

Stribley, Sara

From: dfox1@ou.edu
Sent: Thursday, May 18, 2006 10:00 AM
To: Stribley, Sara
Subject: Re: RE: Data Request for the Keystone Pipeline Project Cushing Extension



e-mail_IR-1.doc (52 KB) Positive_request_fo Pipelines.doc (30 KB) rm.doc (26 ...

Sara,

I have attached 3 documents to this e-mail. One is a formal response to your request, another is a information sheet on the findings of the request, and last, there is a fact sheet provided by Okla. Dept. of Wildlife Conservation on pipeline projects. If you have any questions let me know.

Sincerely,

Douglas J. Fox
Oklahoma Biological Survey
University of Oklahoma
dfox1@ou.edu
I_na_dv.6379@yahoo.com
(405)325-7599

----- Original Message -----

From: "Stribley, Sara" <sstribley@ensr.aecom.com>
Date: Tuesday, May 16, 2006 3:24 pm
Subject: RE: Data Request for the Keystone Pipeline Project Cushing Extension

> Hi Doug,
> The TransCanada Keystone Pipeline Project is proposed to cross
> portionsof Kay, Noble, and Payne counties. I have attached
> shapefiles of the
> route in Oklahoma for your review, and also a copy of the request
> letterthat was supposed to have been sent to you. I'm not sure if I
> have a
> breakdown of the Township/Range of the project. I can send you
> 1:100:00maps if the shapefiles don't work! Thanks so much for your
> help, it is
> greatly appreciated!
> Sincerely,
> Sara

> Sara Stribley
> Staff Specialist
> ENSR Corporation
> 1601 Prospect Pkwy
> Fort Collins, CO 80525
> 970.493.8878 ext. 168
> sstribley@ensr.com

> -----Original Message-----

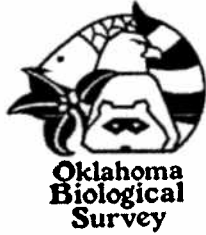
> **From:** dfox1@ou.edu [dfox1@ou.edu]
> **Sent:** Tuesday, May 16, 2006 1:24 PM
> **To:** Stribley, Sara
> **Subject:** Fwd: Data Request for the Keystone Pipeline Project Cushing
> Extension

> Sara -

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>
> I checked our files and did not see anything from ENSR pertaining to
> this project. Could you send me the Project name and Township and
> range information for the site and I can provide you with a formal
> response.
> Thanks,
>
> Douglas J. Fox
> Oklahoma Biological Survey
> University of Oklahoma
> dfoxl@ou.edu
> I_na_dv.6379@yahoo.com
> (405)325-7599
>

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*Oklahoma Biological Survey
111 E. Chesapeake Street
University of Oklahoma
Norman, Oklahoma 73019*

*Telephone (405) 325-1985
FAX (405) 325-7702*

Caryn C. Vaughn, Director

Sara Stribley
ENSR Corporation
1601 Prospect Pkwy
Fort Collins, CO 80525

OBS Ref: 2006-263-BUS-STR

May 18th, 2006

Re: 1,830 mi. crude oil pipeline, 10623-004

Dear Ms. Stribley,

Regarding your request for information on the presence of endangered species or other elements of biological significance at the referenced site(s), we have reviewed the information currently in the Oklahoma Natural Heritage Inventory database and have found 1 record(s) of elements of concern at the location(s) you describe. Please attached sheet for more information.

Please see attached sheets for more information in regards to your request.

Because the ONHI database is only as complete as the information that has been collected, we cannot say with certainty whether or not a given site harbors rare species or ecological communities. For this reason, if you are concerned about species of federal interest, we urge you to consult with the Tulsa office of the U.S. Fish and Wildlife Service (918.581.7458), as they may have additional information of which we are unaware.

