name:	Kairos Power Facility Expansion
Control Number:	N/A
Project Location:	5201 Hawking Drive SE Albuquerque, New Mexico 87106 Bernalillo County
Site Area (Gross Acres):	1.75 acres
Site Area (Disturbed Acres):	1.75 acres
USGS Location:	35.0053° N 106.6121° W

#### OWNER INFORMATION

Owner	Kairos Power
Address:	5201 Hawking Drive SE Albuquerque, NM 87106
Phone:	(510) 808-5265
Fax:	
Contact:	Lara Gutierrez

#### GENERAL CONTRACTOR/OPERATOR INFORMATION

General Contractor:	Same
Address:	
Phone:	
Fax:	
Contact:	

#### PROJECT SITE INFORMATION

Receiving Water(s):	Drainage to Tijeras Arroyo
Indian Lands:	This project is not on Indian lands
Estimated Project Start Date	7/22/22
Estimated Project End Date:	7/31/23
NPDES Permit:	ID Number is: NMR1004XE

## 1.2 Certifications

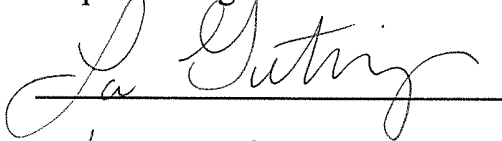
Project Title: Kairos Power Facility Expansion

Project Operator (Day-to-Day site control): Kairos Power

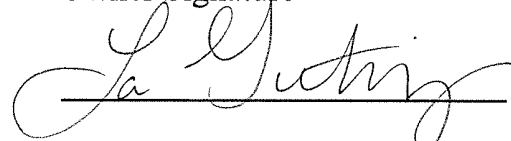
Project Owner (specification control): Kairos Power

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

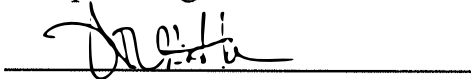
Operator Signature

  
\_\_\_\_\_  
LARA GUTIERREZ  
KAIROS POWER

Owner Signature

  
\_\_\_\_\_  
LARA GUTIERREZ  
KAIROS POWER

Preparer Signature

  
\_\_\_\_\_

CALDON SEEDING AND RECLAMATION, LLC

### 1.3 Letter of Designation (Operator-

)

"Director"

US EPA Region 6

Ariel Rios Building

1200 Pennsylvania Ave., NW

Washington, DC 20460

RE: Letter of designation in accordance with CGP Appendix I paragraph 11.2

Dear Director:

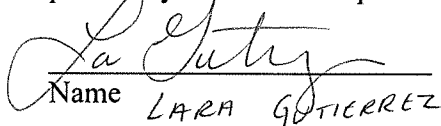
This letter serves to designate either a person or specifically described position as an authorized person for signing reports, storm water pollution prevention plans, certifications or other information requested by the Director or required by the permit. This authorization cannot be used for signing an NPDES permit application (e.g. Notice of Intent (NOI)) in accordance with 40 CFR 122.22. The following person or position is hereby authorized to sign reports, plans or certifications other than the NOI application:

Name: Caldon Seeding & Reclamation SWPPP Inspector Position: Inspector

By signing this authorization, I confirm that I meet the following requirements to make such a designation as set forth in either Appendix I.11 of the Construction general permit [63 Fed Reg 36506] or Part 9.7. of the Multi-Sector General Permit [65 Fed Reg 64746-64880].

For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function or any other person who performs similar policy or decision making functions for the corporation; or the manager of one or more manufacturing, production or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25,000,000 (in second quarter 1980 dollars) if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively. For a municipality, State, Federal or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g. Regional Administrators of EPA).

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

  
Name LARA GUTIERREZ

SENIOR FACILITIES ENGINEER  
Title

8-20-'2022  
Date

### 1.3a Letter of Designation (OWNER – Kairos Power)

"Director"

US EPA Region 6  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, DC 20460

RE: Letter of designation in accordance with CGP Appendix I paragraph 11.2

Dear Director:

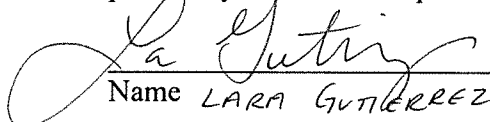
This letter serves to designate either a person or specifically described position as an authorized person for signing reports, storm water pollution prevention plans, certifications or other information requested by the Director or required by the permit. This authorization cannot be used for signing an NPDES permit application (e.g. Notice of Intent (NOI)) in accordance with 40 CFR 122.22. The following person or position is hereby authorized to sign reports, plans or certifications other than the NOI application:

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Name LARA GUTIERREZ

SENIOR FACILITIES ENGINEER  
Title

8-20-2022  
Date

## 1.4 Project Description

The Kairos Power Facility Expansion Project will fundamentally consist of development of horizontal and vertical construction for Kairos Power located at 5201 Hawking Drive SE in Albuquerque, New Mexico. There will be grading, asphalt, concrete, drainage, vertical construction, and finish work.

***Soil disturbing activities will include but are not limited to:*** grading, excavation, and installation of erosion and sediment control measures.

## 1.5 Site Map/General Location Map[s]/Areas of Soil Disturbance

See next page for location of project, soil information, and historical precipitation data.

## 1.6 Scope of Work to be Completed

The construction activities will consist of:

Item	Begin	End
Installation of BMPs – Fiber Roll		
Demolition		
Clearing/Grading		
Trenching/utilities		
Asphalt/concrete		
Final Grading		
Vertical Construction		
Final Stabilization		

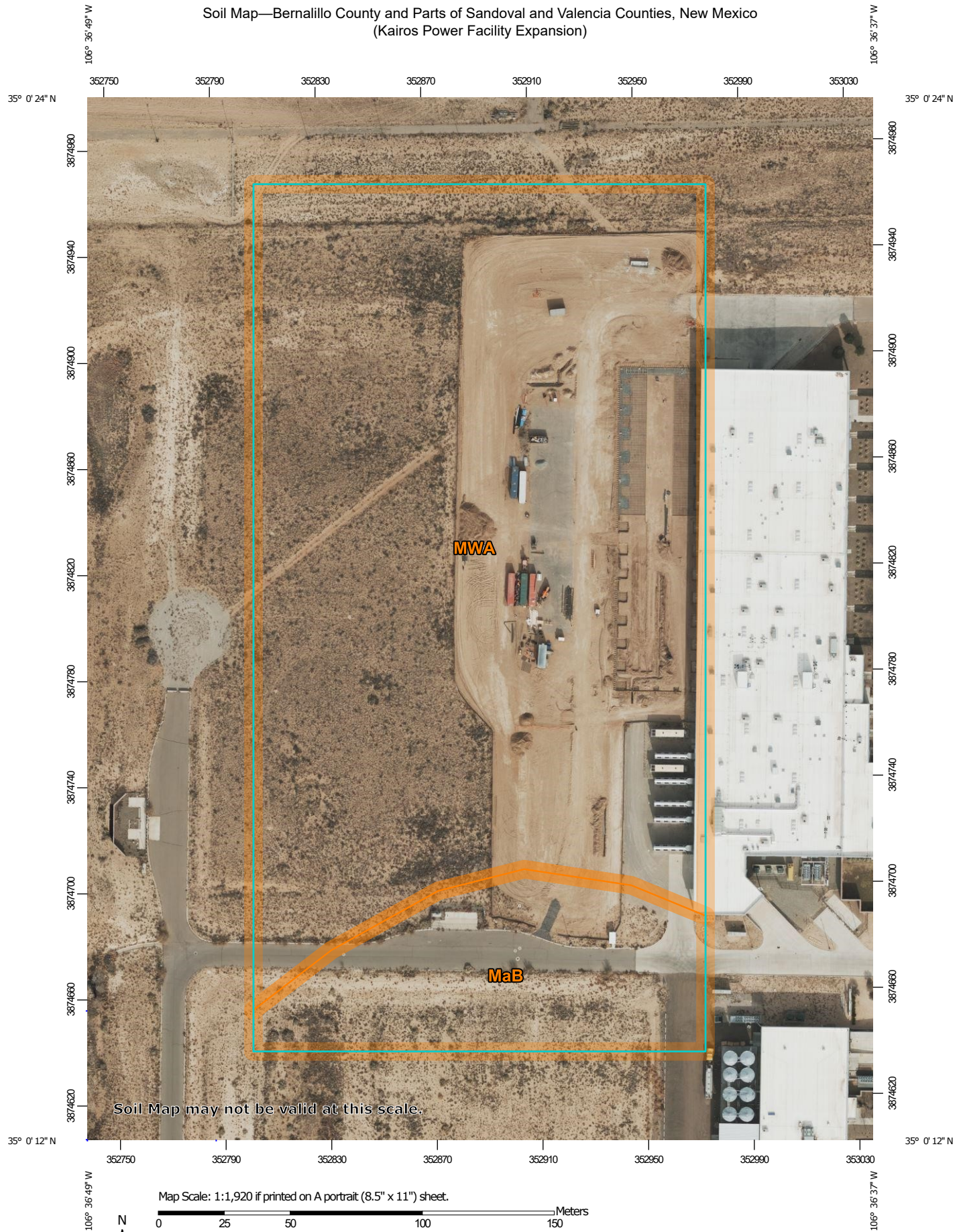
## 1.7 Measures to Prevent Pollutant Discharge into Waters of the US

It is the intent of the Owner/Operator and Contractor/Operator to provide and comply with permitted coverage requirements until 70% of the original vegetated state [prior to disturbance] of the area is evenly stabilized back to an original non-disturbed vegetated percentage. At such time, this SWPPP will be amended to reflect the termination of coverage and a Notice of Termination [NOT] will be filed.

Required temporary erosion and sediment control devices will be installed prior to the commencement of construction activities on the Kairos Power Facility Expansion Project to prevent and control soil loss. While construction activities are occurring within the project; the appropriate control measures will be implemented by the operators in areas of soil disturbance to direct runoff and ensure that the transport of pollutants and sediment are minimized during storm water events. As the project is developed [progresses toward completion or in the event of rain] the entire project will be continually evaluated by inspection to determine and ensure that the appropriate control measures[s] are being utilized at each location or within certain areas.



Soil Map—Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico  
(Kairos Power Facility Expansion)



Soil Map—Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico  
(Kairos Power Facility Expansion)

## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico

Survey Area Data: Version 16, Sep 12, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 22, 2020—Jan 1, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MaB	Madurez loamy fine sand, 1 to 5 percent slopes	2.3	16.4%
MWA	Madurez-Wink associatin, gently sloping	11.6	83.6%
<b>Totals for Area of Interest</b>		<b>13.9</b>	<b>100.0%</b>





**NOAA Atlas 14, Volume 1, Version 5**  
**Location name: Albuquerque, New Mexico, USA\***  
**Latitude: 35.0007°, Longitude: -106.6159°**  
**Elevation: 5293.91 ft\*\***

\* source: ESRI Maps

\*\* source: USGS



**POINT PRECIPITATION FREQUENCY ESTIMATES**

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

[PF tabular](#) | [PF graphical](#) | [Maps & aerals](#)

