United States Nuclear Regulatory Commission

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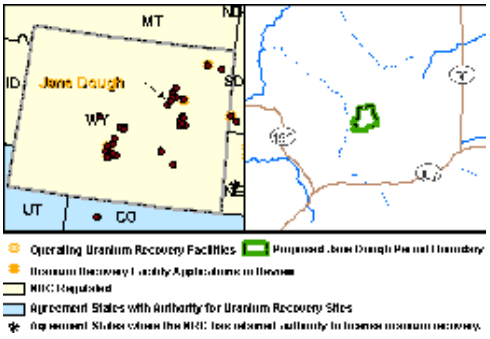
# Jane Dough




(View Larger Image) [/images/materials/uranium-recovery/license-apps/sitesummary-jane-dough-lrg.gif]

| | |
|---|---|
| **Who:** | Uranerz |
| **What:** | Application for a New In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html] Expansion |
| **When:** | May 14, 2014 (date of application submittal) |
| **Where:** | Campbell and Johnson Counties, Wyoming |
| **Docket:** | 40-9067 |

For additional detail, see the following related pages:

- Application Documents [/materials/uranium-recovery/license-apps/jane-dough/jane-dough-app-docs.html]
- Application Review Schedule [/materials/uranium-recovery/license-apps/jane-dough/jane-dough-schedule.html]
- Section 106 Consultation [/materials/uranium-recovery/license-apps/jane-dough/jane-dough-section-106.html]

| **Contacts for the Jane Dough Application** | |
|---|---|
| Environmental Review: | Ashley Waldron |
| Safety Review: | David Brown |
| Contact a Public Affairs Officer [/about-nrc/public-affairs/contact-opa.html] | |

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

| **Public Meetings** | |
|---|---|
| 03/08/2016 | Discuss proposed License Amendment for Nichols Ranch ISR Project to include the Jane Dough Unit<br>• Meeting Notice [/docs/ML1605/ML16054A370.pdf]<br>• Meeting Summary [/docs/ML1608/ML16089A351.pdf] |
| 12/09/2014 | Discuss proposed License Amendment for Nichols Ranch ISR Project to include the Jane Dough Unit<br>• Meeting Notice [/docs/ML1431/ML14317A343.pdf] |

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# Application Documents for Jane Dough

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

| Title | Document Date | Document Type | Author Affiliation |
|---|---|---|---|
| Revised Application [/docs/ML1511/ML15118A122.html] | 06-May-2015 | Revised License Amendment Request | Uranerz |
| Original Application [/docs/ML1416/ML14164A274.html] | 08-Sept-2014 | License Amendment Request | Uranerz |

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# Application Review Schedule for Jane Dough

The following table summarizes the key milestones in the schedule that the U.S. Nuclear Regulatory Commission (NRC) has established for its review of the application that Uranerz Energy Corporation submitted to obtain a license amendment for its Jane Dough In Situ Recovery expansion.

| Key Milestones | Completion Date<br>Actual – A<br>Target – T |
|---|---|
| Application Tendered | 05/14/14 – A |
| *Acceptance Review* | |
| Acceptance Review Start | 08/11/14 – A |
| Supplemental Application [/docs/ML1511/ML15118A122.html] received | 10/29/14 – A<br>04/13/15 – A<br>06/26/15 – A |
| Docketing Decision Issued/Acceptance Review Complete [/docs/ML1518/ML15189A458.pdf] | 08/10/15 – A |
| *Safety Review ** | |
| Requests for Additional Information (RAIs) [/docs/ML1601/ML16013A407.html] Issued to Applicant | 01/21/16 – A |
| RAI Acceptance Review [/docs/ML1623/ML16236A020.pdf] complete | 09/09/16 – A |
| Safety Evaluation Report (SER) [/docs/ML1632/ML16327A111.html] completed | 01/24/17 – A |
| *Environmental Review* | |
| RAIs Issued to Applicant | 01/21/16 - A |
| Draft Environmental Assessment (EA) Issued | 12/20/16 – A |
| Final EA issued | 03/23/17 – T |
| *License* | |
| License Amendment issued | 03/31/17 – T |

** Timeline does not include extended lead times for applicants to respond to RAIs or open issues.*

*Information on Federal Register notices for receipt of the application and opportunity to request a hearing or petition to intervene can be found on the Hearing Opportunities [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html] page.*

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# Uranerz Jane Dough Documents Pertaining to Section 106 of the National Historic Preservation Act and Solicitation of Public Comments

The U.S. Nuclear Regulatory Commission (NRC) has received an application from Uranerz Energy Corporation (Uranerz) to amend its NRC source materials license SUA-1597. This application requests authorization for Uranerz to construct and operate an in-situ uranium recovery (ISR) activities at the proposed Jane Dough unit in Campbell County and Johnson County, Wyoming. The NRC staff is conducting an environmental review in accordance with the Title 10 of the Code of Federal Regulations Part 51 (10 CFR Part 51), which implements the requirements of the National Environmental Policy Act of 1969, as amended (NEPA). The NRC staff is also conducting a Section 106 review in accordance with the National Historic Preservation Act of 1966, as amended (NHPA). NRC staff initiated its consultation under Section 106 for the proposed Jane Dough in December 2014. The staff is now providing documents for public consideration and comment consistent with 36 CFR § 800.4(d)(1).

The area of potential effect is defined as the site boundary of the proposed project which consists of 1,620 acres. The NRC staff consulted with interested Native American Tribes to identify historic properties, specifically ones of religious and cultural significance. The NRC staff also reviewed the information provided by Uranerz in its Jane Dough license amendment application. The NRC acknowledges that the Tribes possess special expertise in identifying properties of cultural and religious significance and assessing the significance of these properties to their individual Tribes. The NRC staff invited Tribes to participate in a site visit to gather information on historic properties. Based on the information found in the NRC staff's independent analysis, the NRC staff has preliminarily concluded that there are no sites or areas of historic, cultural, or religious significance to Tribes or other historic properties present in the area of potential effects of the proposed Jane Dough project site. Therefore, the NRC's Section 106 finding at this time is that no historic properties would be affected. The NRC staff has documented its preliminary determination, detailing the Section 106 activities and cultural resources findings, and has included that documentation in the cultural resources sections of the draft Environmental Assessment for the Jane Dough unit. A document containing those sections is available in the link below.

NRC documentation of its Section 106 review findings. (cultural resources sections of draft Environmental Assessment [/docs/ML1702/ML17025A243.pdf] )

NRC is soliciting comments from the public on the document provided above or on the information stated here. NRC staff will accept comments until Wednesday, February 27, 2017. Please submit your comments by emailing Ashley.Waldron@nrc.gov [mailto:Ashley.Waldron@nrc.gov] .

For additional information regarding the proposed action, Uranerz license application is publicly available from the NRC's Agency Wide Documents Access and Management System (ADAMS). Found under ML14164A274. Information about the proposed action, including links to Uranerz license amendment application can also be found in the project's web page [/materials/uranium-recovery/license-apps/jane-dough.html] .

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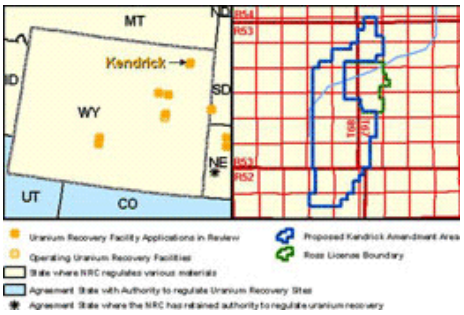
# Kendrick




(View Larger Image) [/images/materials/uranium-recovery/license-apps/sitesummary-kendrick-lrg.gif]

| | |
|---|---|
| **Who:** | Strata Energy, Inc. |
| **What:** | Application for an In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html] Expansion |
| **When:** | April 28, 2015 (publically available) |
| **Where:** | Crook County, Wyoming |
| **Docket:** | 40-9091 |

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

For additional detail, see the following related pages:

- Application Documents [/materials/uranium-recovery/license-apps/kendrick/kendrick-app-docs.html]
- Application Review Schedule [/materials/uranium-recovery/license-apps/kendrick/kendrick-schedule.html]
- FRN for Kendrick Amendment: Opportunity for Hearing, Petition for Leave to Intervene [https://www.gpo.gov/fdsys/pkg/FR-2016-02-29/pdf/2016-04337.pdf]
- Section 106 Consultation [/materials/uranium-recovery/license-apps/kendrick/kendrick-section-106.html]

| Contacts for the Kendrick Application | |
|---|---|
| Environmental Review | Jessie Muir-Quintero |
| Safety Review | John Saxton |
| Contact a Public Affairs Officer [/about-nrc/public-affairs/contact-opa.html] | |