The information we provide to you is a product of a cooperative agreement between the Oklahoma Biological Survey (OBS) and the Oklahoma Department of Wildlife Conservation (ODWC). For more information about the likely environmental impacts of your project on state endangered species, please contact Ferrella March at ODWC (405.521.4663). You may also find our web site helpful for expediting your information request. See <http://www.biosurvey.ou.edu/fastforward.html>.

Sincerely,

Douglas Fox
(for) Ian Butler
Biological Data Coordinator

Survey Programs:

**Bebb Herbarium • Oklahoma Fishery Research Laboratory • Oklahoma Natural Heritage Inventory
Sutton Avian Research Center • Natural Areas Registry**

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Oklahoma Natural Heritage Inventory

Tuesday, May 18, 2006

Site: 1,830 mi. crude oil line

Table of Proximal Element Occurrences for Request Number: 2006-263-BUS-STR

SEC	ORGTYP	LASTSEEN	SCIENTIFIC NAME	COMMON NAME	PRN	FED	STATE
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Townrange: 21N, 03E

17	REPTILES	1994	Phrynosoma cornutum	Texas Horned Lizard	M		CS SS2
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Townrange: 22N, 02E

12	BIRDS	2001	Haliaeetus leucocephalus	Bald Eagle	S	T	E
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Townrange: 23N, 02E

24	REPTILES	1996	Phrynosoma cornutum	Texas Horned Lizard	M		CS SS2
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Townrange: 25N, 02E

35	BIRDS	2001	Sterna antillarum	Least Tern	S	E	E
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OKLAHOMA DEPARTMENT OF WILDLIFE CONSERVATION FACT SHEET CONCERNING PIPELINES

The following recommendations are to help minimize the impact of **HIGH IMPACT** pipeline activities on local wildlife populations.

- Where feasible, stream crossings and disturbance to wetlands and stands of mature hardwood timber (>75 years old) should be avoided. These habitats tend to be limited in quantity, are valuable to wildlife and are difficult to replace/mitigate.
- Perennially flowing streams are uncommon and extremely valuable to wildlife in Oklahoma. Where stream crossings are unavoidable, we recommend that directional drilling be used to lay the pipeline below all perennial streams to minimize disturbance to the biological communities within these streams and their associated riparian habitats. General mitigative practices should be used at all stages of construction. Please refer to the attached copy of accepted practices for pipeline crossings.
- Where possible, previously modified areas such as crop fields, improved pastures or existing road, utility or pipeline right-of-ways should be used to minimize the impact of construction on relatively undisturbed habitat.
- Where vegetation is cleared to install pipe, we recommend that this clearing be kept to the minimum width necessary to provide a work space. The existing vegetation is important as it provides erosion control, filters storm water runoff and provides food and cover for wildlife. Following pipeline installation, all disturbed ground should be replanted to native vegetation. If revegetation is not feasible immediately after construction (e.g. during winter or summer), erosion control measures such as mulch, hay bales, silt fencing or erosion control fabric should be applied on all disturbed slopes until it is possible to replant these sites. Attached with this letter are our recommendations for the revegetation of right-of-ways appropriate for western Oklahoma. It is beneficial to use native plant species to minimize the impact of construction to local wildlife populations and to minimize the spread of non-native, weedy plant species into areas that are relatively undisturbed.

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LOW IMPACT projects associated with pipeline maintenance activities are listed below:

- Installation/replacement/abandonment of pipeline taps, meter station, dehydration units, field compressors, domestic well connects, meter runs and monitoring facilities on existing right-of-way outside playas, wetlands or other water bodies.
- Construction and/or maintenance projects within existing, previously disturbed and generally fenced plant yards (e.g. compressor stations, measuring and regulating station, gas processing plants).
- Removal and/or replacement of existing pipelines less than two miles in length within the boundaries of existing right-of-way.
- Installation of new pipelines less than one mile in length which do not require a crossing through a stream, playa, wetland or other water body.
- Above ground activities which require minimal ground disturbance including graveling and regarding access roads.
- Acquisition of existing facilities by lease or purchase.
- Use of existing access roads and ROW as access to construction and/or maintenance projects.