**PF tabular**

<b>PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)<sup>1</sup></b>										
<b>Duration</b>	<b>Average recurrence interval (years)</b>									
	<b>1</b>	<b>2</b>	<b>5</b>	<b>10</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>	<b>500</b>	<b>1000</b>
<b>5-min</b>	<b>0.179</b> (0.156-0.206)	<b>0.232</b> (0.201-0.267)	<b>0.309</b> (0.267-0.357)	<b>0.370</b> (0.318-0.424)	<b>0.452</b> (0.387-0.518)	<b>0.515</b> (0.439-0.591)	<b>0.582</b> (0.493-0.667)	<b>0.652</b> (0.548-0.746)	<b>0.746</b> (0.621-0.856)	<b>0.820</b> (0.678-0.942)
<b>10-min</b>	<b>0.272</b> (0.237-0.314)	<b>0.352</b> (0.306-0.407)	<b>0.471</b> (0.407-0.543)	<b>0.562</b> (0.484-0.646)	<b>0.687</b> (0.590-0.789)	<b>0.784</b> (0.668-0.899)	<b>0.885</b> (0.750-1.01)	<b>0.992</b> (0.833-1.14)	<b>1.13</b> (0.945-1.30)	<b>1.25</b> (1.03-1.43)
<b>15-min</b>	<b>0.338</b> (0.293-0.389)	<b>0.437</b> (0.379-0.504)	<b>0.584</b> (0.504-0.673)	<b>0.696</b> (0.600-0.801)	<b>0.852</b> (0.731-0.977)	<b>0.972</b> (0.829-1.12)	<b>1.10</b> (0.929-1.26)	<b>1.23</b> (1.03-1.41)	<b>1.41</b> (1.17-1.62)	<b>1.55</b> (1.28-1.78)
<b>30-min</b>	<b>0.455</b> (0.395-0.524)	<b>0.588</b> (0.510-0.679)	<b>0.786</b> (0.679-0.906)	<b>0.938</b> (0.808-1.08)	<b>1.15</b> (0.984-1.32)	<b>1.31</b> (1.12-1.50)	<b>1.48</b> (1.25-1.69)	<b>1.66</b> (1.39-1.90)	<b>1.89</b> (1.58-2.17)	<b>2.08</b> (1.72-2.39)
<b>60-min</b>	<b>0.563</b> (0.489-0.648)	<b>0.728</b> (0.632-0.840)	<b>0.972</b> (0.840-1.12)	<b>1.16</b> (1.00-1.33)	<b>1.42</b> (1.22-1.63)	<b>1.62</b> (1.38-1.86)	<b>1.83</b> (1.55-2.10)	<b>2.05</b> (1.72-2.35)	<b>2.34</b> (1.95-2.69)	<b>2.58</b> (2.13-2.96)
<b>2-hr</b>	<b>0.640</b> (0.554-0.750)	<b>0.819</b> (0.706-0.961)	<b>1.08</b> (0.932-1.27)	<b>1.29</b> (1.11-1.50)	<b>1.58</b> (1.35-1.83)	<b>1.81</b> (1.53-2.10)	<b>2.06</b> (1.73-2.38)	<b>2.31</b> (1.93-2.68)	<b>2.67</b> (2.20-3.09)	<b>2.96</b> (2.42-3.43)
<b>3-hr</b>	<b>0.678</b> (0.592-0.792)	<b>0.862</b> (0.750-1.00)	<b>1.13</b> (0.981-1.31)	<b>1.34</b> (1.16-1.55)	<b>1.63</b> (1.40-1.89)	<b>1.87</b> (1.59-2.15)	<b>2.11</b> (1.79-2.44)	<b>2.38</b> (2.00-2.74)	<b>2.74</b> (2.28-3.16)	<b>3.04</b> (2.50-3.51)
<b>6-hr</b>	<b>0.788</b> (0.690-0.912)	<b>0.991</b> (0.868-1.15)	<b>1.27</b> (1.12-1.47)	<b>1.50</b> (1.31-1.72)	<b>1.80</b> (1.56-2.07)	<b>2.04</b> (1.75-2.34)	<b>2.29</b> (1.96-2.63)	<b>2.54</b> (2.17-2.92)	<b>2.90</b> (2.44-3.33)	<b>3.19</b> (2.66-3.67)
<b>12-hr</b>	<b>0.874</b> (0.771-0.992)	<b>1.10</b> (0.975-1.25)	<b>1.39</b> (1.23-1.57)	<b>1.62</b> (1.42-1.83)	<b>1.93</b> (1.69-2.18)	<b>2.16</b> (1.89-2.44)	<b>2.41</b> (2.09-2.72)	<b>2.66</b> (2.29-3.01)	<b>3.01</b> (2.56-3.40)	<b>3.28</b> (2.77-3.72)
<b>24-hr</b>	<b>0.986</b> (0.881-1.11)	<b>1.24</b> (1.10-1.39)	<b>1.54</b> (1.38-1.74)	<b>1.79</b> (1.59-2.00)	<b>2.12</b> (1.88-2.38)	<b>2.37</b> (2.10-2.66)	<b>2.63</b> (2.33-2.95)	<b>2.90</b> (2.55-3.24)	<b>3.25</b> (2.84-3.64)	<b>3.53</b> (3.06-3.95)
<b>2-day</b>	<b>1.05</b> (0.942-1.17)	<b>1.31</b> (1.18-1.47)	<b>1.64</b> (1.47-1.82)	<b>1.89</b> (1.69-2.10)	<b>2.23</b> (1.99-2.47)	<b>2.49</b> (2.22-2.76)	<b>2.76</b> (2.45-3.06)	<b>3.03</b> (2.68-3.36)	<b>3.39</b> (2.99-3.77)	<b>3.67</b> (3.22-4.08)
<b>3-day</b>	<b>1.13</b> (1.03-1.25)	<b>1.41</b> (1.29-1.55)	<b>1.74</b> (1.59-1.91)	<b>2.00</b> (1.82-2.19)	<b>2.35</b> (2.14-2.58)	<b>2.62</b> (2.37-2.87)	<b>2.89</b> (2.61-3.16)	<b>3.16</b> (2.85-3.46)	<b>3.52</b> (3.16-3.86)	<b>3.80</b> (3.39-4.16)
<b>4-day</b>	<b>1.22</b> (1.12-1.32)	<b>1.51</b> (1.40-1.64)	<b>1.85</b> (1.71-2.00)	<b>2.12</b> (1.95-2.29)	<b>2.48</b> (2.28-2.68)	<b>2.75</b> (2.53-2.97)	<b>3.03</b> (2.77-3.27)	<b>3.30</b> (3.01-3.56)	<b>3.66</b> (3.33-3.95)	<b>3.93</b> (3.56-4.25)
<b>7-day</b>	<b>1.41</b> (1.30-1.52)	<b>1.74</b> (1.61-1.88)	<b>2.12</b> (1.96-2.29)	<b>2.41</b> (2.23-2.60)	<b>2.80</b> (2.59-3.01)	<b>3.09</b> (2.85-3.32)	<b>3.37</b> (3.11-3.63)	<b>3.64</b> (3.35-3.92)	<b>4.00</b> (3.67-4.31)	<b>4.26</b> (3.89-4.59)
<b>10-day</b>	<b>1.55</b> (1.43-1.67)	<b>1.92</b> (1.78-2.07)	<b>2.35</b> (2.18-2.53)	<b>2.68</b> (2.49-2.88)	<b>3.13</b> (2.89-3.35)	<b>3.46</b> (3.19-3.71)	<b>3.79</b> (3.49-4.06)	<b>4.11</b> (3.78-4.41)	<b>4.53</b> (4.15-4.87)	<b>4.84</b> (4.42-5.21)
<b>20-day</b>	<b>1.97</b> (1.82-2.13)	<b>2.44</b> (2.26-2.64)	<b>2.97</b> (2.75-3.19)	<b>3.36</b> (3.12-3.61)	<b>3.86</b> (3.58-4.15)	<b>4.23</b> (3.91-4.54)	<b>4.58</b> (4.23-4.91)	<b>4.91</b> (4.53-5.26)	<b>5.32</b> (4.90-5.70)	<b>5.62</b> (5.16-6.03)
<b>30-day</b>	<b>2.35</b> (2.18-2.53)	<b>2.92</b> (2.71-3.13)	<b>3.51</b> (3.26-3.76)	<b>3.95</b> (3.66-4.23)	<b>4.50</b> (4.17-4.81)	<b>4.89</b> (4.52-5.22)	<b>5.25</b> (4.86-5.62)	<b>5.60</b> (5.18-5.98)	<b>6.02</b> (5.55-6.43)	<b>6.31</b> (5.81-6.74)
<b>45-day</b>	<b>2.85</b> (2.66-3.06)	<b>3.53</b> (3.29-3.78)	<b>4.20</b> (3.92-4.50)	<b>4.68</b> (4.37-5.00)	<b>5.26</b> (4.92-5.62)	<b>5.66</b> (5.29-6.04)	<b>6.02</b> (5.62-6.41)	<b>6.33</b> (5.91-6.75)	<b>6.68</b> (6.25-7.11)	<b>6.89</b> (6.46-7.33)
<b>60-day</b>	<b>3.30</b> (3.07-3.54)	<b>4.08</b> (3.80-4.38)	<b>4.87</b> (4.54-5.21)	<b>5.43</b> (5.06-5.80)	<b>6.10</b> (5.69-6.52)	<b>6.56</b> (6.11-7.01)	<b>6.97</b> (6.50-7.46)	<b>7.35</b> (6.85-7.86)	<b>7.77</b> (7.25-8.31)	<b>8.04</b> (7.51-8.59)

<sup>1</sup> Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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**PF graphical**



**NOAA Atlas 14, Volume 1, Version 5**  
**Location name: Albuquerque, New Mexico, USA\***  
**Latitude: 35.0007°, Longitude: -106.6159°**  
**Elevation: 5293.91 ft\*\***

\* source: ESRI Maps

\*\* source: USGS



**POINT PRECIPITATION FREQUENCY ESTIMATES**

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

[PF tabular](#) | [PF graphical](#) | [Maps & aerals](#)