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# Application Documents for Kendrick

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

| Title | Document Date | Document Type | Author Affiliation |
|---|---|---|---|
| Responses to Environmental RAIs [/docs/ML1622/ML16223A161.html] | 03–August -2016 | Supplemental Information | Strata Energy, Inc |
| Supplemental Information to application [/docs/ML1515/ML15152A154.html] | 24-April-2015 | Supplemental Information | Strata Energy, Inc |
| Original Application [/docs/ML1509/ML15096A141.html] | 20-March-2015 | License Amendment Request | Strata Energy, Inc |

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# Application Review Schedule for Kendrick

The following table summarizes the key milestones in the schedule that the U.S. Nuclear Regulatory Commission (NRC) has established for its review of the application that Strata Energy, Inc. submitted to obtain a license for its Kendrick In Situ Recovery expansion.

| Key Milestones | Completion Date Actual – A Target – T |
|---|---|
| Application Tendered | 04/28/15 – A |
| *Acceptance Review* | |
| *Acceptance Review Start* | 09/30/15 – A |
| *Docketing Decision Letter Issued/Acceptance Review Complete [/docs/ML1536/ML15362A613.pdf]* | 01/14/16 – A |
| *Safety Review ** | |
| *Requests for Additional Information (RAIs) Issued to Applicant* | 09/14/16 – A |
| *RAI Acceptance by NRC Staff* | See Note Below |
| *Final Safety Evaluation Report (SER) completed* | See Note Below |
| *Environmental Review* | |
| *RAIs Issued to Applicant [/docs/ML1613/ML16138A073.html]* | 05/27/16 – A |
| *Draft Environmental Impact Statement (EIS) Issued* | See Note Below |
| *Final EIS Issued* | See Note Below |
| *License Amendment issued* | See Note Below |

** Timeline does not include extended lead times for applicants to respond to RAIs or open issues.*

NOTE: Review suspended as of December 21, 2016, at the request of the applicant.

*Information on Federal Register notices for receipt of the application and opportunity to request a hearing or petition to intervene can be found on the Hearing Opportunities [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html] page.*

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# Section 106 Consultation for Kendrick

NRC received an application [/docs/ML1509/ML15096A141.html] from Strata to amend the source materials license for its Ross uranium recovery site [/info-finder/materials/uranium/licensed-facilities/ross.html] (SUA-1601) to include the Kendrick project area. The Ross and Kendrick sites are located in Crook County, Wyoming.

The NRC was performing a National Environmental Policy Act (NEPA) review and a National Historic Preservation Act (NHPA) Section 106 consultation. The NRC intended to fulfill its Section 106 consultation obligations through its NEPA process. On December 21, 2016, Strata requested the NRC suspend its review of the Kendrick license amendment request.

See the expandable table below for more information about what the NRC did for the Kendrick Section 106 consultation.

## *SECTION 106 CONSULTATION*

### *INITIATE consultation*

**[#PANEL0]**

**INITIATE —** *In this step of the 106 Process, the federal agency must establish the undertaking, notify the appropriate State Historic Preservation Officer (SHPO) and Tribal Historic Preservation Officers (THPO), identify tribes and other consulting parties, and involve the public.*

*The NRC initiated the Section 106 process in July 2015 by sending letters to 26 Tribes, the Advisory Council on Historic Preservation (ACHP) [/docs/ML1516/ML15161A402.pdf] , the Wyoming SHPO [/docs/ML1515/ML15154B180.pdf] , and the National Park Service – Devils Tower [/docs/ML1531/ML15317A290.html] formally inviting the parties to consult with the NRC. In those letters, the NRC provided basic information about the project and noted that it would be using the NEPA process to complete Section 106 consultation responsibilities.*

### *IDENTIFY properties*

**[#PANEL1]**

**IDENTIFY —** *In this step of the Section 106 process, the federal agency must determine the area of potential effect (APE), identify historic properties, consult with SHPO, THPOs, tribes, and other consulting parties, and involve the public.*

*The NRC initiated Step 2 of the Section 106 process by letter, dated December 31, 2015, which was sent to 26 Tribes, the ACHP [/docs/ML1533/ML15338A059.pdf] , the Wyoming SHPO [/docs/ML1533/ML15338A087.pdf] , BLM [/docs/ML1533/ML15338A069.pdf] , and the National Park Service – Devils Tower [/docs/ML1533/ML15338A083.pdf] . In the letter, the NRC delineated the direct and indirect areas of potential effect [/docs/ML1533/ML15338A090.pdf] (APEs) for the Kendrick project. The direct APE will include the entire Kendrick footprint (7,774 acres). The indirect APE would be a 3-mile radius around the Kendrick site boundary. The NRC requested the Wyoming SHPO concur on the APEs. In the letter, the NRC also shared a copy of Strata's Class III Survey Report and requested that the parties provide comments within 30 days of receiving the Report. The NRC received comments from the Wyoming SHPO [/docs/ML1607/ML16071A334.pdf] and BLM on the Class III Report.*

*The NRC submitted an Evaluation Plan [/docs/ML1612/ML16124A803.pdf] for 13 unevaluated sites within the Kendrick APE to the Wyoming SHPO for their 30-day review and concurrence on May 5, 2016. The Wyoming SHPO concurred [/docs/ML1630/ML16309A427.pdf] with the evaluation plan on May 26, 2016.*

*Based on responses received from previous NRC Section 106 communications, the NRC sent letters to 14 Tribes requesting input on seven sites identified in the Kendrick Class III Report, three of which the Wyoming SHPO agreed should remain "unevaluated" for listing on the National Register of Historic Places pending consultation with the Tribes. During the week of July 25, 2016 [/docs/ML1626/ML16266A004.pdf] , 10 tribes visited the Kendrick site to consult with the NRC on the eligibility of seven sites. Tribal representatives included Tribal Historic Preservation Officers (THPOs), elders, and archeological monitors. Based on information gathered during the site visit and consultation, the NRC developed preliminary determinations of eligibility for the seven sites. The NRC shared its preliminary determinations [/docs/ML1627/ML16270A352.html] with the consulting Tribes for their review and comment. The NRC received written responses from the Northern Arapaho and the Cheyenne River Sioux tribes.*

*On November 21, 2016, the NRC submitted its recommendation of eligibility [/docs/ML1630/ML16307A167.pdf] for 16 sites, based on further evaluative testing and/or tribal consultation, to the Wyoming SHPO for concurrence. On December 9, 2016, the Wyoming SHPO concurred [/docs/ML1634/ML16347A601.pdf] with the NRC's recommendations of eligibility. With the SHPO's concurrence letter, the identification step of the Section 106 consultation is complete.*

## *ASSESS impacts*

**[#PANEL2]**

**ASSESS —** *In this step of the 106 Process, the federal agency must apply criteria of adverse effect to identified properties, consult with the SHPO, THPOs, tribes, and other consulting parties, and continue to involve the public. If no historic or cultural properties are adversely affected, then the Section 106 process is complete.*

## *RESOLVE effects*

**[#PANEL3]**

**RESOLVE —** *In this step of the 106 Process, the federal agency must avoid, minimize, or mitigate adverse effects and notify the ACHP. The federal agency must continue to consult with the SHPO, THPOs, tribes, and other consulting parties and keep the public involved.*

## *COMMUNICATION*

**[#PANEL4]**

If you have any questions or comments about the Section 106 consultation for this project, please contact the environmental project manager, Jessie Muir Quintero by phone at 301.415.7476 or by email at Jessie.Muir-Quintero@nrc.gov [mailto:Jessie.Muir-Quintero@nrc.gov] .