Stribley, Sara

From: Stribley, Sara
Sent: Tuesday, May 16, 2006 11:05 AM
To: 'fmarch@odwc.state.ok.us'
Subject: Data Request for the Keystone Pipeline Cushing Extension Project

Hi Ferrella,
ENSR sent a consultation letter to the Oklahoma Department of Wildlife Conservation back in February requesting information on sensitive species and habitats along the proposed Keystone Pipeline Project Cushing Extension. I'm trying to coordinate all of the information we have received back from agencies, and can't seem to find anything from the ODWC? Do you recall receiving this request letter, and could you possibly inform me if anything was sent back out to us? Any information you could provide would be greatly appreciated!

Sincerely,
Sara Stribley

Sara Stribley
Staff Specialist
ENSR Corporation
1601 Prospect Pkwy
Fort Collins, CO 80525
970.493.8878 ext. 168
sstribley@ensr.com

5/16/2006

Stribley, Sara

From: Stribley, Sara
Sent: Tuesday, May 16, 2006 10:58 AM
To: 'onhi@ou.edu'
Subject: Data Request for the Keystone Pipeline Project Cushing Extension

Hi Ian,

ENSR sent a consultation letter to the Oklahoma Natural Heritage Inventory back in February requesting information on sensitive species and habitats along the proposed Keystone Pipeline Project Cushing Extension. I'm trying to coordinate all of the information we have received back from agencies, and can't seem to find anything from the ONHI? Do you recall receiving this request letter, and could you possibly inform me if anything was sent back out to us? Any information you could provide would be greatly appreciated!

Sincerely,
Sara Stribley

Sara Stribley
Staff Specialist
ENSR Corporation
1601 Prospect Pkwy
Fort Collins, CO 80525
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sstribley@ensr.com

5/16/2006

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February 23, 2006

Ian Butler
Database Manager
Oklahoma Natural Heritage Inventory
Oklahoma Biological Survey
111 East Chesapeake Street
Norman, OK 73019-0575

ENSR
1601 Prospect Parkway
Fort Collins, CO 80525
tel 970.493.8878
fax 970.493.0213
email kcaddis@ensr.aecom.com
web www.transcanada.com

Dear Mr. Butler:

TransCanada is planning to construct and operate an approximately 1,830-mile-long interstate crude oil transmission system from an oil supply hub near Hardisty, Alberta, Canada to destinations in the Midwestern United States (U.S.). ENSR Corporation (ENSR) has been retained by TransCanada to prepare an Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA) for the proposed Keystone Pipeline Project (Project) within the U.S. In the U.S., the proposed Project would consist of approximately 1,070 miles of new pipeline constructed from the U.S.-Canada border in Pembina County, North Dakota to terminals and refineries in Salisbury (Chariton County), Missouri, Wood River (Madison County), and Patoka (Marion County), Illinois. Based on interest expressed by crude oil shippers, TransCanada is considering the construction of a 295-mile pipeline extension which would extend the Keystone Pipeline south from the Nebraska/Kansas border (Jefferson County) to Cushing, Oklahoma. The primary delivery point would be in the Cushing area, with potential connections to numerous refineries or pipelines in Kansas and North Texas as well as Oklahoma. TransCanada proposes to begin construction of the new pipeline in the spring of 2008, with the system in-service by the end of 2009.

The Project also will require the construction of pump stations, valves, meters, and other ancillary facilities. The hydraulic characteristics of the pipeline will determine pump station and valve locations. The Project will meet all federal, state and local regulatory requirements and will implement an Integrity Management Program to help ensure public safety and to protect the environment. Flow meters and delivery metering stations will measure the amount of product transported and delivered to terminals. Electrical powerlines and facility upgrades will be required in some locations to provide power for the new pump stations and motor operated valves (MOVs) located along the pipeline route. Local power providers will be responsible for obtaining the necessary approvals and authorizations for any such construction.