**PF tabular**

<b>PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)<sup>1</sup></b>										
<b>Duration</b>	<b>Average recurrence interval (years)</b>									
	<b>1</b>	<b>2</b>	<b>5</b>	<b>10</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>	<b>500</b>	<b>1000</b>
<b>5-min</b>	<b>2.15</b> (1.87-2.47)	<b>2.78</b> (2.41-3.20)	<b>3.71</b> (3.20-4.28)	<b>4.44</b> (3.82-5.09)	<b>5.42</b> (4.64-6.22)	<b>6.18</b> (5.27-7.09)	<b>6.98</b> (5.92-8.00)	<b>7.82</b> (6.58-8.95)	<b>8.95</b> (7.45-10.3)	<b>9.84</b> (8.14-11.3)
<b>10-min</b>	<b>1.63</b> (1.42-1.88)	<b>2.11</b> (1.84-2.44)	<b>2.83</b> (2.44-3.26)	<b>3.37</b> (2.90-3.88)	<b>4.12</b> (3.54-4.73)	<b>4.70</b> (4.01-5.39)	<b>5.31</b> (4.50-6.09)	<b>5.95</b> (5.00-6.82)	<b>6.80</b> (5.67-7.82)	<b>7.49</b> (6.19-8.60)
<b>15-min</b>	<b>1.35</b> (1.17-1.56)	<b>1.75</b> (1.52-2.02)	<b>2.34</b> (2.02-2.69)	<b>2.78</b> (2.40-3.20)	<b>3.41</b> (2.92-3.91)	<b>3.89</b> (3.32-4.46)	<b>4.39</b> (3.72-5.03)	<b>4.92</b> (4.13-5.63)	<b>5.62</b> (4.68-6.46)	<b>6.18</b> (5.12-7.10)
<b>30-min</b>	<b>0.910</b> (0.790-1.05)	<b>1.18</b> (1.02-1.36)	<b>1.57</b> (1.36-1.81)	<b>1.88</b> (1.62-2.15)	<b>2.30</b> (1.97-2.63)	<b>2.62</b> (2.23-3.00)	<b>2.95</b> (2.50-3.39)	<b>3.31</b> (2.78-3.79)	<b>3.79</b> (3.15-4.35)	<b>4.16</b> (3.45-4.78)
<b>60-min</b>	<b>0.563</b> (0.489-0.648)	<b>0.728</b> (0.632-0.840)	<b>0.972</b> (0.840-1.12)	<b>1.16</b> (1.00-1.33)	<b>1.42</b> (1.22-1.63)	<b>1.62</b> (1.38-1.86)	<b>1.83</b> (1.55-2.10)	<b>2.05</b> (1.72-2.35)	<b>2.34</b> (1.95-2.69)	<b>2.58</b> (2.13-2.96)
<b>2-hr</b>	<b>0.320</b> (0.277-0.375)	<b>0.410</b> (0.353-0.480)	<b>0.540</b> (0.466-0.633)	<b>0.645</b> (0.554-0.751)	<b>0.790</b> (0.673-0.917)	<b>0.906</b> (0.767-1.05)	<b>1.03</b> (0.864-1.19)	<b>1.16</b> (0.964-1.34)	<b>1.34</b> (1.10-1.54)	<b>1.48</b> (1.21-1.71)
<b>3-hr</b>	<b>0.226</b> (0.197-0.264)	<b>0.287</b> (0.250-0.335)	<b>0.376</b> (0.327-0.438)	<b>0.445</b> (0.385-0.516)	<b>0.543</b> (0.466-0.629)	<b>0.621</b> (0.530-0.717)	<b>0.704</b> (0.597-0.812)	<b>0.792</b> (0.665-0.913)	<b>0.912</b> (0.758-1.05)	<b>1.01</b> (0.831-1.17)
<b>6-hr</b>	<b>0.132</b> (0.115-0.152)	<b>0.165</b> (0.145-0.192)	<b>0.212</b> (0.187-0.246)	<b>0.250</b> (0.218-0.288)	<b>0.300</b> (0.261-0.346)	<b>0.340</b> (0.293-0.390)	<b>0.382</b> (0.327-0.439)	<b>0.424</b> (0.362-0.487)	<b>0.484</b> (0.408-0.556)	<b>0.532</b> (0.445-0.613)
<b>12-hr</b>	<b>0.073</b> (0.064-0.082)	<b>0.091</b> (0.081-0.104)	<b>0.115</b> (0.102-0.131)	<b>0.134</b> (0.118-0.152)	<b>0.160</b> (0.140-0.181)	<b>0.180</b> (0.156-0.203)	<b>0.200</b> (0.173-0.226)	<b>0.221</b> (0.190-0.250)	<b>0.249</b> (0.212-0.282)	<b>0.272</b> (0.230-0.309)
<b>24-hr</b>	<b>0.041</b> (0.037-0.046)	<b>0.051</b> (0.046-0.058)	<b>0.064</b> (0.057-0.072)	<b>0.074</b> (0.066-0.084)	<b>0.088</b> (0.078-0.099)	<b>0.099</b> (0.087-0.111)	<b>0.110</b> (0.097-0.123)	<b>0.121</b> (0.106-0.135)	<b>0.135</b> (0.118-0.152)	<b>0.147</b> (0.128-0.165)
<b>2-day</b>	<b>0.022</b> (0.020-0.024)	<b>0.027</b> (0.025-0.031)	<b>0.034</b> (0.031-0.038)	<b>0.039</b> (0.035-0.044)	<b>0.046</b> (0.041-0.051)	<b>0.052</b> (0.046-0.057)	<b>0.057</b> (0.051-0.064)	<b>0.063</b> (0.056-0.070)	<b>0.071</b> (0.062-0.078)	<b>0.076</b> (0.067-0.085)
<b>3-day</b>	<b>0.016</b> (0.014-0.017)	<b>0.020</b> (0.018-0.022)	<b>0.024</b> (0.022-0.027)	<b>0.028</b> (0.025-0.030)	<b>0.033</b> (0.030-0.036)	<b>0.036</b> (0.033-0.040)	<b>0.040</b> (0.036-0.044)	<b>0.044</b> (0.040-0.048)	<b>0.049</b> (0.044-0.054)	<b>0.053</b> (0.047-0.058)
<b>4-day</b>	<b>0.013</b> (0.012-0.014)	<b>0.016</b> (0.015-0.017)	<b>0.019</b> (0.018-0.021)	<b>0.022</b> (0.020-0.024)	<b>0.026</b> (0.024-0.028)	<b>0.029</b> (0.026-0.031)	<b>0.032</b> (0.029-0.034)	<b>0.034</b> (0.031-0.037)	<b>0.038</b> (0.035-0.041)	<b>0.041</b> (0.037-0.044)
<b>7-day</b>	<b>0.008</b> (0.008-0.009)	<b>0.010</b> (0.010-0.011)	<b>0.013</b> (0.012-0.014)	<b>0.014</b> (0.013-0.015)	<b>0.017</b> (0.015-0.018)	<b>0.018</b> (0.017-0.020)	<b>0.020</b> (0.018-0.022)	<b>0.022</b> (0.020-0.023)	<b>0.024</b> (0.022-0.026)	<b>0.025</b> (0.023-0.027)
<b>10-day</b>	<b>0.006</b> (0.006-0.007)	<b>0.008</b> (0.007-0.009)	<b>0.010</b> (0.009-0.011)	<b>0.011</b> (0.010-0.012)	<b>0.013</b> (0.012-0.014)	<b>0.014</b> (0.013-0.015)	<b>0.016</b> (0.015-0.017)	<b>0.017</b> (0.016-0.018)	<b>0.019</b> (0.017-0.020)	<b>0.020</b> (0.018-0.022)
<b>20-day</b>	<b>0.004</b> (0.004-0.004)	<b>0.005</b> (0.005-0.005)	<b>0.006</b> (0.006-0.007)	<b>0.007</b> (0.006-0.008)	<b>0.008</b> (0.007-0.009)	<b>0.009</b> (0.008-0.009)	<b>0.010</b> (0.009-0.010)	<b>0.010</b> (0.009-0.011)	<b>0.011</b> (0.010-0.012)	<b>0.012</b> (0.011-0.013)
<b>30-day</b>	<b>0.003</b> (0.003-0.004)	<b>0.004</b> (0.004-0.004)	<b>0.005</b> (0.005-0.005)	<b>0.005</b> (0.005-0.006)	<b>0.006</b> (0.006-0.007)	<b>0.007</b> (0.006-0.007)	<b>0.007</b> (0.007-0.008)	<b>0.008</b> (0.007-0.008)	<b>0.008</b> (0.008-0.009)	<b>0.009</b> (0.008-0.009)
<b>45-day</b>	<b>0.003</b> (0.002-0.003)	<b>0.003</b> (0.003-0.004)	<b>0.004</b> (0.004-0.004)	<b>0.004</b> (0.004-0.005)	<b>0.005</b> (0.005-0.005)	<b>0.005</b> (0.005-0.006)	<b>0.006</b> (0.005-0.006)	<b>0.006</b> (0.005-0.006)	<b>0.006</b> (0.006-0.007)	<b>0.006</b> (0.006-0.007)
<b>60-day</b>	<b>0.002</b> (0.002-0.002)	<b>0.003</b> (0.003-0.003)	<b>0.003</b> (0.003-0.004)	<b>0.004</b> (0.004-0.004)	<b>0.004</b> (0.004-0.005)	<b>0.005</b> (0.004-0.005)	<b>0.005</b> (0.005-0.005)	<b>0.005</b> (0.005-0.005)	<b>0.005</b> (0.005-0.006)	<b>0.006</b> (0.005-0.006)

<sup>1</sup> Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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**PF graphical**

When applicable, appropriate controls and measures will be implemented for each of the following major construction activities:

*a. Excavation:* Fiber Roll will be installed at the site perimeter and at any other discharging slopes to prevent “silty” storm water run-off from leaving the site.

*b. Pouring of concrete; curbs, drives, sidewalks, footings and or pads:* If necessary, prior to pouring concrete, a concrete/concrete-masonry washout area must be constructed. This washout consists of excavating or berming a hole approximately 7’x7’ square and approximately 3’ deep. Once hole is excavated, line with a plastic sheet. When washout fills to 50% capacity, contractor is required to remove material and dispose of properly at a controlled or designated landfill. Actual location is anticipated near major structure placement.. It is anticipated the majority of residual concrete that is left can be transported and returned by the delivering vehicle. Alternatively, a 10’x10’ concrete washout can be constructed using 18 inch compost socks.

*c. Installation of any or all erosion or sediment control devices within the project or proposed phase:* Temporary control practices will be utilized during the installation and construction of any or all infrastructure placement, including permanent sediment control devices. After sediment control devices have been installed and permanent controls [i.e. temporary sediment ponds or basins applied], protection will be removed to allow the discharge to go to pre-project grading.

*d. Installation of temporary and permanent storm water/drainage structures:* Maintain Fiber Roll throughout the project, as needed. Follow manufacturer’s standards for Fiber Roll, generally clean or replace Fiber Roll when 50% full of sediment.

*e. Installation of underground utilities:* Reference [a] and [b] above.

*f. Complete final planting and seeding [landscaping] of disturbed areas (see re-vegetation plan paragraph 2.12):* At a minimum, the entire site must be evenly stabilized to 70% of original non-disturbed vegetated condition before the owner can prepare and submit the Notice of Termination [NOT]. Temporary seeding/mulch or soil polymer will be used in exposed areas, not constructed and with no activity for a period of 14 days or greater or by permanent stabilization [prior to filing NOT] stabilize by seeding.

After final construction, remove unnecessary temporary sediment control devices and stabilize area per [g] above.

All control measures will be implemented as soon as it is practical and within 14 days of work cession within locations where construction activities have temporarily or permanently ceased. Control measures may be needed [or implemented] on certain portions of a site where the total time period that construction activity is temporarily ceased for less than 14 days [reference [c]

above]. Once construction activities have permanently ceased, final stabilization practices will be applied.

### **1.8 STORM WATER POLLUTION PREVENTION TEAM**

The storm water pollution prevention team is responsible for developing, implementing, maintaining and revising this SWPPP. The members of the team are familiar with the management and operations of the Kairos Power Facility Expansion Project.

Kairos Power is in operational control of construction and requested the origination of this SWPPP. Caldon Seeding and Reclamation, LLC is delegated and authorized to originate and design the SWPPP for NPDES compliance. The member[s] of the team and their responsibilities [i.e. implementing, maintaining, record keeping, submitting reports, conducting inspections, employee training, conducting the annual compliance evaluation, monitoring for non-storm water discharges and signing the required certifications] are as follows:

<b>NAME &amp; TITLE</b>	<b>RESPONSIBILITY</b>
Kairos Power 5201 Hawking Drive SE Albuquerque, NM 87106 (510) 808-5265 Lara Gutierrez gutierrez@kairospower.com	Owner/Development Specifications
Same	General Contractor/Construction Operations Team
Caldon Seeding and Reclamation, LLC (505) 699-5913 Len Horan lenhoran@rocketmail.com	SWPPP & Inspections
Caldon Seeding/Kairos Power (505) 850-8412 Richie Caldon richiecaldon@gmail.com	Revegetation/BMPs

## 1.9 Employee Training and Inspector Training Certificates

Employee training is a major component in ensuring the success of the project's SWPPP. The more knowledgeable all employees are about the project's SWPPP and what is expected of them, the greater the potential that the plan is successful and is therefore an essential component of this project.

Use the following table to record training conducted:

Name	Company	Signature		Name	Company	Signature

## 1.10 Endangered/Threatened Species/Historical Site/Wetlands Information “Environmental Commitments” sheet is included for reference

As required by Addendum C of the Construction General Permit, measures were taken to determine the potential effects of storm water runoff and construction related activities on federally listed endangered or threatened species. A thorough review of the area and a comparison made to listed endangered species was conducted. It was determined that the proposed construction would not involve habitat of endangered species. For the purposes of this documentation criterion [E] is utilized on the application for permitting purposes.

A listing of endangered and/or threatened species [animals and plants] and documentation to support any wetland areas located within the project county has been included in the SWPPP attachments (**TAB 3**).

This site is not located near any sites listed in the National Register of Historic Places in Bernalillo County.

## 1.11 Total Maximum Daily Loads

The State of New Mexico 2018-2020 Integrated Clean Water Act para 303 (d)/para305(b) Report was reviewed to determine existence of TMDLs. The project discharges to unnamed drainage to the Tijeras Arroyo. There are no established TMDLs for the Tijeras Arroyo.

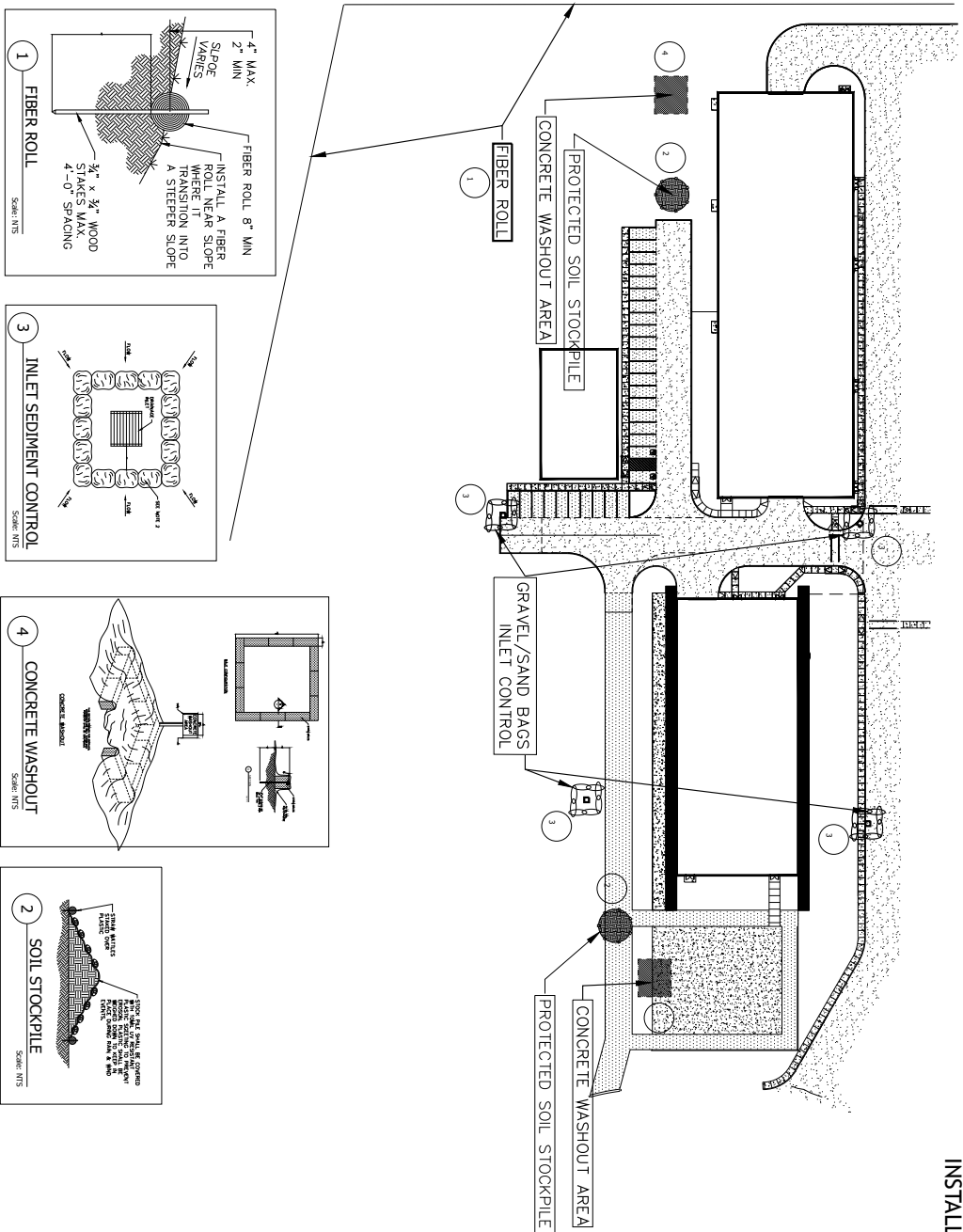


## **2.0 EROSION AND SEDIMENT CONTROL MEASURES**

### **2.1 Temporary Erosion and Sediment Control Plan Drawing[s]**

The following pages are the TЕСP that will be followed on the project.