*Page Last Reviewed/Updated Wednesday, December 02, 2020*

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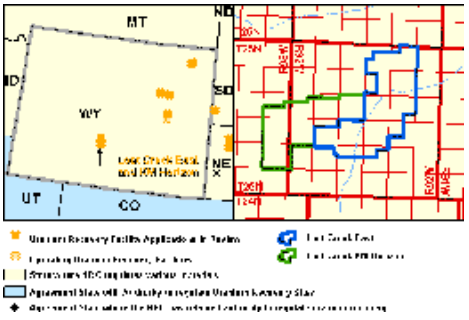
# LC East/KM Horizon




(View Larger Image) [/images/materials/uranium-recovery/license-apps/lostcreekeastandkm-lrg.gif]

| | |
|---|---|
| **Who:** | Lost Creek ISR LLC |
| **What:** | Application for an In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html] Expansion |
| **When:** | October 10, 2014 (publicly available) to March 13, 2017 |
| **Where:** | Sweetwater County, Wyoming |
| **Docket:** | 40-9068 |

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

For additional detail, see the following related pages:

- Application Documents [/materials/uranium-recovery/license-apps/lc-east-km-horizon/lc-east-km-horizon-app-docs.html]
- Application Review Schedule [/materials/uranium-recovery/license-apps/lc-east-km-horizon/lc-east-km-horizon-schedule.html]

| Contacts for the LC East/KM Horizon Application | |
|---|---|
| Environmental Review | Christine Pineda |
| Safety Review | John Saxton |
| Contact a Public Affairs Officer [/about-nrc/public-affairs/contact-opa.html] | |

| Public Meetings | |
|---|---|
| 07/19/2016 | Meeting with Lost Creek to discuss the Lost Creek ISR Lost Creek East Hydrologic Test Plan<br>• Meeting Notice [/docs/ML1619/ML16196A124.pdf]<br>• Meeting Summary [/docs/ML1622/ML16222A723.pdf] |

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# Application Documents for LC East/KM Horizon

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

| Title | Document Date | Document Type | Author Affiliation |
|---|---|---|---|
| Revised Application [/docs/ML1706/ML17069A296.html] Answers to clarification questions [/docs/ML1711/ML17115A215.html] | 29-March-2017 2-May-2017 | Revised License Amendment Request | Lost Creek ISR LLC |
| Revised Application [/docs/ML1605/ML16056A543.html] | 26-February-2016 | Revised License Amendment Request | Lost Creek ISR LLC |
| Revised Application [/docs/ML1504/ML15044A173.html] | 13-February-2015 | Revised License Amendment Request | Lost Creek ISR LLC |
| Original Application [/docs/ML1427/ML14279A431.html] | 30-September-2014 | License Amendment Request | Lost Creek ISR LLC |

*Page Last Reviewed/Updated Thursday, July 20, 2017*

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# Application Review Schedule for LC East/KM Horizon Amendment

The following table summarizes the key milestones in the schedule that the U.S. Nucl ear Regulatory Commission (NRC) has established for its review of the application that Lost Creek ISR LLC submitted to obtain a license for its LC East/KM Horizon In Situ Recovery expansion.

| Key Milestones | Completion Date Actual – A Target – T |
|---|---|
| Application [/docs/ML1427/ML14279A431.html] | 09/30/14 – A |
| *Acceptance Review* | |
| *NRC requests supplemental information* | 11/02/14 – A |
| *Licensee submits supplemental information [/docs/ML1504/ML15044A173.html] / Acceptance Review Start* | 02/23/15 – A |
| *Issue letter indicating deficiency in application [/docs/ML1509/ML15093A261.pdf]* | 04/15/15 – A |
| *Licensee resubmits application [/docs/ML1605/ML16056A543.html]* | 02/25/16 – A |
| *Docketing Decision Letter Issued/Acceptance Review Complete* | 05/18/16 – A |
| *Issue letter indicating deficiency in application [/docs/ML1610/ML16106A019.pdf]* | 05/18/16 – A |
| *Licensee submits revised application [/docs/ML1706/ML17069A296.html]* | 02/27/17 – A |
| *Complete Acceptance Review* | 05/02/17 – A |
| *Safety Review ** | |
| *Requests for Additional Information (RAIs) Issued to Applicant – Subject Areas: Water resources, Cumulative Impacts, Confinement, MILDOS, Background Radiological Characteristics [/docs/ML1719/ML17199F572.html]* | 07/27/17 – A |
| *Requests for Additional Information (RAIs) Issued to Applicant – Subject Areas: Site Characterization, Waste Disposal, Occupational and Radiological Impacts, Accidents [/docs/ML1722/ML17227A311.html]* | 08/28/17 – A |
| *Licensee Response to RAIs numbers 1-19 [/docs/ML1727/ML17275A674.pdf]* | 09/25/17 – A |
| *Requests for Additional Information (RAIs) Issued to Applicant – Subject Areas: Administrative, general [/docs/ML1729/ML17298B724.html]* | 10/30/17 – A |
| *Final SER [/docs/ML1811/ML18115A056.pdf]* | 08/07/18 – A |
| *Environmental Review ** | |
| *NRC letter to Bureau of Land Management (BLM) affirming the lead and cooperating agency designations for the environmental impact statement (EIS) and for the Section 106 process under the National Historic Preservation Act [/docs/ML1430/ML14303A508.pdf]* | 12/04/14 – A |

| | |
|---|---|
| *BLM's Federal Register notice of intent to prepare the EIS [https://www.gpo.gov/fdsys/pkg/FR-2015-09-14/pdf/2015-23059.pdf]* | 09/14/15 – A |
| *NRC's RAIs Issued to Applicant – see RAI schedule shown in Safety Review schedule, above* | see above |
| *BLM published Draft EIS [/docs/ML1825/ML18254A408.pdf]* | 08/31/18 – A |
| *BLM Publishes Final EIS* | 12/31/18 – T |

** Timeline based on 30-day response to RAIs issued on 7/31 & 9/5, and a 60-day response to RAIs issued 11/1. These RAIs will cover both safety and EIS topics. The NRC is a cooperating agency in the development of the EIS for this proposed amendment, and BLM is the lead agency.*

*Information on Federal Register notices for receipt of the application and opportunity to request a hearing or petition to intervene can be found on the Hearing Opportunities [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html] page.*

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# Lost Creek Site

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

**Sweetwater County, Wyoming**

**Docket Number:** 40-9068
**License:** SUA-1598 (Expires 8/31/2021)
**Licensee:** Lost Creek ISR, LLC

**Facility Type:** In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html]

**Pending Licensing Actions:** Lost Creek East/KM Horizon Expansion [/materials/uranium-recovery/license-apps/lc-east-km-horizon.html]

| Facility Performance Information | Contacts |
|---|---|
| • License Amendment 7 and SER [/docs/ML1814/ML18143B715.html]<br>• Original License [/docs/ML1119/ML111940049.pdf] and Safety Evaluation Report [/docs/ML1122/ML112231724.pdf] *<br>• Environmental Impact Statement [/reading-rm/doc-collections/nuregs/staff/sr1910/s3/] (NUREG-1910 Supp. 3)<br>• Enforcement Actions [/reading-rm/doc-collections/enforcement/actions/materials/m.html]<br>• Event Reports [/reading-rm/doc-collections/event-status/] ** | • Project Manager: John Saxton (301-415-0697)<br>• NRC Public Affairs Office in Region 4 [/about-nrc/public-affairs/contact-opa.html] |
| **News & Correspondence** | **Related Information** |

- Press Releases [/site-help/search.html?site=news#gsc.tab=0&gsc.q=Lost%20Creek&gsc.sort=]
- Public Meetings [/materials/uranium-recovery/public.html]
- Commission Documents [/reading-rm/doc-collections/commission/] **
- Generic Communications [/reading-rm/doc-collections/gen-comm/] **
- Correspondence [/reading-rm/adams.html]

- Nuclear Materials Quick Links [/materials/ql-materials.html]
- Other Nuclear Facilities in Wyoming [/info-finder/region-state/wyoming.html]
- Locations of Other Uranium Recovery Facilities [/info-finder/materials/uranium/index.html]
- Hearing Opportunities and License Applications [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html]
- NRC Emergency Preparedness and Response [/about-nrc/emerg-preparedness.html]
- FEMA's State Offices [http://www.fema.gov/states] and Agencies of Emergency Management [http://www.fema.gov/emergency-management-agencies]
- Agencywide Documents Access and Management System (ADAMS) [/reading-rm/adams.html] (for related documents)

| | |
|---|---|
| * | **Also see Oversight of Licensed Uranium Recovery Operations [/materials/uranium-recovery/inspections.html] .** |
| ** | **These pages have topic-specific search functions. Enter Lost Creek to search for related documents.** |
| *** | **To search for related correspondence in the NRC's Agencywide Documents Access and Management System (ADAMS), use the Advanced Search function and enter the licensee's name or docket number (above).** |

