

**APPENDIX C**  
**Project Correspondence**



# ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

ROSE MOFFORD, GOVERNOR  
RANDOLPH WOOD, DIRECTOR

March 8, 1990



Mr. Terence R. Arundel, Airport Planner  
Carter Associates, Inc.  
5030 North 40th Street, Suite 300  
Phoenix, Arizona 85018

Dear Mr. Arundel:

This letter is in response to your March 6, 1990 request for an air quality impact review, of the following Community Development Block Grant Project:

## Chinle Airport

The planned project is located in an air quality attainment area, that is, an area which currently meets federal health standards for air pollution levels, including particulates.

We have reviewed the submitted proposal and no adverse air quality impact is anticipated as a result of the project. However, during construction, we would request that steps are taken to minimize the amount of particulate matter (dust) generated, including incidental emissions caused by strong winds, as well as tracking of dirt off the construction site by machinery and trucks. Applicable state regulations are contained in A.A.C. R9-3404. We recommend that the following preventive and mitigative measures are taken to minimize the possible particulate pollution problem:

### I. Site Preparation

- A. Minimize land disturbance
- B. Use watering trucks to minimize dust
- C. Cover trucks when hauling dirt
- D. Stabilize the surface of dirt piles if not removed immediately
- E. Use windbreaks to prevent any accidental dust pollution
- F. Limit vehicular paths and stabilize these temporary roads
- G. Grade to prevent soil from washing onto paved roadways.

*The Department of Environmental Quality is An Equal Opportunity Affirmative Action Employer.*

Mr. Arundel  
March 8, 1990  
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II. Construction

- A. Cover trucks when transferring materials
- B. Use dust suppressants on traveled paths which are not paved
- C. Minimize unnecessary vehicular and machinery activities
- D. Minimize dirt track-out by washing or cleaning trucks before leaving the construction site (alternative to this strategy is to pave a few hundred feet of the exit road, just before entering the public road).

III. Post Construction

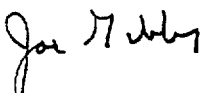
- A. Revegetate any disturbed land not used
- B. Remove unused material
- C. Remove dirt piles
- D. Revegetate all vehicular paths created during construction to avoid future off-road vehicular activities.

Applicable state rules are contained in A.A.C. R18-2-404, R18-2-405, R18-2-406, and R18-2-407. Enclosed please find a copy of these rules.

In addition, please be aware that portable sources of air pollution such as rock, sand, gravel, and asphaltic concrete plants are required to receive Installation and Operating permits from the Office of Air Quality in order to operate in the State.

Thank you for the opportunity to comment. Should you have any further questions, please contact this office at 257-6965.

Sincerely,



Joe Gibbs  
Office of Air Quality

JG/sds

Enclosure

and development concerning the effects of forest burn programs on air quality. Such report shall include, where applicable, innovations in the management of prescribed burning using meteorological data, as well as special burning methods, or innovative equipment. Alternatives to burning shall also be considered. Research as to cost effectiveness of the various methods should also be included.

**Historical Note**

Former Section R9-3-403 repealed, new Section R9-3-403 adopted eff. May 14, 1979 (Supp. 79-1). Former Section R9-3-403 renumbered without change as Section R18-2-403 (Supp. 87-3).

**R18-2-404. Open areas, dry washes or riverbeds**

A. No person shall cause, suffer, allow, or permit a building or its appurtenances, or a building or subdivision site, or a driveway, or a parking area, or a vacant lot or sales lot, or an urban or suburban open area to be constructed, used, altered, repaired, demolished, cleared, or leveled, or the earth to be moved or excavated, without taking reasonable precautions to limit excessive amounts of particulate matter from becoming airborne. Dust and other types of air contaminants shall be kept to a minimum by good modern practices such as using an approved dust suppressant or adhesive soil stabilizer, paving, covering, landscaping, continuous wetting, detouring, barring access, or other acceptable means.

B. No person shall cause, suffer, allow, or permit a vacant lot, or an urban or suburban open area, to be driven over or used by motor vehicles, trucks, cars, cycles, bikes, or buggies, or by animals such as horses, without taking reasonable precautions to limit excessive amounts of particulates from becoming airborne. Dust shall be kept to a minimum by using an approved dust suppressant, or adhesive soil stabilizer, or by paving, or by barring access to the property, or by other acceptable means.