POST NPDES SITE SIGN  
INSTALL RAIN GAUGE



C6

# EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 40'



SCHEMATIC DESIGN PHASE

## EROSION CONTROL PLAN

## KAIROS POWER FACILITY EXPANSION

TR D-1: PLAT OF TRACTS D-1 THRU D-7 MESA DEL SOL, INNOVATION PARK II (A SUBDIVISION OF TRACT D MESA DEL SOL, INNOVATION PARK II) CONT. 16-4161 AC.

PROJECT NO.: 18001-22  
DRAWN BY:  
DATE: 12.2022

C6

NOT FOR  
CONSTRUCTION



## 2.2 Stabilization Practices

*Temporary Stabilization:* [Also see temporary erosion and sediment control drawing[s] Installation of Fiber Roll protection as noted on plans.

*Permanent Stabilization:* Landscaping, seeding and/or mulching should take place to permanently stabilize project area once work ceases or areas not covered by permanent stabilization – paving or permanent structures. See Section 1 for responsibility of permanent stabilization.

*Structural Practices [BMP Selection and Description(s)]:*

Note: Selection and preference of use, of site-specific BMP's follows industry standards and acceptability conforming to loading capacities and durability.

*Storm Water Management:* Permanent seeding, riprap, landscaping, and/or permanent stabilization will also take place in outlined/disturbed areas.

*Waste Materials:* All waste materials will be collected and stored in a secure area. All trash and construction debris will be deposited in a dumpster or other containment. Dumpster should be emptied at least once per week or as required. Dumpster shall have a secure cover and be secured each day.

*Hazardous Waste:* All hazardous waste materials will be disposed of in the manner specified by local or state regulations or by manufacturer. All sanitary waste will be collected from the portable units as required.

*Offsite Vehicle Tracking:* A stabilized construction entrance may be installed to help reduce vehicle tracking of sediments. Initially, no entrance will be established and vehicles will be discouraged from entering worksite. A designated parking area will be established.

*Post Construction:* Permanent stabilization will aid in stabilizing the project once work is complete. A retention pond is planned for the site.

## 2.3 Allowable Non-Storm Water Discharges [CGP]

The following are authorized allowable non-storm water discharges, provided the non-storm water component of the discharge is in compliance with [Non-Storm Water Discharge Management].

Likely on this project (Yes or No)

  N   1. Discharges from fire fighting activities

- Fire fighting activities and requirements are an unforeseen element but are an essential component and necessity. Outlined in this SWPPP are BMP requirements

to slow, channel, confine and filter sediment during construction, therefore limiting contaminated water from departing the project area.

  N   2. Fire hydrant flushing

- Hydrant flushing activity generally is captured for the benefit and reuse as project water for general construction purposes and not allowed to free run, allowing erosion and offsite travel of excess sediment. Continued water drought predictability or probability continues to be of concern. Water conservation is and will be a management criterion for this project with reuse for compaction or air quality dust control.

  Y   3. Waters to wash vehicles where detergents are not used.

- Washing of any vehicles or equipment is prohibited and will be conducted in areas offsite that are managed with containment and permitted by others.

  Y   4. Water used to control dust in accordance with Subpart 3.4.G

- Offsite tracking is addressed within this SWPPP and will include a regiment of:
  - Street cleaning for prevention of dust by traffic [i.e. brooming or scraping off] as any visible aspect requires attention.
  - Dust control by watering and wetting with excess or erosion with reusable uncontaminated or potable dischargeable water.

  Y   5. Potable water including uncontaminated water line flushing

- Project construction
- Dust control

  N   6. Routine external building wash down that does not use detergents

- N/A to this project

  Y   7. Pavement wash waters where spills or leaks of toxic or hazardous materials

- Have not occurred [unless all spilled material has been removed] and where detergents are not used.
- Inlet protection will be implemented for sediment deposit to be captured and contained in the street area for ease of clean up. For areas that travel offsite, filtered pockets are to be developed to contain the wash as to not allow further erosion or sediment travel caused by the erosion. [N/A to this project].

  N   8. Uncontaminated air conditioning or compressor condensation

- N/A to this project

  N   9. Uncontaminated ground water or spring water

- This project has no identifiable ground water or spring waters within project boundaries. In the event any such conditions arise and are identified, this SWPPP will immediately be amended with BMP's and management controls to accurately prevent contamination. This SWPPP has BMP's designated to prevent and reduce

sediment-laden water from discharging and carrying offsite to any potential groundwater's or spring waters.

\_\_\_N\_\_\_ 10. Foundation or footing drains where flows are not contaminated with process materials such as solvents.

\_\_\_N\_\_\_ 11. Uncontaminated excavation dewatering

\_\_\_N\_\_\_ 12. Landscape irrigation

- Irrigation of landscaping is by design metered and controlled therefore not allowing excess discharge or runoff.

### **Allowable Storm Water Discharges [CGP]**

The following are authorized allowable storm water discharges, provided the storm water component of the discharge is in compliance with [Non-Storm Water Discharge Management].

1. Storm water associated with large and small construction activity as defined in Appendix A.

2. Storm water discharges designated by the EPA as needing a storm water permit under 40 CFR §122.26(a) (1) (v) or §122.26(b) (15) (ii)

3. Discharges from support activities [e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas] provided:

- The support activity is directly related to the construction site required to have a NPDES permit coverage for discharges of storm water associated with construction activity.
- The support activity is not a commercial operation serving multiple unrelated construction projects by different operators, and does not operate beyond the completion of the construction activity at the last construction project it supports.
- Appropriate controls and measures are identified in the Storm Water Pollution Prevention Plan [SWPPP] covering the discharges from the support activity areas.

4. Discharges composed of allowable discharges listed in 1.3.A. and 1.3.B commingled with discharge authorized by a different NPDES permit and/or a discharge that does not require NPDES permit authorization.

Allowable storm water discharges are addressed as components of this SWPPP.

## **2.4 Potential Sources of Storm Water Pollution**

Inventory of potential sources of contamination:

Construction activities have been determined to create significant sources of storm water Contaminants.

The following have been identified as potential sources of storm water contamination.

- Areas of significant soil erosion
  - o Slopes greater than 3:1
  - o High velocity run-off channels
- Storage and maintenance areas for material handling equipment;
- Immediate access roads
- Material handling sites [storage loading, unloading, transportation, or, conveyance of any raw material, finished product, intermediate product, by-product or waste]
- Shipping and receiving areas
- Equipment storage
- Refuse sites
- Disposal or application of wastewater [i.e. well drilling waste water]
- Areas containing residual pollutants from past industrial activity, spills and leaks
- Vehicle maintenance and cleaning areas
- Human/animal waste
- Wind

## **2.5 Area/Equipment Tasks Frequency Preventive Maintenance/Inspections**

**INSPECTION REPORTS ARE LOCATED AT THE END OF THIS TAB (rainfall amounts will be recorded on inspection reports)**

Preventative maintenance involves the regular inspection, testing and cleaning of project equipment and operational systems. These inspections will help to uncover conditions that might lead to a release of contaminant. This allows for preventative maintenance issues to prevent such release. The following equipment/activities will be included in the preventative maintenance program.

The Operator shall continually [during scheduled and unscheduled specific site visits] monitor the implemented temporary erosion and sediment control measures during site-specific and project construction activities to ensure the effectiveness and operation condition of the measures. If changes or repairs are needed to improve the effectiveness and operation of a sediment control measure, changes or repairs will be implemented as soon as practicable. In no case shall the discovery of needed corrective action be greater than 7 days.

Maintenance of temporary erosion and sediment control measures will continue until disturbed areas within the project have been stabilized. After the completion of construction activities maintenance measures will be performed when inspection finds it necessary to remove all silt

accumulation or repair deteriorated or damaged structures. Any area detention ponds will be excavated when they lose 50% or more of their design capacity.

The Owner/Operator will provide qualified personnel or companies to inspect disturbed areas of the project. Areas exposed to precipitation such as topsoil stockpiles and non-final stabilized areas will be inspected. Inspections will ensure measures are properly installed or applied and effective.

The Owner/Operator is required to conform to the NPDES requirements, and is required [as the SWPPP requires] to verify that all contractors on this site complete and file a NOI and comply with this SWPPP or originate their own SWPPP. Any sub-contractors working under the directional control of a site operator will sign and participate in the SWPPP or be subject to compliance provisions.

All temporary erosion and sediment control structures, measures, practice locations, and site vehicle access [enter and exit] points **will be inspected every 14 days and within 24 hours after a storm water event of ¼ inch or greater**. Inspectors will document sediment accumulation and if necessary recommend that corrective measures be implemented immediately. If emergency repairs and measures are needed after a significant rainfall [greater than 1/4 inch], such measures and repairs will be performed and completed immediately and before the next significant rainfall event [if weather, supplies/materials and site conditions will permit]. Final stabilized areas and sites will be inspected every 14 days per the NPDES requirements effective February 16, 2022 until the “NOT” is submitted. Inspectors will insure control measures are maintained in good operating condition.

The Operator [qualified personnel] will inspect disturbed areas and structures for erosion and sediment control effectiveness and for the potential of pollutants entering the drainage system. All erosion and sediment control measures not including final stabilization will be inspected and observed to ensure proper operation. Discharge locations will be inspected to assure effectiveness. Inspections will document effectiveness of measures and potential impacts to receiving waters.

The Operator will modify/amend the SWPPP after an inspection has identified that a significant change is needed in the site/project [construction activities have been planned and identified or additional areas requiring temporary erosion and sediment control measures has been discovered]. Controls will then be incorporated into the plan at this location. If necessary, the SWPPP will be amended within seven days following an inspection’s discovery of needed measures and action[s] to disturbed or other eroding areas [caused by construction activities] within the project. An amended NOI will be submitted at least two days prior [unless immediate action is required] to the commencement of construction activities at new location[s] which add new disturbed area, and plan amendments will be incorporated prior to the submittal of the amended NOI.

The Operator will assure that the report is prepared and the inspection conducted by qualified personnel. The inspection report will summarize the inspection and shall contain the date of the inspection, findings, major observations, and certify project compliance with SWPPP and permit. If recommendations for actions are made, corrective measures shall be implemented. The SWPPP will be amended if necessary. Also, the inspection report will identify, describe and contain any incidents of non-compliance. The project Operator [or designated qualified personnel] will sign the

inspection report and must comply with the signatory requirements set forth in the Construction General Permit [CGP]. All NPDES documents associated with this project will be kept for three years after the date on the Notice of Termination [“NOT”].

The Operator will ensure that non-storm water discharges do not cause sediments or pollutants to be discharged to receiving waters. Non-storm water discharges are not planned or expected to take place during the construction activities for the project, other than that exempt by the NPDES Program and this permit [i.e. dust control]. Other exempt non-storm water discharges that could possibly occur within the project during construction include flows from washing of vehicles [without detergents] or dust control.

Changes in construction activities that produce non-exempt non-storm water discharges will be identified and the SWPPP will be amended and the appropriate temporary Erosion and sediment control measures will be implemented.

## **2.6 Good Housekeeping**

Good housekeeping practices are designed to maintain a clean and orderly work environment. This will reduce the potential for significant material to come in contact with storm water.