*Page Last Reviewed/Updated Thursday, March 25, 2021*

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# Application Documents for LC East/KM Horizon

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

| Title | Document Date | Document Type | Author Affiliation |
|---|---|---|---|
| Revised Application [/docs/ML1706/ML17069A296.html]<br>Answers to clarification questions [/docs/ML1711/ML17115A215.html] | 29-March-2017<br>2-May-2017 | Revised License Amendment Request | Lost Creek ISR LLC |
| Revised Application [/docs/ML1605/ML16056A543.html] | 26-February-2016 | Revised License Amendment Request | Lost Creek ISR LLC |
| Revised Application [/docs/ML1504/ML15044A173.html] | 13-February-2015 | Revised License Amendment Request | Lost Creek ISR LLC |
| Original Application [/docs/ML1427/ML14279A431.html] | 30-September-2014 | License Amendment Request | Lost Creek ISR LLC |

*Page Last Reviewed/Updated Thursday, July 20, 2017*

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# Application Review Schedule for LC East/KM Horizon Amendment

The following table summarizes the key milestones in the schedule that the U.S. Nucl ear Regulatory Commission (NRC) has established for its review of the application that Lost Creek ISR LLC submitted to obtain a license for its LC East/KM Horizon In Situ Recovery expansion.

| Key Milestones | Completion Date Actual – A Target – T |
|---|---|
| Application [/docs/ML1427/ML14279A431.html] | 09/30/14 – A |
| *Acceptance Review* | |
| *NRC requests supplemental information* | 11/02/14 – A |
| *Licensee submits supplemental information [/docs/ML1504/ML15044A173.html] / Acceptance Review Start* | 02/23/15 – A |
| *Issue letter indicating deficiency in application [/docs/ML1509/ML15093A261.pdf]* | 04/15/15 – A |
| *Licensee resubmits application [/docs/ML1605/ML16056A543.html]* | 02/25/16 – A |
| *Docketing Decision Letter Issued/Acceptance Review Complete* | 05/18/16 – A |
| *Issue letter indicating deficiency in application [/docs/ML1610/ML16106A019.pdf]* | 05/18/16 – A |
| *Licensee submits revised application [/docs/ML1706/ML17069A296.html]* | 02/27/17 – A |
| *Complete Acceptance Review* | 05/02/17 – A |
| *Safety Review ** | |
| *Requests for Additional Information (RAIs) Issued to Applicant – Subject Areas: Water resources, Cumulative Impacts, Confinement, MILDOS, Background Radiological Characteristics [/docs/ML1719/ML17199F572.html]* | 07/27/17 – A |
| *Requests for Additional Information (RAIs) Issued to Applicant – Subject Areas: Site Characterization, Waste Disposal, Occupational and Radiological Impacts, Accidents [/docs/ML1722/ML17227A311.html]* | 08/28/17 – A |
| *Licensee Response to RAIs numbers 1-19 [/docs/ML1727/ML17275A674.pdf]* | 09/25/17 – A |
| *Requests for Additional Information (RAIs) Issued to Applicant – Subject Areas: Administrative, general [/docs/ML1729/ML17298B724.html]* | 10/30/17 – A |
| *Final SER [/docs/ML1811/ML18115A056.pdf]* | 08/07/18 – A |

| *Environmental Review ** | |
|---|---|
| *NRC letter to Bureau of Land Management (BLM) affirming the lead and cooperating agency designations for the environmental impact statement (EIS) and for the Section 106 process under the National Historic Preservation Act [/docs/ML1430/ML14303A508.pdf]* | 12/04/14 – A |
| *BLM's Federal Register notice of intent to prepare the EIS [https://www.gpo.gov/fdsys/pkg/FR-2015-09-14/pdf/2015-23059.pdf]* | 09/14/15 – A |
| *NRC's RAIs Issued to Applicant – see RAI schedule shown in Safety Review schedule, above* | see above |
| *BLM published Draft EIS [/docs/ML1825/ML18254A408.pdf]* | 08/31/18 – A |
| *BLM Publishes Final EIS* | 12/31/18 – T |

** Timeline based on 30-day response to RAIs issued on 7/31 & 9/5, and a 60-day response to RAIs issued 11/1. These RAIs will cover both safety and EIS topics. The NRC is a cooperating agency in the development of the EIS for this proposed amendment, and BLM is the lead agency.*

*Information on Federal Register notices for receipt of the application and opportunity to request a hearing or petition to intervene can be found on the Hearing Opportunities [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html] page.*

*Page Last Reviewed/Updated Thursday, September 13, 2018*

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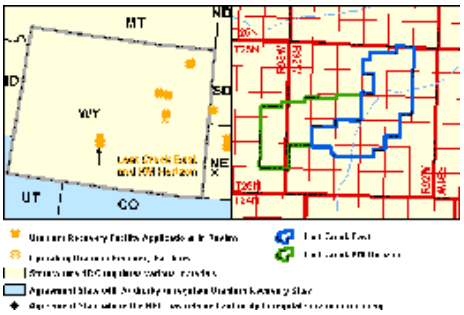
# LC East/KM Horizon




(View Larger Image) [/images/materials/uranium-recovery/license-apps/lostcreekeastandkm-lrg.gif]

| | |
|---|---|
| **Who:** | Lost Creek ISR LLC |
| **What:** | Application for an In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html] Expansion |
| **When:** | October 10, 2014 (publicly available) to March 13, 2017 |
| **Where:** | Sweetwater County, Wyoming |
| **Docket:** | 40-9068 |

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

For additional detail, see the following related pages:

- Application Documents [/materials/uranium-recovery/license-apps/lc-east-km-horizon/lc-east-km-horizon-app-docs.html]
- Application Review Schedule [/materials/uranium-recovery/license-apps/lc-east-km-horizon/lc-east-km-horizon-schedule.html]

| Contacts for the LC East/KM Horizon Application | |
|---|---|
| Environmental Review | Christine Pineda |
| Safety Review | John Saxton |
| Contact a Public Affairs Officer [/about-nrc/public-affairs/contact-opa.html] | |

| Public Meetings |
|---|

| | |
|---|---|
| 07/19/2016 | Meeting with Lost Creek to discuss the Lost Creek ISR Lost Creek East Hydrologic Test Plan<br><br>• Meeting Notice [/docs/ML1619/ML16196A124.pdf]<br>• Meeting Summary [/docs/ML1622/ML16222A723.pdf] |

*Page Last Reviewed/Updated Wednesday, December 02, 2020*

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# Moore Ranch Site

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**Campbell County, Wyoming**

(View Larger Image) [/info-finder/materials/uranium/licensed-facilities/moore-ranch/moore-ranch-large.jpg]

| | |
|---|---|
| **Docket Number:** | 40-9073 |
| **License:** | SUA-1596 (Expires September 28, 2020) |
| **Licensee:** | Uranium One Americas, Inc. |
| **Facility Type:** | In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html] Site Summary [/info-finder/materials/uranium/licensed-facilities/moore-ranch/is-moore-ranch.pdf] |
| **Pending Licensing Actions:** | None |
| | |

| Facility Performance Information | Contacts |
|---|---|
| • License and Safety Evaluation Report [/docs/ML1011/ML101180487.html] *<br>• Environmental Impact Statement [/reading-rm/doc-collections/nuregs/staff/sr1910/s1/] (NUREG-1910 Supp. 1)<br>• Enforcement Actions [/reading-rm/doc-collections/enforcement/actions/materials/m.html]<br>• Event Reports [/reading-rm/doc-collections/event-status/] ** | • Project Manager: Douglas Mandeville<br>• NRC Public Affairs Office in Region 4 [/about-nrc/public-affairs/contact-opa.html] |
| **News & Correspondence** | **Related Information** |

- Press Releases [/site-help/search.html?site=news#gsc.tab=0&gsc.q=Moore%20%20Ranch&gsc.sort=]
- Public Meetings [/materials/uranium-recovery/public.html]
- Commission Documents [/reading-rm/doc-collections/commission/] **
- Generic Communications [/reading-rm/doc-collections/gen-comm/] **
- Correspondence [/reading-rm/adams.html]