C. No person shall operate a motor vehicle for recreational purposes in a dry wash, riverbed or open area in such a way as to cause or contribute to visible dust emissions which then cross property lines into a residential, recreational, institutional educational, retail sales, hotel or business premises. For purposes of this Subsection "motor vehicles" shall include, but not be limited to trucks, cars, cycles, bikes, buggies and three-wheelers. Any person who violates the provisions of this Subsection shall be subject to prosecution under A.R.S. § 36-1720.

**Historical Note**

Former Section R9-3-404 repealed, new Section R9-3-404 adopted eff. May 14, 1979 (Supp. 79-1). Amended by adding Subsection C. eff. Sept. 22, 1983 (Supp. 83-5). Former Section R9-3-404 renumbered without change as Section R18-2-404 (Supp. 87-3).

**R18-2-405. Roadways and streets**

A. No person shall cause, suffer, allow or permit the use, repair, construction or reconstruction of a roadway or alley without taking reasonable precautions to prevent excessive amounts of particulate matter from becoming airborne. Dust and other particulates shall be kept to a minimum by employing temporary paving, dust suppressants, wetting down detouring or by other reasonable means.

B. No person shall cause, suffer, allow or permit transportation of materials likely to give rise to airborne dust without taking reasonable precautions, such as wetting, applying dust suppressants, or covering the load, to prevent particulate matter from becoming airborne. Earth or other material that is deposited by trucking or earth moving equipment shall be removed from paved streets by the person responsible for such deposits.

**Historical Note**

Former R9-3-405, Other industries, renumbered R9-3-406, new Section adopted eff. Sept. 17, 1975 (Supp. 75-1). Former Section R9-3-405 repealed, new Section R9-3-405 adopted eff. May 14, 1979 (Supp. 79-1). Amended eff. Oct. 2, 1979 (Supp. 79-5). Former Section R9-3-405 renumbered without change as Section R18-2-405 (Supp. 87-3).

**R18-2-406. Material handling**

No person shall cause, suffer, allow or permit crushing, screening, handling, transporting or conveying of materials or other operations likely to result in significant amounts of airborne dust without taking reasonable precautions, such as the use of spray bars, wetting agents, dust suppressants, covering the load, and hoods to prevent excessive amounts of particulate matter from becoming airborne.

**Historical Note**

Former Section R9-3-405, renumbered eff. Sept. 17, 1975 (Supp. 75-1). Former Section R9-3-406 repealed, new Section R9-3-406 adopted eff. May 14, 1979 (Supp. 79-1). Former Section R9-3-406 renumbered without change as Section R18-2-406 (Supp. 87-3).

**R18-2-407. Storage piles**

A. No person shall cause, suffer, allow, or permit organic or inorganic dust producing material to be stacked, piled, or otherwise stored without taking reasonable precautions such as chemical stabilization, wetting, or covering to prevent excessive amounts of particulate matter from becoming airborne.

B. Stacking and reclaiming machinery utilized at storage piles shall be operated at all times with a minimum fall of material and in such manner, or with the use of spray bars and wetting agents, as to prevent excessive amounts of particulate matter from becoming airborne.

**Historical Note**

Adopted eff. May 14, 1979 (Supp. 79-1). Former Section R9-3-407 renumbered without change as Section R18-2-407 (Supp. 87-3).



# ARIZONA STATE PARKS

800 W. WASHINGTON  
SUITE 415  
PHOENIX, ARIZONA 85007  
TELEPHONE 602-542-4174

**ROSE MOFFORD**  
GOVERNOR

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**COURTLAND NELSON**  
DEPUTY DIRECTOR

March 28, 1990

Terence R. Arundel  
Airport Planner  
Carter Associates, Inc.  
5080 North 40th Street, Suite 300  
Phoenix, AZ 85018

RE: Chinle Airport, FAA and DOI-BIA/NAO

Dear Mr. Arundel:

Thank you for notifying us about the above project that will involve construction of a new airport in Chinle, preferably in the Nazlini Wash area. I have reviewed the submitted documentation and have the following comments pursuant to 36 CFR Part 800:

1. Because this project will occur on the Navajo Nation, it has to be approved by the Bureau of Indian Affairs, Navajo Area Office (BIA/NAO). For your information, effective March 19, 1990 the Navajo Nation enacted Public Law 638 and initial review and approval of BIA/NAO projects is now being handled by the Navajo Nation Historic Preservation Officer (NNHPO) who then consults with this office about archaeological projects on the Nation. Therefore, I recommend that you contact Dr. Alan Downer, NNHPO, P.O. Box 689, Window Rock, AZ 86515 regarding the above project and solicit his comments. His phone number is (602) 871-6438. If Dr. Downer is not available, may I suggest you contact the Deputy NNHPO, Alexa Roberts.