*The following practices are included in our good housekeeping routine:*

The contractor and subcontractors will use Best Management Practices [BMP's] and general common sense to limit contact between potential pollutants [chemical and other materials] and storm water. A designated parking area will be established, a construction yard will be designated on the Temporary Erosion and Sediment Control Drawing[s] and all temporary bathroom facilities will be located in this area. It is recommended clean rock or gravel be applied in this area to keep possible contaminants contained within this area. This also allows for the ease of cleanup should a spill occur. The contractor and subcontractors will implement good housekeeping practices by maintaining a clean and orderly construction site. BMP and good housekeeping practices will be utilized for: materials management; waste disposal; off-site tracking; spill prevention and response; sanitation; and non-storm water discharges:

Contractor and subcontractor practices will include:

- *Materials Management:* the proper handling and storage and labeling of chemicals and other potentially hazardous or toxic materials. A complete set of Material Safety Data Sheets [MSDS] sheets should be kept and maintained onsite for information purposes. **Service vehicles shall be equipped with an emergency spill kit;** materials will be stored and labeled within the designated staging area and potential hazard materials [i.e. paint, stucco, oil, grease, etc.] be placed on crates or pallets and protected.
- *Waste Disposal:* the disposal of excess materials and solid waste to off-site locations designated as acceptable disposal sites for such materials. The removed material should be disposed of according to local rules and regulations covering hazardous waste.



- *Off-site Tracking*: minimized by requiring vehicles to park in stabilized areas and periodic [once a week or as needed] watering of exposed areas. Should sediment be tracked onto adjacent roadways, a power broom will be used to sweep sediment back onto the jobsite, or sediment can be hand shoveled or broomed from roadway back onto the site.
- *Spill Prevention and Response*: the discharge or spill of hazardous substances is not expected to occur due to or during construction activities. The project and its activities are not expected to use any substance in a manner or quantity that might require the reporting of a release in excess of reportable quantities. However, in the event that some unforeseen incident [spill of hazardous material in excess of reportable quantities] was to occur within the project during construction activities, the following measures will be followed:
  1. The operator will:
    - a) Stop the source of the spill
    - b) Contain the spill
    - c) Clean up the spill
    - d) Dispose of material contaminated by the spill in an environmentally approved disposal site
  2. Notify both the National Response Center (1-800-424-8802) and the New-Mexico Environment's Hazardous and Radioactive Materials Bureau (1-505-827-4300) within 24-hours of a release of hazardous materials in excess of reportable quantities
  3. The operator will submit within 14 calendar days of the notification a description of the incident to the appropriate authorities; the operator will modify the SWPPP, if appropriate, within 14 calendar days of the notification and identify measures to prevent a reoccurrence.
- *Sanitation*: providing temporary facilities [such as portable restrooms] to ensure that the site sanitation requirements comply with federal, state and local regulations. Anchor and place away from areas prone to activity or areas that could potentially carry a spill in the event of an accident.

## **2.7 Spill Control Practices**

In addition to good housekeeping practices discussed in this SWPPP, the following practices will be followed for spill prevention and cleanup:

- Manufacturers recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment materials will include but are not limited to: brooms, dust pans, mops, rags, gloves, goggles, cat litter, sand, saw dust as well as plastic and metal trash containers specifically for this purpose.

- All spills will be cleaned up after discovery.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Spills of toxic or hazardous material will be reported to the appropriate state or local government agency, regardless of size.

## SUMMARY OF SPILLS AND LEAKS

A) <u>SUBSTANCE</u>	Date	Cause	Corrective Measures
(B)			
(C)			
(D)			
(E)			
(F)			
(G)			
(H)			

<u>Substance</u>	<u>Released to</u>	<u>Reportable quantity</u>
Engine oil, fuel, hydraulic and brake fluid	Land	25 gallons
Engine oil, fuel, hydraulic and brake fluid	Water	Visible Sheen
Antifreeze	Land	100 lbs.
Battery acid	Land, Water	100 lbs.
Freon	Air	1 lb.

### Points of Contact for Reportable Quantities:

EPA National Response Center	(800) 424-8802
NM Environment Department	(505) 827-9329 (emergency) (505) 428-6535 (non-emergency)

## 2.8 Listed BMP Justification and Rationale

### 1. Rationale for BMP's

In this Temporary Erosion and Sediment Control drawing[s] Fiber Roll was included in the sediment yield analysis. Fiber Roll was considered as the **major component** is due to the effectiveness for sediment control and the ease of use at the construction site.

### 2. BMP Design and Construction Specifications

The primary overall design specification for this BMP to be used in this project is that the listed BMP must be designed so as to reduce the construction phase sediment yield from the project to a level at or below the pre-construction undisturbed condition. The specifications are provided in the form of construction details and notes shown within the SWPPP documentation.

### 3. Maintenance Schedule and Inspection Criteria

The maintenance and inspection criterion for the BMP's to be used during construction is given in the SWPPP documentation. Inspection, maintenance and rain event forms are provided in the SWPPP that need to be completed to ensure the effectiveness of the required project BMP's. After construction is complete [70% of the original natural vegetated state is substantially complete for the NOT execution], sediment control is achieved primarily by stabilization practices as opposed to structural practices.

### 4. BMP Performance and Longevity

Given proper installation and maintenance, the BMP specified in the SWPPP documentation and analyzed herein are expected to perform at least as well as predicted by this analysis. Again, given proper maintenance as required by the SWPPP for operator performance during construction the longevity of the BMP's are expected to be equal to the duration of this project.

### 5. Conclusion

The RUSLE equation and sediment yield analysis indicates that composted Fiber Rolls will be effective in controlling the sediment yield [travel] during construction of this project. It is anticipated that the sediment yields [travel] after construction will be similar to yields under existing conditions and implementation of the BMP's will lessen sediment runoff after construction. Rainfall intensity and Frequency charts included after page 6 were used to calculate the RUSLE output. The during and post construction will have a lower RUSLE factor due to grading and improved velocity dissipating devices.

## 2.9 Pollutants from Support Activities (Asphalt/Concrete Plants)

There are no anticipated or potential impacts related to support activities from asphalt or concrete plants. Required materials are to be generated/produced and supplied by sources outside and away from project area. Others permit these sites and are required to comply with NPDES regulations.

## 2.10 Potential Pollutants Used and/or Found Onsite

The following potential pollutants were evaluated for this project and whether or not they have a potential to affect storm water discharge from the job site. Including but not limited to:

<u>Pollutant</u>		<u>Activity</u>
Oil	Potential Effect	Maintenance activity/Operations
Grease	Potential Effect	Maintenance activity/Operations
Ethylene Glycol	Potential Effect	Vehicle use/maintenance
Petroleum Hydrocarbons	Potential Effect	Vehicle use/maintenance
Suspended Solids	Potential Effect	Grading activities
Dissolved Solids	Potential Effect	Grading activities
Turbidity	Potential Effect	Grading activities
Trash (wood, paper, cigarettes, ash, etc)	Potential Effect	General operations
Fecal Coliforms (human/animal)	Potential Effect	Portapotty use
Tar	Potential Effect	Paving Ops (n/a)
Asphalt	Potential Effect	Curb/Gutter (n/a)
Cement	Potential Effect	Curb/Gutter (n/a)
Glues	Potential Effect	Finishing activities
Solvents	Potential Effect	Paving Ops/Maintenance
Metals	Potential Effect	Operations
Asbestos	Potential Effect.	Operations/Building Demo

## 2.11 Runoff Coefficient and RUSLE Calculations

See attached sediment control calculations and figures for:

- Pre existing sediment basins [pre construction]
- Bare ground sediment basins [during construction]
- Urban sediment basins [post construction]

### *Total Area and Area of Disturbed Soil/Sediment Control Flow Calculations*

The project is subject to the requirements of the EPA Region VI General Permit. The project will utilize an **NPDES permit [NMR1004XE]** from the EPA and implement a SWPPP with Best Management Practices [BMP's] during construction activities to prevent and reduce pollutants and construction site run-off, due to activities performed, from leaving the project site during storm events. The SWPPP includes BMP's with temporary and permanent measures to prevent and reduce pollutants from leaving the project. The temporary erosion and sediment control measures

identified in this plan will be observed by project operators and contracted consultants to ensure measures are effective in preventing impacts to the receiving watershed.

See next page for RUSLE calculations.

### **2.12 Revegetation plan**

COA Specification 1012 will be followed for Class A seeding or equivalent for areas not covered by landscaping, riprap, or pavement.

Pre construction and post construction soil loss computation will be identical due to no permanent measures or changes to topography. During construction, berms/wattle will be placed in ditches to slow velocity of flow. After construction activities are completed, berms will be removed.

[illegible][illegible][illegible]

### 2.13 Revisions

REVISIONS TO THE STORM WATER POLLUTION PREVENTION PLAN		
Date	Description of Revision	Authorized Signature

## **2.14 Inspections (inspector certifications)**

Inspection reports per the CGP will be located after this sheet

### **Conditions:**

The decisions of operational control and implementation of BMP's of the Owner/Operator and/or by Contractor/Operator[s] of the Kairos Power Facility Expansion Project and components of the construction are the responsibility of the operators. Caldon Seeding and Reclamation, LLC is not liable for the operational decisions of the Owner/Operator and/or Contractor/Operators or the failure of the same to follow the recommendations outlined in the SWPPP documentation. The operator[s] agree to hold harmless Caldon Seeding and Reclamation for any potential violations the Contractor/Operator may receive for operational violations from regulatory agencies such as federal governments, city governments, the State, or EPA. CSR will answer inquiries on the preparation and recommendations made therein including the support of such recommendations or preparations to any regulatory agencies

By accepting the SWPPP, the owner/operator and contractor/operator accepts its conditions.



Submission of this Notice of Intent (NOI) constitutes notice that the operator identified in Section III of this form requests authorization to discharge pursuant to the NPDES Construction General Permit (CGP) permit number identified in Section II of this form. Submission of this NOI also constitutes notice that the operator identified in Section III of this form meets the eligibility requirements of Part 1.1 CGP for the project identified in Section IV of this form. Permit coverage is required prior to commencement of construction activity until you are eligible to terminate coverage as detailed in Part 8 of the CGP. To obtain authorization, you must submit a complete and accurate NOI form. Discharges are not authorized if your NOI is incomplete or inaccurate or if you were never eligible for permit coverage. Refer to the instructions at the end of this form.

Permit Information

NPDES ID: NMR1004XE

State/Territory to which your project/site is discharging: NM

Is your project/site located on federally recognized Indian Country lands? No

Are you requesting coverage under this NOI as a "Federal Operator" or a "Federal Facility" as defined in Appendix A (https://www.epa.gov/system/files/documents/2022-01/2022-cgp-final-appendix-a-definitions.pdf)? No

Have stormwater discharges from your current construction site been covered previously under an NPDES permit? No

Will you use polymers, flocculants, or other treatment chemicals at your construction site? No

Has a Stormwater Pollution Prevention Plan (SWPPP) been prepared in advance of filling this NOI, as required? Yes

Are you able to demonstrate that you meet one of the criteria listed in Appendix D (https://www.epa.gov/system/files/documents/2022-01/2022-cgp-final-appendix-d-endangered-species-protection.pdf) with respect to protection of threatened or endangered species listed under the Endangered Species Act (ESA) and federally designated critical habitat?  
Yes

Have you completed the screening process in Appendix E (https://www.epa.gov/system/files/documents/2022-01/2022-cgp-final-appendix-e-historic-properties.pdf) relating to the protection of historic properties? Yes

Indicating "Yes" below, I confirm that I understand that CGP only authorized the allowable stormwater discharges in Part 1.2.1 and the allowable non-stormwater discharges listed in Part 1.2.2. Any discharges not expressly authorized in this permit cannot become authorized or shielded from liability under CWA section 402(k) by disclosure to EPA, state or local authorities after issuance of this permit via any means, including the Notice of Intent (NOI) to be covered by the permit, the Stormwater Pollution Prevention Plan (SWPPP), during an Inspection, etc. If any discharges requiring NPDES permit coverage other than the allowable stormwater and non-stormwater discharges listed in Parts 1.2.1 and 1.2.2 will be discharged, they must be covered under another NPDES permit.  
Yes

Operator Information

Operator Information

Operator Name: Kairos Power Facility

Operator Mailing Address:  
Address Line 1: 5201 Hawking Drive SE  
Address Line 2: City: Albuquerque  
ZIP/Postal Code: 87106 State: NM  
County or Similar Division: Bernalillo

Operator Point of Contact Information

First Name Middle Initial Last Name: Lara Gutierrez

Title: Manager

Phone: 510-808-5265 Ext.:

Email: gutierrez@kairospower.com

NOI Preparer Information

☐ This NOI is being prepared by someone other than the certifier.