- Nuclear Materials Quick Links [/materials/ql-materials.html]
- Other Nuclear Facilities in Wyoming [/info-finder/region-state/wyoming.html]
- Locations of Other Uranium Recovery Facilities [/info-finder/materials/uranium/index.html]
- Hearing Opportunities and License Applications [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html]
- NRC Emergency Preparedness and Response [/about-nrc/emerg-preparedness.html]
- FEMA's State Offices [http://www.fema.gov/states] and Agencies of Emergency Management [http://www.fema.gov/emergency-management-agencies]
- Agencywide Documents Access and Management System (ADAMS) [/reading-rm/adams.html] (for related documents)

| | |
|---|---|
| * | **Also see Oversight of Licensed Uranium Recovery Operations [/materials/uranium-recovery/inspections.html] .** |
| ** | **These pages have topic-specific search functions. Enter Smith Ranch to search for related documents.** |
| *** | **To search for related correspondence in the NRC's Agencywide Documents Access and Management System (ADAMS), use the Advanced Search function and enter the licensee's name or docket number (above).** |

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# Nichols Ranch ISR Project

**Campbell and Johnson Counties, Wyoming**

**Docket Number:** 40-9067
**License:** SUA-1597
**Licensee:** Uranerz Energy Corporation
**Facility Type:** In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html]
Site Summary [/info-finder/materials/uranium/licensed-facilities/nichols-ranch/is-nichols-ranch.pdf]

**Pending Licensing Actions:** None

For additional detail, see the following related pages:

- Nichols Ranch Application Documents [/docs/ML0800/ML080080594.html]
- Nichols Ranch Application Review Schedule [/info-finder/materials/uranium/licensed-facilities/nichols-ranch/nichols-ranch-schedule.html]
- Jane Dough Application Documents [/materials/uranium-recovery/license-apps/jane-dough/jane-dough-app-docs.html]
- Jane Dough Application Review Schedule [/materials/uranium-recovery/license-apps/jane-dough/jane-dough-schedule.html]

| Facility Performance Information | Contacts |
|---|---|
| • Materials License SUA-1597, Amendment 5 [/docs/ML1703/ML17033A330.pdf]<br>• Jane Dough Expansion:<br>  • Safety Evaluation Report [/docs/ML1707/ML17074A503.pdf]<br>  • Environmental Assessment [/docs/ML1704/ML17047A666.pdf]<br>  • Finding of No Significant Impact [/docs/ML1706/ML17060A174.pdf]<br>• Original License Issued July 19, 2011 [/docs/ML1117/ML111751649.pdf]<br>• Original Safety Evaluation Report [/docs/ML1022/ML102240206.pdf]<br>• Original Supplemental Environmental Impact Statement [/docs/ML1034/ML103440120.pdf]<br>• Enforcement Actions [/reading-rm/doc-collections/enforcement/actions/materials/n.html]<br>• Event Reports [/reading-rm/doc-collections/event-status/]<br>• Inspection Reports [/info-finder/materials/uranium/licensed-facilities/nichols-ranch/inspection-reports.html] | • Project Manager: Ron Linton<br>• NRC Public Affairs Office in Region 4 [/about-nrc/public-affairs/contact-opa.html] |
| **News & Correspondence** | **Related Information** |

- Press Releases [/site-help/search.html?site=news#gsc.tab=0&gsc.q=Nichols%20Ranch&gsc.sort=]
- Public Meetings [/materials/uranium-recovery/public.html]
- Commission Documents [/reading-rm/doc-collections/commission/] **
- Generic Communications [/reading-rm/doc-collections/gen-comm/] **
- Correspondence [/reading-rm/adams.html] ***

- Nuclear Materials Quick Links [/materials/ql-materials.html]
- Other Nuclear Facilities in Wyoming [/info-finder/region-state/wyoming.html]
- Locations of Other Uranium Recovery Facilities [/info-finder/materials/uranium/index.html]
- Hearing Opportunities and License Applications [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html]
- NRC Emergency Preparedness and Response [/about-nrc/emerg-preparedness.html]
- FEMA's State Offices [http://www.fema.gov/states] and Agencies of Emergency Management [http://www.fema.gov/emergency-management-agencies]
- Agencywide Documents Access and Management System (ADAMS) [/reading-rm/adams.html] (for related documents)

| Semi-Annual Effluent and Environmental Monitoring Reports | |
|---|---|
| **ADAMS Accession Number** | **Semi-Annual Period** |
| ML16252A287 [/docs/ML1625/ML16252A287.pdf] | January – June 2016 |
| ML16091A186 [/docs/ML1609/ML16091A186.pdf] | July – December 2015 |
| ML15314A793 [/docs/ML1531/ML15314A793.pdf] | January – June 2015 |
| ML15076A032 [/docs/ML1507/ML15076A032.pdf] | July – December 2014 |
| ML14241A024 [/docs/ML1424/ML14241A024.pdf] | January – June 2014 |
| ML14051A560 [/docs/ML1405/ML14051A560.pdf] | July – December 2013 |

| | |
|---|---|
| * | **Also see Oversight of Licensed Uranium Recovery Operations [/materials/uranium-recovery/inspections.html] .** |
| ** | **These pages have topic-specific search functions. Enter Nichols Ranch to search for related documents.** |
| *** | **To search for related correspondence in the NRC's Agencywide Documents Access and Management System (ADAMS), use the Advanced Search function and enter the licensee's name or docket number (above).** |

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# Application Review Schedule for Nichols Ranch

The following table summarizes the key milestones in the schedule that the U.S. Nuclear Regulatory Commission (NRC) has established for its review of the application that Uranerz Energy submitted to obtain a license for its Nichols Ranch In Situ Recovery site.

| Key Milestones | Completion Date<br>Actual - A<br>Target - T |
|---|---|
| Application Tendered | 11/30/07 – A |
| *Acceptance Review* | |
| *Acceptance Review Start* | 1/31/08 – A |
| *Docketing Decision Letter Issued/Acceptance Review Complete* | 4/14/08 – A |
| *Safety Review ** | |
| *Requests for Additional Information (RAIs) Issued to Applicant* | 9/11/08 – A |
| *Final Safety Evaluation Report (SER) completed* | 7/19/11 – A |
| *Environmental Review* | |
| *RAIs Issued to Applicant* | 3/12/09 – A |
| *Draft SEIS issued to EPA* | 12/11/09 – A |
| *Public comment period* | 3/3/10 – A |
| *Final SEIS issued to EPA* | 1/21/11 – A |
| *License* | |
| *License issued* | 7/19/11 – A |

** Timeline does not include extended lead times for applicants to respond to RAIs or open issues.*

*Information on Federal Register notices for receipt of the application and opportunity to request a hearing or petition to intervene can be found on the Hearing Opportunities [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html] page.*

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# Reno Creek

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**Campbell Co., WY**

| | |
|---|---|
| **Docket Number:** | 40-9092 |
| **License:** | SUA-1602 (Expires: 2/28/2027) |
| **Licensee:** | AUC LLC |
| **Facility Type:** | In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html] Site Summary |
| | |
| Application Documents [/docs/ML1228/ML122890785.html] Application Review Schedule [/info-finder/materials/uranium/licensed-facilities/reno-creek/reno-creek-schedule.html] | |

| Facility Performance Information | Contacts |
|---|---|
| • License [/docs/ML1636/ML16364A219.pdf]<br>• Final Safety Evaluation Report [/docs/ML1636/ML16364A227.pdf]<br>• Record of Decision [/docs/ML1701/ML17011A195.pdf]<br>• Section 106 Programmatic Agreement<br>• Change of Control [/docs/ML1717/ML17178A046.html] | • Technical Project Manager: James Webb<br>• Environmental Project Manager: Jill Caverly<br>• NRC Public Affairs Office in Region 4 [/about-nrc/public-affairs/contact-opa.html] |
| **News & Correspondence** | **Related Information** |

| | |
|---|---|
| • Public Meetings for AUC LLC Reno Creek [/info-finder/materials/uranium/licensed-facilities/reno-creek/public-meetings.html]<br>• Press Releases [/site-help/search.html?site=news#gsc.tab=0&gsc.q=Reno%20Creek&gsc.sort=]<br>• Commission Documents [/reading-rm/doc-collections/commission/] **<br>• Generic Communications [/reading-rm/doc-collections/gen-comm/] **<br>• Correspondence [/reading-rm/adams.html] *** | • Nuclear Materials Quick Links [/materials/ql-materials.html]<br>• Other Nuclear Facilities in Wyoming [/info-finder/region-state/wyoming.html]<br>• Locations of Other Uranium Recovery Facilities [/info-finder/materials/uranium/index.html]<br>• Hearing Opportunities and License Applications [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html]<br>• NRC Emergency Preparedness and Response [/about-nrc/emerg-preparedness.html]<br>• FEMA's State Offices [http://www.fema.gov/states] and Agencies of Emergency Management [http://www.fema.gov/emergency-management-agencies]<br>• Agencywide Documents Access and Management System (ADAMS) [/reading-rm/adams.html] (for related documents) |