2. The Chinle area contains a variety of significant cultural resources, some of which may be in the project area. The NNHPO will be able to tell you if this area has already been surveyed. If it has not, I recommend that the area be surveyed by a qualified archaeologist to locate and evaluate any existing cultural remains.

3. When the survey is completed, a copy of the report should be sent to our office for review and comment. The NNHPO will send us a copy of this report because the BIA/NAO should be the lead Federal agency for this project.

Your continued cooperation with this office in complying with the historic preservation requirements for Federal projects is appreciated. If you have any questions, please contact me.

Sincerely,

Robert E. Gasser  
Compliance Coordinator

for Shereen Lerner, Ph.D.  
State Historic Preservation Officer

cc: Alan Downer, NNHPO



# THE NAVAJO NATION

Leonard Haskie  
Interim Chairman  
Navajo Tribal Council



Irving Billy  
Interim Vice Chairman  
Navajo Tribal Council

April 5, 1990



Mr. Terence R. Arundel  
Cater Associates, Inc.  
5080 North 40th Streets, Suite 300  
Phoenix, Arizona 85018

Re: Chinle Airport, Carter Job No. 138.8420900

Dear Mr. Arundel:

Pursuant to a Public Law 93-638 archeology services contract between the BIA Navajo Area Office and the Navajo Nation, we have reviewed your March 26, 1990 letter to the BIA concerning the proposed Chinle airport. Our only comment is that at the earliest date possible, an intensive cultural resources inventory of the proposed facility should be completed. Only then can the potential effects on cultural resources be evaluated.

If you have any questions, please contact me at (602) 871-6437.

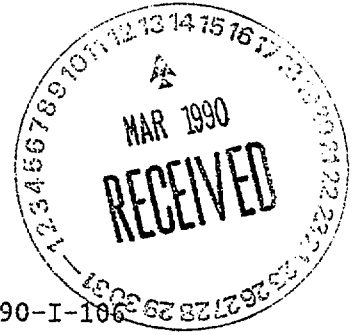
Sincerely,

A handwritten signature in cursive script, appearing to read "Alan Downer".

Alan Downer, HPO  
HISTORIC PRESERVATION DEPARTMENT  
P.O. Box 2898  
Window Rock, Arizona 86515



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE  
ECOLOGICAL SERVICES  
3616 W. Thomas, Suite 6  
Phoenix, Arizona 85019



2-21-90-I-106

March 12, 1990

Terence Arundel  
Carter Associates  
5080 N. 40th Street Suite 300  
Phoenix, Arizona 85018

Dear Mr. Arundel:

This responds to your request of March 6, 1990, for information on species listed or proposed to be listed as threatened or endangered that could be in the vicinity of the proposed new Chinle Airport in Apache County, Arizona.

Our data indicate no listed or proposed threatened or endangered species would likely be affected by the proposed action in the area of interest. We are not aware of any wetlands in the area that would likely be affected by the proposed action.

If we may be of further assistance, please contact Ms. Lesley Fitzpatrick or me (Telephone: 602/379-4720).

Sincerely,

Sam F. Spiller  
Field Supervisor

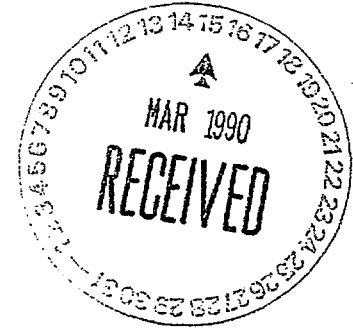
cc: Regional Office, Fish and Wildlife Service, Albuquerque, New Mexico  
(FWE/HC)



# Federal Emergency Management Agency

Region IX Building 105  
Presidio of San Francisco, California 94129

MAR 13 1990



Mr. Terence R. Arundel, Airport Planner  
Carter Associates, Inc.  
5080 North 40th Street, Suite 300  
Phoenix, Arizona 85018

Dear Mr. Arundel:

A review of the Navajo County, Arizona Flood Insurance Rate Map (FIRM), dated August 16, 1988, shows that the Navajo Indian Reservation was not studied or mapped by the Federal Emergency Management Agency (FEMA). Therefore, we cannot make a determination as to whether the site of the proposed airport is in a special flood hazard area or not.

