



Project Review

DATE: March 14, 2013
TO: Kevin Hsueh, Nuclear Regulatory Commission
FROM: John Callen, NDNR
SUBJECT: Crow Butte Resource, Inc. License Amendment Application for the Marsland Expansion Area In-Situ Uranium Recovery Satellite Facility in Dawes County, Nebraska; NRC Docket 40-8943.

As requested, the Nebraska Department of Natural Resources (NDNR) has reviewed the proposed project for potential impacts to surface water rights, registered groundwater wells, and floodplain management, and has listed the comments below:

Surface Water Rights

According to NDNR records there are no appropriations appurtenant to the proposed project location.

Groundwater Resources

According to NDNR records, there are 21 registered wells within the proposed project area. Please find enclosed a figure depicting their registered location and name. Special care should be taken to locate and avoid impacting these wells in any significant way. In addition to registering the new wells proposed as part of this project with NDNR, if the status, use, or ownership of any other well changes due to the project, a water well registration modification form and/or a change of ownership form must be filed with the Department. Additionally, the appropriate Natural Resources District (NRD), which may have additional rules and regulations regarding such changes, should be notified. If you have any questions on groundwater well registration, please contact Pam Bonebright at 402.471.0572 or reference the groundwater links below.

If any groundwater is proposed to be used in the course of construction activities or transferred during regular operation of the facility, then a permit to transfer groundwater may be required from the Department and/or from the local Natural Resources District (NRD). Each entity should be contacted to discuss permitting requirements. If you have any questions on groundwater transfer permit requirements, please contact Tracy Zayac at 402.471.0584 or reference the groundwater links below.

Groundwater general information: <http://dnr.ne.gov/docs/groundwat.html>

Groundwater well data: <http://dnrdata.dnr.ne.gov/wellscs/Menu.aspx>

Groundwater forms: <http://dnr.ne.gov/docs/wellforms.html>

Local NRD Information: <http://nrnet.org/find-your-nrd.php>

Floodplain Management

A portion of the proposed project is located within the regulated (1% annual chance) floodplain and/or floodway, please see the attached figure. All development within a regulated floodplain and/or floodway needs to comply with local floodplain regulations, which includes obtaining a floodplain development permit. All new structures within the floodplain must be constructed with the lowest floor elevation at least one foot above the base flood elevation, or flood proofed to at least one foot above the base flood elevation (non-residential only). If you have any questions concerning floodplain management and permitting, please contact the local floodplain administrator, Roberta Coleman, at 308.432.0103 or dawescountyassessor@yahoo.com.

If you have any questions about this review, please feel free to contact me at 402.471.3957 or john.callen@nebraska.gov.

Enclosure (1)

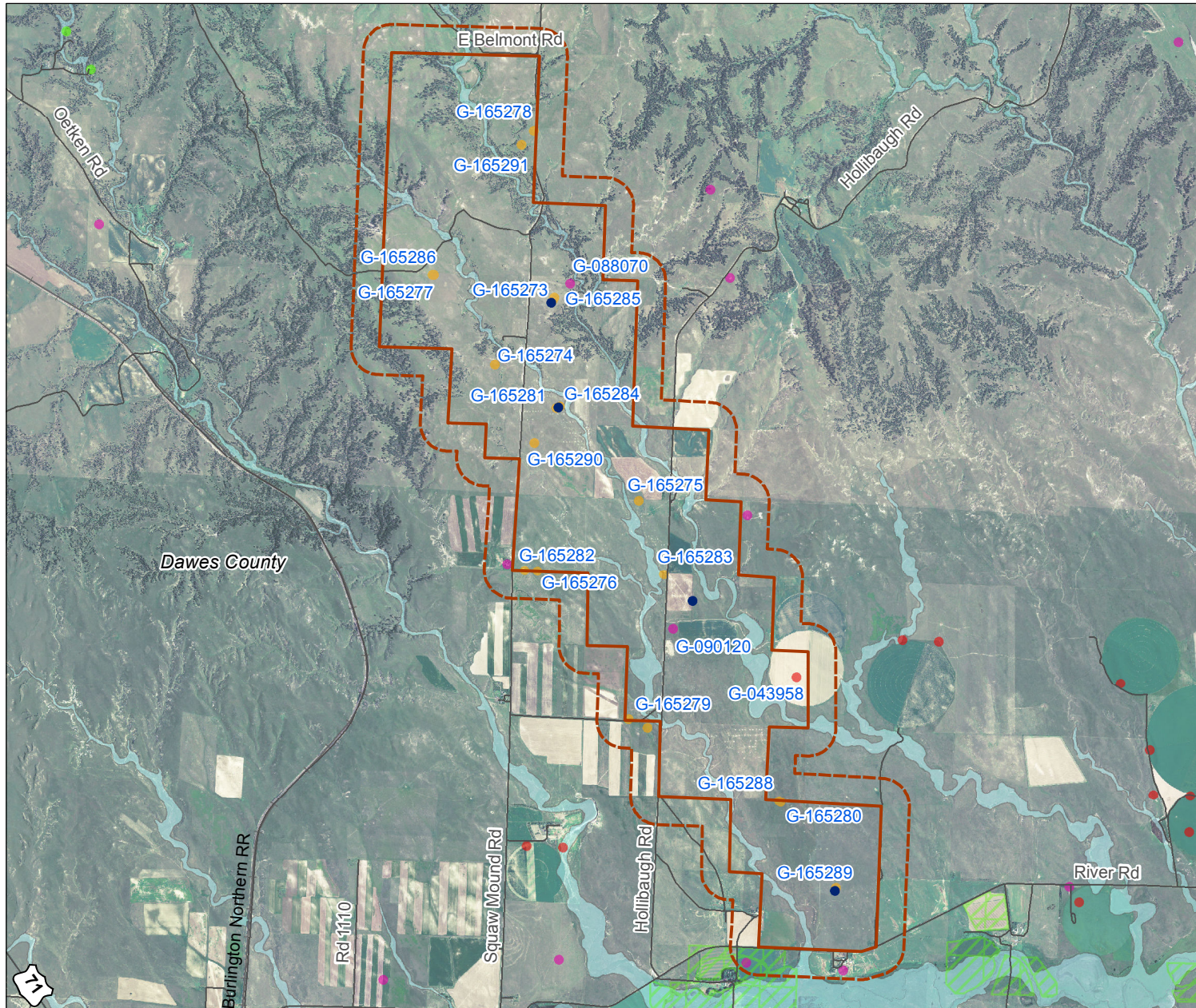
Cc: Pam Bonebright, NDNR
Tracy Zayac, NDNR
Tom Hayden, NDNR
Roberta Coleman, Dawes County

Marsland Expansion Area (Docket No 40-8943)

4.5 miles Northeast of Marsland

Dawes County, Nebraska

March 7, 2013



Registered Well

- Commercial
- Domestic
- Irrigation
- Public Water Supply (PWS)
- Stock Watering
- Unprotected PWS
- Other Wells
- Abandoned Wells

Surface Water

- ▨ Irrigation
- ▨ Supplemental Irrigation
- ▨ Domestic
- ▨ Other

Effective Flood Zone

- ▨ 1% Annual Flood Chance
- ▨ Floodway
- ▨ 0.2% Annual Flood Chance
- ▨ X Protected by Levee

Effective Flood Zone - Paper Map

- ▨ 1% Annual Flood Chance

Other

- ▨ Approximate Project Area
- ▨ 1,000 ft PWS Spacing
- ▨ Political Area
- Road
- Major Stream