*** Also see Oversight of Licensed Uranium Recovery Operations [/materials/uranium-recovery/inspections.html] .**
**** These pages have topic-specific search functions. Enter Reno Creek to search for related documents.**
***** To search for related correspondence in the NRC's Agencywide Documents Access and Management System (ADAMS), use the Advanced Search function and enter the licensee's name or docket number (above).**

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# Application Review Schedule for Reno Creek

The following table summarizes the key milestones in the schedule that the U.S. Nuclear Regulatory Commission (NRC) has established for its review of the application that AUC, LLC submitted to obtain a license for its Reno Creek In Situ Recovery site.

| Key Milestones | Completion Date Actual - A Target - T |
|---|---|
| Application Tendered | 10/05/12 |
| *Acceptance Review* | |
| *Acceptance Review Start* | 03/18/13 - A |
| *Docketing Decision Issued/Acceptance Review Complete* | 06/18/13 - A |
| *Safety Review ** | |
| *Requests for Additional Information (RAIs [/docs/ML1336/ML13365A110.html] ) Issued to Applicant* | 02/10/14 - A |
| *Final Safety Evaluation Report (SER [/docs/ML1623/ML16237A141.html] ) completed* | 09/30/16 - A |
| *Environmental Review ** | |
| *RAIs [/docs/ML1336/ML13365A110.html] Issued* | 02/10/14 - A |
| *Draft SEIS [/docs/ML1618/ML16181A082.pdf] issued* | 06/30/16 - A |
| *Public comment period ends* | 09/06/16 - A |
| *Final SEIS [/docs/ML1634/ML16342A973.pdf] issued* | 12/16/16 - A |
| *License* | |
| *Licensing Action Completed - License [/docs/ML1636/ML16364A219.pdf] , Record of Decision [/docs/ML1701/ML17011A195.pdf] , and Final Revised SER [/docs/ML1636/ML16364A227.pdf] Issued* | 02/17/17 - A |

** Timeline does not include extended lead times for applicants to respond to RAIs or open issues.*

*Information on Federal Register notices for receipt of the application and opportunity to request a hearing or petition to intervene can be found on the Hearing Opportunities [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html] page.*

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# Public Meetings for AUC LLC Reno Creek

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

| Date | Description |
|---|---|
| 10/08/2015 | Public Meeting with AUC LLC to Discuss the Reno Creek ISR Project License Application<br>• Meeting Notice [/docs/ML1526/ML15260B309.pdf]<br>• Meeting Summary [/docs/ML1532/ML15323A358.pdf] |
| 03/31/2015 | NRC-AUC public meeting to address open issues on the AUC Reno Creek ISR project application for a source material license<br>• Meeting Notice [/docs/ML1508/ML15089A389.pdf]<br>• Meeting Summary [/docs/ML1511/ML15113B097.html] |
| 10/23/2014 | Public Meeting to address the Reno Creek ISR project application for a source material license and responses to requests for additional information<br>• Meeting Notice [/docs/ML1428/ML14281A800.pdf]<br>• Meeting Summary [/docs/ML1430/ML14309A251.html] |
| 10/08/2014 | Public Meeting to address the Reno Creek ISR project application for a source material license and responses to requests for additional information<br>• Meeting Notice [/docs/ML1426/ML14266A580.pdf]<br>• Meeting Summary [/docs/ML1430/ML14307A759.pdf] |
| 10/02/2014 | Public Meeting to address the Reno Creek ISR project application for a source material license and responses to requests for additional information<br>• Meeting Notice [/docs/ML1426/ML14261A341.pdf]<br>• Meeting Summary [/docs/ML1430/ML14309A127.pdf] |

TOP

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# Ross Site

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

**Crook County, Wyoming**

| | |
|---|---|
| **Docket Number:** | 40-9091 |
| **License:** | SUA-1601 (Expires: 4/30/2024) |
| **Licensee:** | Strata Energy, Inc. |
| **Facility Type:** | In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html] Site Summary [/info-finder/materials/uranium/licensed-facilities/ross/is-strata-ross.pdf] |
| **Pending Licensing Actions:** | |
| Kendrick Amendment Request [/materials/uranium-recovery/license-apps/kendrick.html] (suspended) | |
| Application Documents [/info-finder/materials/uranium/licensed-facilities/ross/ross-app-docs.html] Application Review Schedule [/info-finder/materials/uranium/licensed-facilities/ross/ross-schedule.html] [/info-finder/materials/uranium/licensed-facilities/ross/ross-app-docs.html] | |

| Facility Performance Information | Contacts |
|---|---|
| • Amendment 8 [/docs/ML1728/ML17284A160.pdf]<br>• Safety Evaluation Report [/docs/ML1728/ML17284A161.pdf]<br>• Final Supplemental Environmental Impact Statement with Errata [/docs/ML1405/ML14056A096.pdf] and Record of Decision [/docs/ML1407/ML14073A107.pdf]<br>• Section 106 Programmatic Agreement [/docs/ML1411/ML14111A346.html] | • Project Manager: Ron Burrows<br>• NRC Public Affairs Office in Region 4 [/about-nrc/public-affairs/contact-opa.html] |
| **News & Correspondence** | **Related Information** |

| | |
|---|---|
| • Public Meetings for Strata Energy Inc.'s Ross Site [/info-finder/materials/uranium/licensed-facilities/ross/public-meetings.html]<br>• Press Releases [/site-help/search.html?site=news#gsc.tab=0&gsc.q=Ross&gsc.sort=]<br>• Commission Documents [/reading-rm/doc-collections/commission/] **<br>• Generic Communications [/reading-rm/doc-collections/gen-comm/] **<br>• Correspondence [/reading-rm/adams.html] *** | • Nuclear Materials Quick Links [/materials/ql-materials.html]<br>• Other Nuclear Facilities in Wyoming [/info-finder/region-state/wyoming.html]<br>• Locations of Other Uranium Recovery Facilities [/info-finder/materials/uranium/index.html]<br>• Hearing Opportunities and License Applications [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html]<br>• NRC Emergency Preparedness and Response [/about-nrc/emerg-preparedness.html]<br>• FEMA's State Offices [http://www.fema.gov/states] and Agencies of Emergency Management [http://www.fema.gov/emergency-management-agencies]<br>• Agencywide Documents Access and Management System (ADAMS) [/reading-rm/adams.html] (for related documents) |
| *** Also see Oversight of Licensed Uranium Recovery Operations [/materials/uranium-recovery/inspections.html] .**<br>**** These pages have topic-specific search functions. Enter Strata Ross to search for related documents.**<br>***** To search for related correspondence in the NRC's Agencywide Documents Access and Management System (ADAMS), use the Advanced Search function and enter the licensee's name or docket number (above).** | |

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# Application Documents for Ross