Project/Site Information

Project/Site Name: Kairos Power Facility Expansion

Project/Site Address  
Address Line 1: 5201 Hawking Drive SE  
Address Line 2: City: Albuquerque  
ZIP/Postal Code: 87106 State: NM  
County or Similar Division: Bernalillo

Latitude/Longitude: 35.005313°N, 106.612134°W  
Latitude/Longitude Data Source: Map Horizontal Reference Datum: WGS 84

Project Start Date: 07/22/2022 Project End Date: 07/31/2023 Estimated Area to be Disturbed: 1.75

Types of Construction Sites:

- Utility

Will there be demolition of any structure built or renovated before January 1, 1980? No

Will you be discharging dewatering water from your site? No

Was the pre-development land use used for agriculture? No

Are there other operators that are covered under this permit for the same project site? No

Have earth-disturbing activities commenced on your project/site? No

Is your project/site located on federally recognized Indian Country lands? No

Is your project/site located on a property of religious or cultural significance to an Indian tribe? No

Discharge Information

Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? No

Are there any waters of the U.S. within 50 feet of your project's earth disturbances? No

Are any of the waters of the U.S. to which you discharge designated by the state or tribal authority under its antidegradation policy as a Tier 2 (or Tier 2.5) water (water quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water) or as a Tier 3 water (Outstanding National Resource Water)? See Resources, Tools and Templates (<https://www.epa.gov/npdes/construction-general-permit-resources-tools-and-templates>)

No

001: Drainage to Tijeras Arroyo

Latitude/Longitude: [35.005909°N, 106.613576°W](#)

Tier Designation: [N/A](#)

Is this receiving water impaired (on the CWA 303(d) list)? [No](#)

Has a TMDL been completed for this receiving waterbody? [No](#)

Stormwater Pollution Prevention Plan (SWPPP)

Will all required personnel, including those conducting inspections at your site, meet the training requirements in Part 6 of this permit? Yes

First Name Middle Initial Last Name: [Len](#) . [Horan](#)

Title: [Engineer](#)

Phone: [505-699-5913](#)

Ext.:

Email: [lenhoran@rocketmail.com](mailto:lenhoran@rocketmail.com)

Endangered Species Protection Worksheet: Criterion E

Determine ESA Eligibility Criterion

Are your discharges and discharge-related activities already addressed in another operator's valid certification of eligibility for your "action area" under the current 2022 CGP? [No](#)

Has consultation between you, a Federal Agency, and the USFWS and/or the NMFS under section 7 of the Endangered Species Act (ESA) concluded? [Yes](#)

➤ The result of the consultation was:

Option ii. Written concurrence (e.g., letter of concurrence) from the applicable Service(s) with a determination that your site's discharges and discharge-related activities are not likely to adversely affect ESA-listed species and/or designated critical habitat. The concurrence letter must have included the effects of your site's discharges and discharge-related activities on all the ESA-listed species and/or designated critical habitat on your species list(s) acquired from USFWS and/or NMFS as part of this worksheet.

➤ The consultation does not warrant reinitiation under 50 CFR §402.16; or, if reinitiation of consultation is required (e.g., due to a new species listing, critical habitat designation, or new information), the federal action agency has reinitiated the consultation and the result of the consultation is consistent with the statements above. Include any reinitiation documentation from the Services or consulting federal agency with your NOI.

[True](#)

You are eligible under **Criterion E**.

Identify the federal action agency or agencies involved (i.e. the federal agencies seeking coverage):

US Dept of Interior – USFWS

Identify the Service(s) field or regional offices providing the consultation:

USFWS – New Mexico Service

Identify any tracking numbers associated with the consultation (e.g., IPaC number, ECO number):

2022–00161914

Provide the date the consultation was completed: [2022-07-08](#)

Attach correspondence with USFWS and/or NMFS documenting the Biological Opinion, conference opinion (IPaC or ECO tracking number) or concurrence.

Name	Uploaded Date	Size
 Species List_ New Mexico Ecological Services Field Office (1).pdf (attachment/1553143)	07/08/2022	581.69 KB

Historic Preservation

Are you installing any stormwater controls as described in Appendix E (<https://www.epa.gov/system/files/documents/2022-01/2022-cgp-final-appendix-e-historic-properties.pdf>) that require subsurface earth disturbances? (Appendix E (<https://www.epa.gov/system/files/documents/2022-01/2022-cgp-final-appendix-e-historic-properties.pdf>), Step 1)

No

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

**Certified By:** Lara Gutierrez

**Certifier Title:** Manager

**Certifier Email:** gutierrez@kairospower.com

**Certified On:** 07/08/2022 4:08 PM ET



# EPA NPDES Storm Water Program



The following information is posted in compliance with Part 3.12.B. of the NPDES Region 6 Storm Water Construction General Permit [68 Fed. Reg. 39087]. This form should be posted in a conspicuous place accessible by the public at the entrance of the facility. All parties that either individually, or taken together, meet the definition of "operator," must be permitted. Each party should complete and post a separate form. Each of these parties must have separate and distinct NPDES permit numbers (e.g. a separate permit is typically needed for each Owner/Developer, General Contractor, and/or Builder). If you do not know your NPDES Permit Number, contact the NOI Processing Center at (866)352-7755. EPA's Region 6 storm water hotline phone number is (214)665-8060. If you have mailed your NOI application form and have not received a permit number, you must post a copy of the NOI application form next to this document until you receive your permit number. This form was prepared as an example and it is not a required form for use with the permit. This information may be displayed in alternative form or formats within guidelines set forth in the permit. Additional information regarding the NPDES Region 6 storm water program may be found on the Internet at <http://www.epa.gov/region6/sw/>. Any person with a complaint about the operation of this facility in regards to this permit should contact EPA Region 6 at (214)665-8060.

Permit Number	
Contact Name	
Contact Phone	
Project Description	
SWPPP Location (Only necessary if the site is inactive or does not have an on-site location to store the plan.)	

**Appendix F - Notice of Termination Form and Instructions**

From the effective date of this permit, operators are to use the Notice of Termination Form contained in this Appendix to terminate permit coverage.

NPDES  
Form



United States Environmental Protection Agency  
Washington, DC 20460  
**Notice of Termination (NOT) of Coverage Under an NPDES General Permit for Storm  
Water Discharges Associated with Construction Activity**

Submission of this Notice of Termination constitutes notice that the party identified in Section II of this form is no longer authorized to discharge storm water associated with construction activity under the NPDES program from the site identified in Section III of this form. All necessary information must be included on this form. Refer to the instructions at the end of this form.

### I. Permit Information

NPDES Storm Water General Permit Tracking Number:

Reason for Termination (Check only one):

Final stabilization has been achieved on all portions of the site for which you are responsible.

Another operator has assumed control, according to Appendix G, Section 11.C of the CGP, over all areas of the site that have not been finally stabilized.

Coverage under an alternative NPDES permit has been obtained.

For residential construction only, temporary stabilization has been completed and the residence has been transferred to the homeowner.

### II. Operator Information

Name:

IRS Employer Identification Number (EIN):  -

#### Mailing Address:

Street:

City:  State:  Zip Code:  -

Phone:  -  -  Fax (optional):  -  -

E-mail (optional):

### III. Project/Site Information

Project/Site Name:

Project Street/Location:

City:  State:  Zip Code:  -

County or similar government subdivision:

### IV. Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name:

Print Title:

Signature: *Lara Gutierrez*

Date: 7/21/2022

Instructions for Completing EPA Form 3510-13  
**Notice of Termination (NOT) of Coverage Under an NPDES General Permit for  
Storm Water Discharges Associated with Construction Activity**

NPDES Form      This Form Replaces Form 3517-7 (8-98)

Form Approved OMB Nos. 2040-0086 and 2040-0211

**Who May File an NOT Form**

Permittees who are presently covered under the EPA-issued National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction Activity may submit an NOT form when final stabilization has been achieved on all portions of the site for which you are responsible; another operator has assumed control in accordance with Appendix G, Section 11.C of the General Permit over all areas of the site that have not been finally stabilized; coverage under an alternative NPDES permit has been obtained; or for residential construction only, temporary stabilization has been completed and the residence has been transferred to the homeowner.

"Final stabilization" means that all soil disturbing activities at the site have been completed and that a uniform perennial vegetative cover with a density of at least 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed. See "final stabilization" definition in Appendix A of the Construction General Permit for further guidance where background native vegetation covers less than 100 percent of the ground, in arid or semi-arid areas, for individual lots in residential construction, and for construction projects on land used for agricultural purposes.

**Completing the Form**

Type or print, using uppercase letters, in the appropriate areas only. Please place each character between the marks. Abbreviate if necessary to stay within the number of characters allowed for each item. Use only one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. If you have any questions about this form, refer to [www.epa.gov/npdes/stormwater/cgp](http://www.epa.gov/npdes/stormwater/cgp) or telephone the Storm Water Notice Processing Center at (866) 352-7755. Please submit original document with signature in ink - do not send a photocopied signature.

**Section I. Permit Number**

Enter the existing NPDES Storm Water General Permit Tracking Number assigned to the project by EPA's Storm Water Notice Processing Center. If you do not know the permit tracking number, refer to [www.epa.gov/npdes/stormwater/cgp](http://www.epa.gov/npdes/stormwater/cgp) or contact the Storm Water Notice Processing Center at (866) 352-7755.

Indicate your reason for submitting this Notice of Termination by checking the appropriate box. Check only one:

*Final stabilization has been achieved on all portions of the site for which you are responsible.*

*Another operator has assumed control according to Appendix G, Section 11.C over all areas of the site that have not been finally stabilized.*

*Coverage under an alternative NPDES permit has been obtained.*

*For residential construction only, if temporary stabilization has been completed and the residence has been transferred to the homeowner.*

**Section II. Operator Information**

Provide the legal name of the person, firm, public organization, or any other entity that operates the project described in this application and is covered by the permit tracking number identified in Section I. The

operator of the project is the legal entity that controls the site operation, rather than the site manager. Provide the employer identification number (EIN from the Internal Revenue Service; IRS). If the applicant does not have an EIN enter "NA" in the space provided. Enter the complete mailing address and telephone number of the operator. *Optional:* enter the fax number and e-mail address of the operator.

**Section III. Project/Site Information**

Enter the official or legal name and complete street address, including city, state, zip code, and county or similar government subdivision of the project or site. If the project or site lacks a street address, indicate the general location of the site (e.g., Intersection of State Highways 61 and 34). Complete site information must be provided for termination of permit coverage to be valid.

**Section IV. Certification Information**

All applications, including NOIs, must be signed as follows:

*For a corporation:* By a responsible corporate officer. For the purpose of this Part, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

*For a partnership or sole proprietorship:* By a general partner or the proprietor, respectively; or

*For a municipality, state, federal, or other public agency:* By either a principal executive officer or ranking elected official. For purposes of this Part, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA).

Include the name and title of the person signing the form and the date of signing. An unsigned or undated NOT form will not be considered valid termination of permit coverage.

**Paperwork Reduction Act Notice**

Public reporting burden for this application is estimated to average 0.5 hours per notice, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form including any suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, 2136, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include the OMB number on any correspondence. Do not send the completed form to this address. **Visit this website for mailing instructions:** [http://cfpub.epa.gov/npdes/stormwater/application\\_coverage.cfm#mail](http://cfpub.epa.gov/npdes/stormwater/application_coverage.cfm#mail)



## United States Department of the Interior

FISH AND WILDLIFE SERVICE  
New Mexico Ecological Services Field Office  
2105 Osuna Road Ne  
Albuquerque, NM 87113-1001  
Phone: (505) 346-2525 Fax: (505) 346-2542



In Reply Refer To:  
Project Code: 2022-0061914  
Project Name: Kairos Power Facility Expansion

July 08, 2022

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Thank you for your recent request for information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of New Mexico wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 *et seq.*), the Migratory Bird Treaty Act as amended (16 USC 701-715), and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668(c)). We are providing the following guidance to assist you in determining which federally imperiled species may or may not occur within your project area, and to recommend some conservation measures that can be included in your project design.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the ESA is to provide a means whereby threatened and endangered species and



the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA; 42 USC 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at <http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>.

### **Candidate Species and Other Sensitive Species**

A list of candidate and other sensitive species in your area is also attached. Candidate species and other sensitive species are species that have no legal protection under the ESA, although we recommend that candidate and other sensitive species be included in your surveys and considered for planning purposes. The Service monitors the status of these species. If significant declines occur, these species could potentially be listed. Therefore, actions that may contribute to their decline should be avoided.

Lists of sensitive species including State-listed endangered and threatened species are compiled by New Mexico State agencies. These lists, along with species information, can be found at the following websites.

Biota Information System of New Mexico (BISON-M): [www.bison-m.org](http://www.bison-m.org)

New Mexico State Forestry. The New Mexico Endangered Plant Program:  
<https://www.emnrd.nm.gov/sfd/rare-plants/>

New Mexico Rare Plant Technical Council, New Mexico Rare Plants: [nmrareplants.unm.edu](http://nmrareplants.unm.edu)

Natural Heritage New Mexico, online species database: [nhnm.unm.edu](http://nhnm.unm.edu)

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## WETLANDS AND FLOODPLAINS

Under Executive Orders 11988 and 11990, Federal agencies are required to minimize the destruction, loss, or degradation of wetlands and floodplains, and preserve and enhance their natural and beneficial values. These habitats should be conserved through avoidance, or mitigated to ensure that there would be no net loss of wetlands function and value.