We do recommend, however, that the Navajo Nation make every effort to determine the level of expected flooding in the area where the airport facility will be constructed, and take appropriate measures to insure that the building and contents are protected from flood damage.

Sincerely,

A handwritten signature in cursive script, which appears to read "N. B. Nikas", is written over the typed name.

Nicholas B. Nikas  
Division Chief  
Natural & Technological Hazards

cc: Terri Miller, ADWR





Governor  
Rose Mofford

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Phillip W. Ashcroft, Eagar  
Gordon K. Whiting, Klondyke  
Larry Taylor, Yuma  
Elizabeth T. Woodin, Tucson

## GAME & FISH DEPARTMENT

2221 West Greenway Road, Phoenix, Arizona 85023-4312 (602) 942-3000

Director  
Duane L. Shroufe

Deputy Director  
Thomas W. Spalding

August 13, 1990

Mr. Scott A. Wiegand  
Carter Associates, Inc.  
5080 N. 40th Street, Suite 300  
Phoenix, Arizona 85018

Dear Mr. Wiegand:

Re: Chinle Airport Master Plan

The Arizona Game and Fish Department received your fax transmittal dated August 8, 1990 requesting information on special status species in the vicinity of the Chinle Airport. We provide the following information.

Although our Department maintains a Nongame Database, we do not have current information regarding the Navajo Reservation. The Navajo, in cooperation with The Nature Conservancy, maintain their own special status species database. The Navajo Natural Heritage Program has the most current sensitive species information, for the Navajo Reservation.

Per our phone conversation of August 6, 1990, I understand that Carter Associates, Inc. has solicited information from the Navajo Natural Heritage Program. Since the Navajo Natural Heritage Program has the most current information for the Chinle area, and since our Department does not have current information for this area, our Department declines to comment on this Master Plan.

Thank you for the opportunity to comment on this Master Plan.

Sincerely,

Sherry L. Crouch  
Habitat Specialist  
Habitat Branch

SLC:sc





United States  
Department of  
Agriculture

Soil  
Conservation  
Service

201 East Indianola Ave.  
Suite 200  
Phoenix, Arizona 85012

August 8, 1990



Mr. Scott A. Wiegand  
Airport Planner  
Carter Associates Inc.  
5080 North 40th Street  
Suite 300  
Phoenix, Arizona 85018

Dear Mr. Wiegand:

Your request for comments regarding the potential impacts to farmland in the area of the proposed Chinle Airport facility, Apache County, Arizona, has been received and discussed by telephone with Scott Wiggins of your office.

The Nazlini Wash site, about 3 miles southwest of Chinle and 3.5 miles from the intersection of U. S. Highway 191 and Indian Routes 64 and 7, should not impact negatively on presently adjoining croplands.

Sincerely,

**ACTING FOR**

DONALD W. GOHMERT  
State Conservationist



The Soil Conservation Service  
is an agency of the  
Department of Agriculture

# THE NAVAJO NATURAL HERITAGE PROGRAM

P.O. BOX 1480  
WINDOW ROCK, ARIZONA 86515  
TELEPHONE: (602) 871-6535/6536

May 15, 1990

Mr. Terence R. Arundel  
Airport Planner  
Carter Associates, Inc.  
5080 North 40th Street, Suite 300  
Phoenix, AZ 85018



Dear Mr. Arundel;

A request for a list of endangered and threatened species for the Chinle area was made to our office on March 14, 1990. Our staff of biologists have reviewed the Chinle Airport project and below is a list of species of concern.

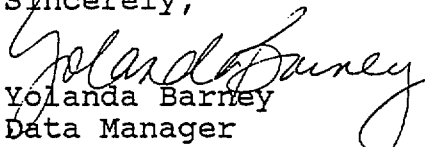
Falco peregrinus, peregrine falcon  
Buteo regalis, ferruginous hawk  
Dipodomys microps, chisel-toothed kangaroo rat

NOTE: Black-footed ferrets and burrowing owls should be considered if there are prairie dog town in the project vicinity.

This report contains both known and potential occurrences of species of concern in the vicinity of a given project. It is based on existing information known to the Heritage Program at the current time. It should not be regarded as a final statement on occurrences of species of concern nor should it substitute for onsite surveys for these species.

If there are any questions, please contact our office at (602) 871-6472 or -7059.

Sincerely,

  
Yolanda Barney  
Data Manager