National Environmental Policy Act Process



Ian Butler
February 23, 2006
Page 2

The Department of State governs the issuance of Presidential Permits for crude oil pipelines across U.S. borders and will be the federal lead for the NEPA process. In evaluating the Presidential Permit application (including an EA), the Department of State will solicit the views of other federal agencies, including the Department of Interior. Based on public and agency input, the Department of State will review the EA to determine whether a Finding of No Significant Impact (FONSI) is appropriate or whether an Environmental Impact Statement must be prepared with respect to potential significant environmental impacts within the U.S. In addition to the NEPA process, the Department of State must comply with other requirements and regulations, including the Endangered Species Act.

Information Request

Enclosed is an overview map of the entire proposed route that traverses parts of North Dakota, South Dakota, Nebraska, Kansas, Missouri, Illinois and Oklahoma. In Oklahoma, the Project will cross portions of Kay, Noble, and Payne counties (see attached Overview Map and CD with the Electronic Centerline).

In order to address potential impacts to aquatic and terrestrial plant and animal species, we are requesting occurrence data for:

- Federally listed, proposed, and candidate species;
- Designated critical habitat of federally listed species;
- State listed or state sensitive species; and
- Unique ecosystems or sensitive communities.

Because of the mobility of wildlife species, ENSR requests sensitive wildlife information 5 miles beyond the Project boundary. We also request sensitive plant data 3 miles beyond the Project boundary. If applicable, please send electronic files for our environmental analysis to: kcaddis@ensr.aecom.com.

ENSR also is contacting the U.S. Fish and Wildlife Service and Oklahoma Department of Wildlife Conservation to request sensitive species information and to obtain input regarding the proposed Project route in Oklahoma. If you have any questions regarding this request, please call me at (970) 493-8878. You also may direct project-related questions to the



Ian Butler
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ENSR project manager, Scott Ellis, at the same number. Thank you in advance for your prompt response to this request.

Sincerely,

Karen Caddis

Karen Caddis
Senior Project Specialist/Coordinator

KC/

Ref: 10623-004

Enc. Overview Project Map
CD

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February 23, 2006

Ferrella March
Conservation Supervisor
Oklahoma Dept. of Wildlife Conservation
P.O. Box 53465
Oklahoma City, OK 73152-3465

ENSR
1601 Prospect Parkway
Fort Collins, CO 80525
tel 970.493.8878
fax 970.493.0213
email kcaddis@ensr.aecom.com
web www.transcanada.com

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National Environmental Policy Act Process



Ferrella March
February 23, 2006
Page 2

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On behalf of TransCanada, ENSR would like to provide an opportunity for Oklahoma Department of Wildlife Conservation (ODWC) biologists and botanists to identify prominent terrestrial and aquatic resource issues or concerns that may occur within or adjacent to the project area, focusing on species that are either sensitive (e.g., state-listed), have high economic value (e.g., big game, waterfowl), or are considered important by the state (e.g., raptors, bats). Please forward this request to the applicable specialists (e.g., fisheries and/or wildlife biologists, habitat biologists, botanists, etc.) so they may provide information and input. Resource information provided by the ODWC will be reflected in the environmental baseline description pertaining to the project. If applicable, please send electronic files for our environmental analysis to: kcaddis@ensr.aecom.com.

Where it appears that possible or probable concerns relative to sensitive species or habitats may occur, please indicate whether surveys might be required, as well as the preferred methodology and level of effort you would consider acceptable for the surveys.



Ferrella March
February 23, 2006
Page 3

ENSR also is contacting the U.S. Fish and Wildlife Service and State Natural Heritage Program to request sensitive species information and to obtain input regarding the proposed Project route in Oklahoma. If you have any questions regarding this request, please call me at (970) 493-8878. You also may direct project-related questions to the ENSR project manager, Scott Ellis, at the same number. Thank you in advance for your prompt response to this request.

Sincerely,

Karen Caddis

Karen Caddis
Senior Project Specialist/Coordinator

KC/

Ref: 10623-004

Enc. Overview Project Map
CD