We encourage you to use the National Wetland Inventory (NWI) maps in conjunction with ground-truthing to identify wetlands occurring in your project area. The Service's NWI program website, [www.fws.gov/wetlands/Data/Mapper.html](http://www.fws.gov/wetlands/Data/Mapper.html), integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

## MIGRATORY BIRDS

In addition to responsibilities to protect threatened and endangered species under the ESA, there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the Service (50 CFR 10.12 and 16 USC 668(a)). For more information regarding these Acts see <https://www.fenws.gov/birds/policies-and-regulations.php>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php>. We also recommend review of the Birds of Conservation Concern list (<https://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>) to fully evaluate the effects to the birds at your site. This list identifies migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent top conservation priorities for the Service, and are potentially threatened by disturbance, habitat impacts, or other project development activities.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 thereby provides additional protection for both migratory birds and migratory bird habitat. Please visit <https://www.fws.gov/migratorybirds/pdf/management/executiveordertoprotectmigratorybirds.pdf> for information

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regarding the implementation of Executive Order 13186.

We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico Energy, Minerals, and Natural Resources Department, Forestry Division for information regarding State protected and at-risk species fish, wildlife, and plants.

For further consultation with the Service we recommend submitting inquiries or assessments electronically to our incoming email box at [nmesfo@fws.gov](mailto:nmesfo@fws.gov), where it will be more promptly routed to the appropriate biologist for review.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- Migratory Birds

## Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**New Mexico Ecological Services Field Office**

2105 Osuna Road Ne

Albuquerque, NM 87113-1001

(505) 346-2525

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## Project Summary

Project Code: 2022-0061914

Event Code: None

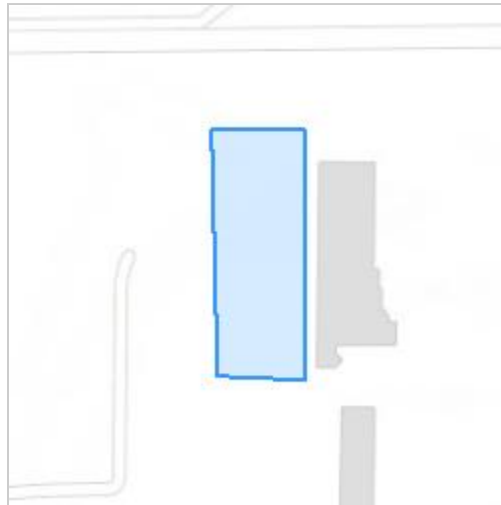
Project Name: Kairos Power Facility Expansion

Project Type: Stormwater Discharge with NPDES Permit

Project Description: Utility expansion in Albuquerque, NM 2022

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@35.00514895,-106.61188564610455,14z>



Counties: Bernalillo County, New Mexico

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## Endangered Species Act Species

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## Mammals

NAME	STATUS
New Mexico Meadow Jumping Mouse <i>Zapus hudsonius luteus</i> There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available. Species profile: <a href="https://ecos.fws.gov/ecp/species/7965">https://ecos.fws.gov/ecp/species/7965</a>	Endangered

## Birds

NAME	STATUS
Mexican Spotted Owl <i>Strix occidentalis lucida</i> There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available. Species profile: <a href="https://ecos.fws.gov/ecp/species/8196">https://ecos.fws.gov/ecp/species/8196</a>	Threatened
Southwestern Willow Flycatcher <i>Empidonax traillii extimus</i> There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available. Species profile: <a href="https://ecos.fws.gov/ecp/species/6749">https://ecos.fws.gov/ecp/species/6749</a>	Endangered
Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available. Species profile: <a href="https://ecos.fws.gov/ecp/species/3911">https://ecos.fws.gov/ecp/species/3911</a>	Threatened

## Fishes

NAME	STATUS
Rio Grande Silvery Minnow <i>Hybognathus amarus</i> Population: Wherever found, except where listed as an experimental population There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available. Species profile: <a href="https://ecos.fws.gov/ecp/species/1391">https://ecos.fws.gov/ecp/species/1391</a>	Endangered

## Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

## Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

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# Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

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1. The [Migratory Birds Treaty Act](#) of 1918.
  2. The [Bald and Golden Eagle Protection Act](#) of 1940.
  3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

**The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern \(BCC\)](#) list or warrant special attention in your project location.** To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Cassin's Finch <i>Carpodacus cassinii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9462">https://ecos.fws.gov/ecp/species/9462</a>	Breeds May 15 to Jul 15
Long-eared Owl <i>asio otus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/3631">https://ecos.fws.gov/ecp/species/3631</a>	Breeds Mar 1 to Jul 15

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NAME	BREEDING SEASON
<b>Olive-sided Flycatcher <i>Contopus cooperi</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/3914">https://ecos.fws.gov/ecp/species/3914</a>	Breeds May 20 to Aug 31
<b>Pinyon Jay <i>Gymnorhinus cyanocephalus</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9420">https://ecos.fws.gov/ecp/species/9420</a>	Breeds Feb 15 to Jul 15
<b>Virginia's Warbler <i>Vermivora virginiae</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9441">https://ecos.fws.gov/ecp/species/9441</a>	Breeds May 1 to Jul 31

## Probability Of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

### Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### Survey Effort (|)

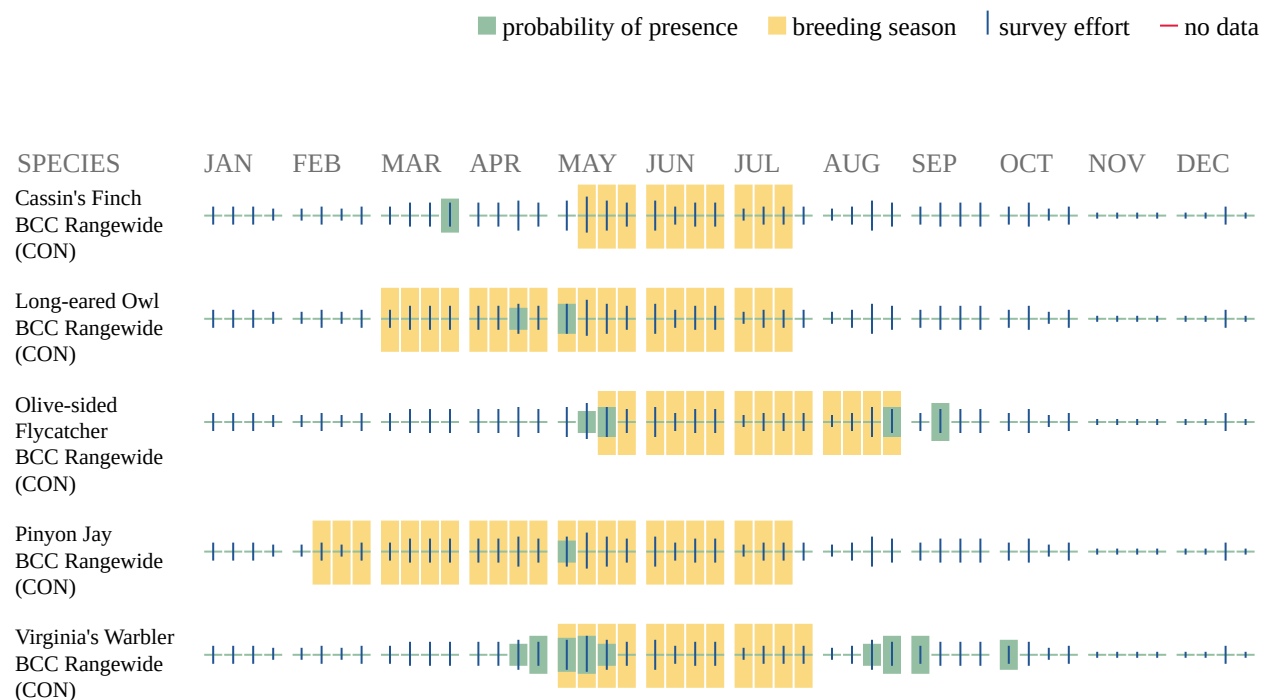
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

### No Data (—)

A week is marked as having no data if there were no survey events for that week.

### Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

## Migratory Birds FAQ

**Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.**

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

**What does IPaC use to generate the migratory birds potentially occurring in my specified location?**

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

**What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

**How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your

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project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### **What are the levels of concern for migratory birds?**

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

### **Details about birds that are potentially affected by offshore projects**

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

### **What if I have eagles on my list?**

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

### **Proper Interpretation and Use of Your Migratory Bird Report**

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no

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data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

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## **IPaC User Contact Information**