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

| Title & Estimated Page Count | Document Date | Document Type | Author Affiliation | Addressee Affiliation | Docket Number |
|---|---|---|---|---|---|
| J. Saxton Ltr Re: Responses to the Request for Additional Information for the Ross ISR Project Technical Review [/docs/ML1210/ML121020347.pdf] | 6-Apr-2012 | Letter | Strata Energy, Inc | NRC/FSME/DWMEP* [#1] | 04009091 |
| Strata Ross RAI Responses Vol 1 and 2 to Appendix B [/docs/ML1210/ML121020357.pdf] | 6-Apr-2012 | Report, Technical | Strata Energy, Inc | NRC/FSME* [#1] | 04009091 |
| Ross TR RAI Response Vol 2 Appendix B thru Appendix C [/docs/ML1210/ML121020361.pdf] | 6-Apr-2012 | Report, Technical | Strata Energy, Inc | NRC/FSME* [#1] | 04009091 |
| J. Saxton Letter Re: Responses to the RAI for the Ross ISR Project Environmental Review [/docs/ML1210/ML121030406.pdf] | 30-Mar-2012 | Letter | Strata Energy, Inc | NRC/Document Control Desk NRC/FSME/DWMEP/DURLD/URB* [#1] | 04009091 |
| RAI Question and Answer Responses Environmental Report [/docs/ML1210/ML121030465.pdf] | 30-Mar-2012 | Environmental Report | Strata Energy, Inc | NRC/FSME* [#1] | 04009091 |
| Letter from Strata Energy Inc, Submitting Combined Source and 11e.(2) Byproduct Material License Application Requesting Authorization to Construct and Operate Proposed Ross In Situ Leach Uranium Recovery Project Site. 10 Page(s) [/docs/ML1101/ML110120055.pdf] | 4-Jan-2011 | Letter License-Application for (Amend/Renewal/New) for DKT 30, 40, 70 | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |

| | | | | | |
|---|---|---|---|---|---|
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report, Volume 6 of 6, Addendum 4.2-A, Figure 42 - Appendix A.<br>34 Page(s)<br>[/docs/ML1101/ML110130305.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report, Volume 6 of 6, Addendum 4.2-B, Addendum 6.4-A.<br>124 Page(s)<br>[/docs/ML1101/ML110130308.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report Volume 1 of 6, Sections 1.0 through 2.11, Section 2.9, Background Radiological Characteristics - End.<br>99 Page(s)<br>[/docs/ML1101/ML110130309.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report Volume 3 of 6, Sections Addenda 1.2-A through 2.7-C, Cover - Addendum 2.6-B.<br>212 Page(s)<br>[/docs/ML1101/ML110130311.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report Volume 3 of 6, Sections Addenda 1.2-A through 2.7-C, Addendum 2.6-C.<br>23 Page(s)<br>[/docs/ML1101/ML110130313.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report Volume 3 of 6, Sections Addenda 1.2-A through 2.7-C, Addendum 2.6-B (Continued).<br>137 Page(s)<br>[/docs/ML1101/ML110130314.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |

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| Ross ISR Project USNRC License Application - Strata Energy, Technical Report Volume 4 of 6, Sections Addenda 2.7-D through 2.7-H.<br>597 Page(s)<br>[/docs/ML1101/ML110130316.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report Volume 5 of 6, Sections Addenda 2.7-I through 2.9-B, Cover - Addendum 2.7-J through 2.9-A.<br>817 Page(s)<br>[/docs/ML1101/ML110130318.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report Volume 5 of 6, Sections Addenda 2.7-I through 2.9-B, Addendum 2.7-K.<br>232 Page(s)<br>[/docs/ML1101/ML110130319.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report Volume 5 of 6, Sections Addenda 2.7-I through 2.9-B, Addendum 2.9-B.<br>16 Page(s)<br>[/docs/ML1101/ML110130320.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report Volume 5 of 6, Sections Addenda 2.7-I through 2.9-B, Addendum 2.9-B (Continued).<br>37 Page(s)<br>[/docs/ML1101/ML110130322.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report Volume 6 of 6, Sections Addenda 2.9-C through 6.4-A, Cover - Addendum 3.1-A.<br>426 Page(s)<br>[/docs/ML1101/ML110130324.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |

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| Ross ISR Project USNRC License Application - Strata Energy, Technical Report, Volume 6 of 6, Addendum 4.2-A, Cover Page through Figure 6.<br>61 Page(s)<br>[/docs/ML1101/ML110130325.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report, Volume 6 of 6, Addendum 4.2-A, Figure 6 - Figure 13.<br>7 Page(s)<br>[/docs/ML1101/ML110130327.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report, Volume 6 of 6, Addendum 4.2-A, Figure 14 - Figure 23.<br>10 Page(s)<br>[/docs/ML1101/ML110130330.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report Volume 1 of 6, Sections 1.0 through 2.11, Cover Letter - Section 2.8.5 - Aquatic Resources.<br>334 Page(s)<br>[/docs/ML1101/ML110130333.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report Volume 2 of 6, Sections 3.0 through 11.0.<br>495 Page(s)<br>[/docs/ML1101/ML110130335.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Technical Report, Volume 6 of 6, Addendum 4.2-A, Figure 24 - Figure 41.<br>20 Page(s)<br>[/docs/ML1101/ML110130339.pdf] | 31-Dec-2010 | Report, Technical | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Environmental Report, Volume 1 of 3, Cover through Section 3.5, Ecological Resources.<br>419 Page(s)<br>[/docs/ML1101/ML110130342.pdf] | 31-Dec-2010 | Environmental Report | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |

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| Ross ISR Project USNRC License Application - Strata Energy, Environmental Report, Volume 2 of 3, Cover through Glossary.<br>513 Page(s)<br>[/docs/ML1101/ML110130344.pdf] | 31-Dec-2010 | Environmental Report | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Environmental Report, Volume 3 of 3, Cover through Addendum 3.3-F.<br>203 Page(s)<br>[/docs/ML1101/ML110130346.pdf] | 31-Dec-2010 | Environmental Report | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Environmental Report, Volume 3 of 3, Addendum 3.4-A - Addendum 3.4-B.<br>71 Page(s)<br>[/docs/ML1101/ML110130348.pdf] | 31-Dec-2010 | Environmental Report | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Ross ISR Project USNRC License Application - Strata Energy, Environmental Report, Volume 3 of 3, Addendum 3.5-A - Addendum 4.6-A.<br>286 Page(s)<br>[/docs/ML1101/ML110130351.pdf] | 31-Dec-2010 | Environmental Report | Strata Energy, Inc | NRC/FSME/DWMEP/DURLD* [#1] | 04009091 |
| Addendum Vol. 6.1-A Restoration Action Plan w/Financial Assurance Estimate for Strata Energy's Ross ISR Materials License Application.<br>91 Page(s<br>[/docs/ML1101/ML110190468.pdf] ) | 31-Dec-2010 | Task Action Plan | Strata Energy, Inc | NRC/FSME* [#1] | 04009091 |

*[*] The Office of Federal and State Materials and Environmental Management Programs (FSME) merged with Nuclear Material Safety and Safeguards (NMSS) on October 6, 2014.*

*Page Last Reviewed/Updated Wednesday, March 24, 2021*

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# Public Meetings for Strata Energy Inc.'s Ross Site

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| Date | Description |
|---|---|
| 10/20/2015 | Public Meeting to Discuss Strata Energy, Inc.'s Approach to Addressing License Conditions 12.7, 12.8, and 10.13<br>• Meeting Notice [/docs/ML1527/ML15275A211.pdf]<br>• Meeting Summary [/docs/ML1532/ML15324A286.pdf] |
| 10/13/2015 | Public Meeting to Discuss Pre-Operation Issues for Strata Ross ISR Project<br>• Meeting Notice [/docs/ML1527/ML15275A195.pdf]<br>• Meeting Summary: *No meeting held – no one called into bridgeline* |
| 09/29/2015 | Public Meeting to Discuss Staff's Critical Issues with Verification of Strata's Mine Unit 1 Wellfield Package<br>• Meeting Notice [/docs/ML1525/ML15258A297.pdf]<br>• Meeting Summary [/docs/ML1532/ML15323A073.pdf] |
| 08/10/2015 | Public Meeting to Discuss Staff's Critical Issues with Verification of Strata's Mine Unit 1 Wellfield Package<br>• Meeting Notice [/docs/ML1521/ML15211A448.pdf]<br>• Meeting Summary [/docs/ML1528/ML15281A292.pdf] |
| 05/15/2015 | Public Meeting to Comment on the Strata Energy Ross Site Annual Report on Implementation of the Programmatic Agreement for the Project for Cultural Resources Management<br>• Meeting Notice [/docs/ML1512/ML15120A082.pdf]<br>• Meeting Summary [/docs/ML1514/ML15141A495.pdf] |
| 02/03/2015 | Meeting between NRC and Strata to Discuss Update on Development of the Ross Project<br>• Meeting Notice [/docs/ML1435/ML14356A549.pdf] |
| 05/15/2014 | To discuss license conditions in License SUA-1601 with Strata Energy, Inc. (the licensee)<br>• Meeting Notice [/docs/ML1416/ML14160A080.pdf] |

TOP

*Page Last Reviewed/Updated Thursday, March 25, 2021*

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# Smith Ranch Site

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**Douglas, Wyoming (Converse County)**

**Docket Number:** 40-8964
**License:** SUA-1548 (Expires September 30, 2010)
**Licensee:** Power Resources, Inc.

**Facility Type:** In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html]
Site Summary [/info-finder/materials/uranium/licensed-facilities/is-smith-ranch.pdf]