Agency: Kairos Power

Name: Len Horan

Address: PO Box 507

City: Tierra Amarilla

State: NM

Zip: 87575

Email: lenhoran@rocketmail.com

Phone: 5056995913

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BERNALILLO COUNTY HISTORICAL SITES				
Resource Name	Address	City	Listed	Multiple
Albuquerque Municipal Airport Building, Old	2920 Yale Blvd., SE	Albuquerque	5/5/89	
Albuquerque Veterans Administration Medical Center	2100 Ridgcrest, SE	Albuquerque	8/19/83	
Aldo Leopold Neighborhood Historic District	105-135 Fourteenth St., SW	Albuquerque	10/16/02	Twentieth Century Suburban Growth of Albuquerque MPS
Anaya, Gavino, House	2939 Duranes Rd., NW	Albuquerque	2/9/84	Albuquerque North Valley MRA
Armijo, Juan Cristobal, Homestead	207 Griegos Rd., NE	Albuquerque	9/30/82	Albuquerque North Valley MRA
Armijo, Sandoval, House	618 Rio Grande Blvd., NW	Albuquerque	10/8/76	
Art Annex	NE corner of Central Ave. and Terrace St., UNM	Albuquerque	9/22/88	New Mexico Campus Building Built 1906-1937 TR
Aztec Auto Court	3821 Central Ave., NE	Albuquerque	11/22/93	Route 66 through New Mexico MPS
Barela, Adrian, House	7618 Guadalupe Trail, NW	Albuquerque	2/9/84	Albuquerque North Valley MRA
Barela-Bledsoe House	7017 Edith Blvd., NE	Albuquerque	3/12/79	Albuquerque North Valley MRA
Barelas - South Forth Street Historic District	4th St. from Stover Ave. to Bridge St.	Albuquerque	7/24/97	Auto-oriented Commercial Development in Albuquerque MPS
Bottger, Charles A., House	110 San Felipe SW	Albuquerque	3/7/83	
Building at 701 Roma NW	701 Roma, NW	Albuquerque	2/18/85	
Carlisle Gymnasium	UNM Campus W of Yale Blvd.	Albuquerque	9/22/88	New Mexico Campus Building Built 1906-1937 TR
Carnes, Chester, House	701 13th St., NW	Albuquerque	12/1/80	Albuquerque Downtown Neighborhoods MRA
Castle Apartments	1410 Central SW	Albuquerque	2/13/86	
Chavez, Juan de Dios, House	205 Griegos Rd. NW	Albuquerque	2/9/84	Albuquerque North Valley MRA
Chavez, Juan, House	7809 4th St., NW	Albuquerque	2/9/84	Albuquerque North Valley MRA
Chavez, Rumlado, House	10023 Edith Blvd., NE	Albuquerque	11/24/80	Albuquerque North Valley MRA
Coronado School	601 4th St., SW	Albuquerque	11/22/96	New Deal in New Mexico MPS
Cottage Bakery	2000 Central Ave. SE.	Albuquerque	11/22/93	Route 66 through New Mexico MPS
Davis House	704 Parkland Circle, SE	Albuquerque	11/17/80	
De Anza Motor Lodge	4301 Central Ave., NE	Albuquerque	4/30/04	Route 66 through New Mexico MPS
De Garcia, Tomasa Griego, House	6939 Edith Blvd., NE	Albuquerque	6/19/79	Albuquerque North Valley MRA
Dietz, Robert, Farmhouse	4117 Rio Grande Blvd., NW	Albuquerque	2/9/84	Albuquerque North Valley MRA
Eighth Street - Forrester District	Roughly bounded by Mountain Rd., Lomas Blvd., Forrester and 7th Sts.	Albuquerque	12/1/80	Albuquerque Downtown Neighborhoods MRA
El Campo Tourist Courts	5800 Central Ave. SW	Albuquerque	1/13/94	Route 66 through New Mexico MPS
El Vado Auto Court	2500 Central Ave., SW	Albuquerque	11/22/93	Route 66 through New Mexico MPS
Eller Apartments	113-127 8th St., SW	Albuquerque	1/12/84	
Employees' New Dormitory Club	Albuquerque Indian School Campus	Albuquerque	7/26/86	
Enchanted Mesa Trading Post	9612 Central Ave., SE	Albuquerque	1/9/98	Route 66 through New Mexico MPS
Estufa	SE corner of University Blvd. and Grand Ave. UNM	Albuquerque	9/22/88	New Mexico Campus Building Built 1906-1937 TR
Federal Building	421 Gold Ave., SW	Albuquerque	11/22/80	
First Methodist Episcopal Church	3rd St. and Lead Ave.	Albuquerque	11/7/76	
First National Bank Building	217-233 Central Ave., NW	Albuquerque	2/2/79	
Foraker, C. M., Farmhouse	905 Menaul Blvd. NW	Albuquerque	2/9/84	Albuquerque North Valley MRA
Fourth Ward District	Roughly Bounded by Central Ave., Lomas Blvd., 8th and 15th Sts.	Albuquerque	12/1/80	Albuquerque Downtown Neighborhoods MRA
Garcia, Juan Antonio, House	7442 Edith Blvd., NE	Albuquerque	9/28/82	Albuquerque North Valley MRA
Gladding, James N., House	643 Cedar St., NE	Albuquerque	11/17/80	
Gomez, Refugio, House	7604 Guadalupe Trail, NW	Albuquerque	2/19/84	Albuquerque North Valley MRA
Grande, Charles, House	4317 Grande St., NW	Albuquerque	2/9/84	Albuquerque North Valley MRA
Gurule, Delfinia, House	306 16th St., NW	Albuquerque	12/1/80	Albuquerque Downtown Neighborhoods MRA
Harwood School	1114 7th St., NW	Albuquerque	12/1/80	Albuquerque Downtown Neighborhoods MRA
Hayden, A. W., House	609 Marble St. NW	Albuquerque	12/1/80	Albuquerque Downtown Neighborhoods MRA
Hendren Building	3001 Monte Vista Blvd. NE	Albuquerque	1/27/00	Auto-oriented Commercial Development in Albuquerque MPS
Hilltop Lodge	5410 Central Ave., SW	Albuquerque	1/9/88	Route 66 through New Mexico MPS
Hodgin Hall	University of New Mexico Campus	Albuquerque	1/9/88	
Holy Child Church	Off I-40	Tijeras	3/8/78	
Hope Building	220 Gold St., SW	Albuquerque	8/29/80	
Horn Oil Co. and Lodge	1720 Central Ave.	Albuquerque	1/9/88	Route 66 through New Mexico MPS
Hudson House	817 Gold Ave., SW	Albuquerque	2/24/82	
Huning Highlands Conoco Service Station	601 Cold Ave., SE	Albuquerque	7/19/06	Auto-oriented Commercial Development in Albuquerque MPS
Huning Highlands Historic District	Bounded by Grand Ave., I-25, Iron Ave. and AT & SF RR	Albuquerque	11/17/78	
Isleta Pueblo	U.S. 85	Isleta	9/5/75	
Jones Motor Company	3226 Central Ave., SE	Albuquerque	11/22/93	Route 66 through New Mexico MPS
Jonson Gallery and House	1909 Las Lomas Rd., NE	Albuquerque	2/22/02	
Kimo Theater	421 Central Ave.	Albuquerque	5/2/77	
Kress, S. H., Building	414-416 Central Ave., SW	Albuquerque	4/19/84	
Kromer House	1024 El Pueblo Rd., NW	Albuquerque	10/4/82	Albuquerque North Valley MRA
La Mesa Motel	7407 Central Ave., NE	Albuquerque	11/22/93	Route 66 through New Mexico MPS
La Puerta Lodge	9710 Central Ave., SE	Albuquerque	1/9/98	Route 66 through New Mexico MPS
LaGlorieta House	1801 Central Ave., NW	Albuquerque	8/19/83	Albuquerque Downtown Neighborhoods MRA
Las Imagines Archeological District - Albuquerque West Mesa Escarpment	Address Restricted	Albuquerque	11/19/86	
LeFeber, Charles, House	313 5th St.	Albuquerque	12/1/80	Albuquerque Downtown Neighborhoods MRA
Lembke House	312 Laguna St., SW	Albuquerque	11/25/80	
Leverett, William J., House	301 Dartmouth NE	Albuquerque	2/13/86	
Lewis, Charles W., Building	1405-1407 2nd St., SW	Albuquerque	7/3/79	
Lopez, Hilario, House	208 16th St. NW	Albuquerque	12/1/80	Albuquerque Downtown Neighborhoods MRA
Los Candelarias Chapel - San Antonio Chapel	1934 Candelaria Rd., NW	Albuquerque	2/9/84	Albuquerque North Valley MRA
Los Duranes Chapel	2601 Indian School Rd., NW	Albuquerque	2/9/84	Albuquerque North Valley MRA
Los Griegos Historic District	Griegos Rd. and Rio Grande Blvd.	Albuquerque	2/9/84	Albuquerque North Valley MRA
Los Pablanos Historic District	NM 194	Los Ranchos	5/27/82	Albuquerque North Valley MRA
Los Tomasos Chapel	3101 Los Tomasos, NW	Albuquerque	2/9/84	Albuquerque North Valley MRA
Lucero y Montoya, Francisco, House	9742 4th St., NW	Albuquerque	2/9/84	Albuquerque North Valley MRA
Luna Lodge	9019 Central Ave., NE	Albuquerque	6/11/98	Route 66 through New Mexico MPS
Maisel's Indian Trading Post	510 Central Ave., SW	Albuquerque	11/22/93	Route 66 through New Mexico MPS
Mann, Henry, House	723 14th St., NW	Albuquerque	12/1/80	Albuquerque Downtown Neighborhoods MRA
Manzano Court Addition Historic District	1000-1025 Manzano Court NW	Albuquerque	10/14/04	Twentieth Century Suburban Growth of Albuquerque MPS
McCanna-Hubbell Building	418-425 Central, SW	Albuquerque	5/13/82	
Menaul School Historic District	Roughly bounded by Broadway, Claremont, Edith, and Menaul Aves. And 301 Menaul Blvd., NE	Albuquerque	2/14/83	Albuquerque North Valley MRA

Milne, John, House  
Modern Auto Court  
Monte Vista and College View Historic District  
Monte Vista Fire Station  
Monte Vista School  
National Human Alliance Animal Foundation  
New Mexico Madonna of the Trail  
New Mexico - Arizona Wool Warehouse  
Newlander Apartments  
Nob Hill Business District  
Nordhaus, Robert, House  
O'Rielly, J.H., House  
Occidental Life Building  
Old Armijo School  
Old Hilton Hotel  
Old Post Office  
Our Lady of Mt. Carmel Church  
Our Lady of the Angels School  
Pacific Desk Building  
Pearce, John, House  
Petroglyph National Monument  
Piedras Marcadas Pueblo (LA 290)  
Pig 'n Calf Lunch  
President's House  
Pyle, Ernie, House  
Rancho de Carnue Site  
Raynolds, Sara, Hall  
Rio Puerco Bridge  
Romero, Felipe, House  
Roosevelt Park  
Rosenwalk Building  
Route 66, state maintained from Albuquerque to Rio Puerco  
Saint Joseph 1930 Hospital  
San Antonio Church and Cemetery  
San Felipe de Neri Church  
San Ignacio Church  
Santa Barbara School  
Scholes Hall  
Second United Presbyterian Church  
Shalit, Samuel, House  
Shoup Boardinghouse  
Silver Hill Historic District  
Simms Building  
Skinner Building  
Solar Building  
Southern Union Gas Company Building  
Southwestern Brewery and Ice Company  
Spitz, Berthold, House  
Springer Building  
Spruce Parker Historic District  
Superintendent's House, Atlantic & Pacific Railroad  
Tafoya, Domingo, House  
Tewa Lodge  
Tijeras Pueblo Archeological Site  
Tower Courts  
Vigil, Antonio, House  
Washington Apartments  
Werner-Gilchrist House  
West San Jose School  
Willis, J.R., House and La Miradora Apartments  
Zeiger, Charles, House

804 Park Ave., SW  
3712 Central Ave., SE  
Roughly bounded by Girard and Lomas Bvlds, Morningside Dr., Copper Ave., Campus and Monte Vista Bvlds  
3201 Central Ave., NE  
3211 Monte Vista Blvd., NE  
615 Virginia Ave., SE  
Jct. of Marble Ave. and 4th St.  
520 1st St., NW  
616 Coal Ave.  
3500 Central Ave., SE  
6900 Rio Grande Blvd., NW  
220 9th St., NW  
119 3rd Ave., SW  
1021 Isleta Blvd., SE  
125 2nd St., NE  
123 4th St.  
7813 Edith Blvd., NE  
320 Romero St., NW  
213-215 Gold Ave., SW  
718 Central Ave., SW  
6001 Unser Blvd., NW  
Address Restricted  
2106 Central Ave., SE  
NE corner of Roma Ave. and Yale Blvd., UNM  
900 Girard Blvd., SE  
Address Restricted  
UNM Campus on Terrace St. north of Central Ave.  
I-40 over Rio Puerco  
7522 Edith Blvd., NE  
Jct. of Coal and Spruce Aves., SE  
320 Central Ave., SW  
Rte. 66 West Central exit at I-40 to the Rio Buerco Bridge  
715 Grand, NE  
Jct. of NM 14 and NM 536 NW corner  
Old Town Plaza, NW  
1300 Walter St., NE  
1420 Edith Blvd. NE  
UNM campus S of Roma Ave.  
812 Edith Blvd., NE  
5209 4th St., NW  
707 1st St., SW  
Roughly bounded by Central Ave., Yale Blvd., Lead Ave., and Sycamore St.  
400 Gold Ave., SW  
722-724 Central Ave., and 108 8th St., SW  
213 Truman St., NE  
723 Silver Ave., SW  
601 Commercial St., NE  
323 N. 10th St.  
121 Tijeras Ave., NE  
Roughly bounded by University Blvd., Grand Ave., Las Lomas Rd. and Cedar St.  
1023 S. 2nd St.  
10021 Edith Blvd., NE  
5715 Central Ave., NE  
Address Restricted  
2210 Central Ave., SW  
413 Romero St.  
1002-1008 Central Ave., SW  
202 Cornell, SE  
1701 4th St., SW  
310 Rio Grande Blvd., SE  
3200 Edith Blvd., NE

Albuquerque 2/13/86  
Albuquerque 11/22/93 Route 66 through New Mexico MPS  
Albuquerque 8/3/01 Twentieth Century Suburban Growth of Albuquerque MPS  
Albuquerque 3/19/87  
Albuquerque 8/12/81  
Albuquerque 9/30/86  
Albuquerque 3/21/06 Route 66 through New Mexico MPS  
Albuquerque 7/23/81  
Albuquerque 1/27/00 Multi-unit Dwellings in Albuquerque, New Mexico MPS  
Albuquerque 3/18/94  
Albuquerque 2/9/84 Albuquerque North Valley MRA  
Albuquerque 1/29/79  
Albuquerque 1/30/78  
Albuquerque 9/16/82  
Albuquerque 3/2/84  
Albuquerque 11/17/80  
Albuquerque 2/9/84 Albuquerque North Valley MRA  
Albuquerque 11/29/84  
Albuquerque 9/30/80  
Albuquerque 11/22/80  
Albuquerque 6/27/90  
Albuquerque 3/2/90  
Albuquerque 2/15/94 Route 66 through New Mexico MPS  
Albuquerque 9/22/88 New Mexico Campus Building Built 1906-1937 TR  
Albuquerque 9/22/97  
Albuquerque 5/4/77  
Albuquerque 9/22/88 New Mexico Campus Building Built 1906-1937 TR  
Albuquerque 7/15/97 Historic Highway Bridges of New Mexico MPS  
Albuquerque 2/9/84 Albuquerque North Valley MRA  
Albuquerque 11/22/96 New Deal in New Mexico MPS  
Albuquerque 6/29/78  
Albuquerque 11/19/97 Route 66 through New Mexico MPS  
Albuquerque 5/27/82  
San Antonio 1/16/97 Religious Properties of New Mexico MPS  
Albuquerque 10/1/69  
Albuquerque 8/21/79  
Albuquerque 9/28/89  
Albuquerque 9/22/88 New Mexico Campus Building Built 1906-1937 TR  
Albuquerque 12/6/84  
Albuquerque 2/9/84 Albuquerque North Valley MRA  
Albuquerque 2/17/83  
Albuquerque 9/18/86  
Albuquerque 2/2/98  
Albuquerque 11/22/80  
Albuquerque 10/10/89  
Albuquerque 3/31/04 Buildings Designed by John Gaw Meen MPS  
Albuquerque 3/30/78  
Albuquerque 12/22/77 Albuquerque Downtown Neighborhoods MRA  
Albuquerque 11/18/80  
Albuquerque 7/6/82  
Albuquerque 1/20/78  
Alameda 11/17/80 Albuquerque North Valley MRA  
Albuquerque 6/11/98 Route 66 through New Mexico MPS  
Tijeras 11/17/05  
Albuquerque 11/22/93 Route 66 through New Mexico MPS  
Albuquerque 5/5/78  
Albuquerque 2/19/82  
Albuquerque 8/2/82  
Albuquerque 11/22/96 New Deal in New Mexico MPS  
Albuquerque 9/1/05 Multi-unit Dwellings in Albuquerque, New Mexico MPS  
Albuquerque 4/27/84 Albuquerque North Valley MRA