**Pending Licensing Actions:** License Renewal [/materials/uranium-recovery/license-apps/smith-ranch.html]
**Application Received:** February 1, 2012
Application Documents [/materials/uranium-recovery/license-apps/smith-ranch/smith-ranch-app-docs.html]
Application Review Schedule [/materials/uranium-recovery/license-apps/smith-ranch/smith-ranch-app-review-schedule.html]

| Facility Performance Information | Contacts |
|---|---|
| • License – Amendment 24 [/docs/ML1534/ML15348A081.pdf]<br>• Inspection Report [/docs/ML1707/ML17079A564.pdf] *<br>• Enforcement Actions [/reading-rm/doc-collections/enforcement/actions/materials/s.html]<br>• Event Reports [/reading-rm/doc-collections/event-status/] **<br>• ISR Wellfield Ground Water Quality Data [/info-finder/materials/uranium/licensed-facilities/smith-ranch/isr-wellfield-ground-water-quality-data.html]<br>• ISR Wellfield Excursion Ground Water Quality Data [/info-finder/materials/uranium/licensed-facilities/smith-ranch/isr-wellfield-excursion-ground-water-quality-data.html] | • Project Manager (Technical Review): Douglas Mandeville<br>• NRC Public Affairs Office in Region 4 [/about-nrc/public-affairs/contact-opa.html] |
| **News & Correspondence** | **Related Information** |

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|---|---|
| • Press Releases [/site-help/search.html?site=news#gsc.tab=0&gsc.q=Smith%20Ranch&gsc.sort=]<br>• Public Meetings [/materials/uranium-recovery/public.html]<br>• Commission Documents [/reading-rm/doc-collections/commission/] **<br>• Generic Communications [/reading-rm/doc-collections/gen-comm/] **<br>• Correspondence [/reading-rm/adams.html] *** | • Nuclear Materials Quick Links [/materials/ql-materials.html]<br>• Other Nuclear Facilities in Wyoming [/info-finder/region-state/wyoming.html]<br>• Locations of Other Uranium Recovery Facilities [/info-finder/materials/uranium/index.html]<br>• Hearing Opportunities and License Applications [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html]<br>• NRC Emergency Preparedness and Response [/about-nrc/emerg-preparedness.html]<br>• FEMA's State Offices [http://www.fema.gov/states] and Agencies of Emergency Management [http://www.fema.gov/emergency-management-agencies]<br>• Agencywide Documents Access and Management System (ADAMS) [/reading-rm/adams.html] (for related documents) |
| *** Also see Oversight of Licensed Uranium Recovery Operations [/materials/uranium-recovery/inspections.html] .<br>** These pages have topic-specific search functions. Enter Smith Ranch to search for related documents.<br>*** To search for related correspondence in the NRC's Agencywide Documents Access and Management System<br>(ADAMS), use the Advanced Search function and enter the licensee's name or docket number (above).** | |

*Page Last Reviewed/Updated Wednesday, March 24, 2021*

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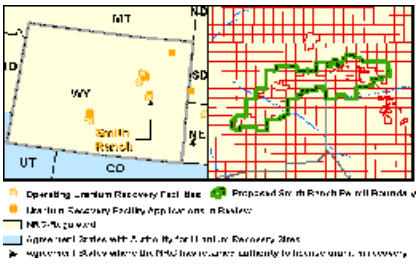
# Smith Ranch Highland




(View Larger Image) [/images/materials/uranium-recovery/license-apps/sitesummary_smithranch-lrg.gif]

| | |
|---|---|
| **Who:** | Power Resources Inc. |
| **What:** | Application for a Renewal at an In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html] Site |
| **When:** | February 1 , 2012 (date of application submittal) |
| **Where:** | Converse, Campbell, Johnson, Fremont, and Natrona Counties, WY |
| **Docket:** | 40-8964 |

For additional detail, see the following related pages:

- Application Documents [/materials/uranium-recovery/license-apps/smith-ranch/smith-ranch-app-docs.html]
- Application Review Schedule [/materials/uranium-recovery/license-apps/smith-ranch/smith-ranch-app-review-schedule.html]
- Section 106 [/materials/uranium-recovery/license-apps/smith-ranch/section106-smith-ranch.html]

| Contacts for the Smith Ranch Highland Application | |
|---|---|
| Environmental Review | James Park |
| Safety Review | Doug Mandeville |
| Contact a Public Affairs Officer [/about-nrc/public-affairs/contact-opa.html] | |

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| Public Meetings | |
|---|---|
| 04/06/2017 | Public Meeting with Cameco to discuss Request for Additional Information regarding the Smith Ranch License Renewal<br>• Meeting Notice [/docs/ML1708/ML17082A272.pdf]<br>• Meeting Summary [/docs/ML1710/ML17101A469.pdf] |

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| 09/14/2016 | Technical Meeting with Cameco Resources to discuss determination of stability of groundwater restoration efforts<br>• Meeting Notice [/docs/ML1623/ML16237A268.pdf]<br>• Meeting Summary [/docs/ML1627/ML16270A029.pdf] |
| 05/16/2013 | Meeting with Cameco Resources to discuss Request for Additional Information on License Renewal<br>• Meeting Notice [/docs/ML1311/ML13116A060.pdf] |
| 02/07/2013 | Meeting with Cameco Resources/Smith Ranch License Renewal<br>• Meeting Notice [/docs/ML1302/ML13024A066.pdf]<br>• Meeting Summary [/docs/ML1305/ML13053A516.pdf] |
| 9/05/2012 | Meeting with Cameco Resources/Smith Ranch License Renewal<br>• Meeting Notice [/docs/ML1216/ML12165A264.pdf]<br>• Meeting Summary [/docs/ML1225/ML12257A029.pdf] |
| 9/19/2011 - 9/20/2011 | Meeting with Power Resources Inc. to discuss pre-submission review of Smith Ranch License Renewal Application<br>• Meeting Notice [/docs/ML1122/ML112220137.pdf]<br>• Meeting Summary [/docs/ML1129/ML112980437.pdf] |
| 3/17/2011 | Meeting with Power Resources Inc. to discuss Smith Ranch License Renewal Application<br>• Meeting Notice [/docs/ML1106/ML110601046.pdf]<br>• Meeting Summary [/docs/ML1109/ML110950222.pdf] |

*Page Last Reviewed/Updated Wednesday, December 02, 2020*

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# Application Documents for Smith Ranch Highland

The following table lists the documents that the U.S. Nuclear Regulatory Commission (NRC) has received or issued in connection with the license renewal application for the Smith Ranch Highland In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html] site.

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

| Title & Estimated Page Count | Document Date | Document Type | Author Affiliation | Addressee Affiliation | Docket Number |
|---|---|---|---|---|---|
| Cameco Resources License Renewal Application Electronic Submittal. [/docs/ML1215/ML12159A397.pdf] (1 Page) | 5/10/2012 | Letter | Lidstone & Associates, Inc.; Cameco Resources | NRC/Document Control Desk NRC/FSME/OIS* [#1] | 04008964 |
| Cameco Resources, Correction to License Renewal Application Electronic Files and Technical Report List of Appendices. [/docs/ML1215/ML12159A398.pdf] (2 Pages) | 2/16/2012 | Letter | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, Request for License Renewal of NRC License SUA-1548; Submittal of License Renewal Application in Response to Acceptance Review Comments. [/docs/ML1215/ML12159A399.pdf] (16 Pages) | 2/1/2012 | Letter | Cameco Resources | NRC/FSME/DWMEP/DURLD* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Table of Contents - Chapter 10.0, Part 1 of 4. [/docs/ML1216/ML12163A067.pdf] (302 Pages) | 2/29/2012 | Drawing; Report, Technical | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, List of Tables - Table 10-5, Part 2 of 4. [/docs/ML1216/ML12163A068.pdf] (72 Pages) | 2/29/2012 | Drawing; Report, Technical | Cameco Resources | NRC/FSME* [#1] | 04008964 |

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| Cameco Resources, License Renewal Application, Technical Report, List of Figures, Part 3 of 4. [/docs/ML1216/ML12163A069.pdf] (2 Pages) | 2/29/2012 | Drawing; Report, Technical | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 1.1, "General SUA-1548 Location Map," Part 3 of 4-1. [/docs/ML1216/ML12163A063.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 1.2, "Location Map," Part 3 of 4-2. [/docs/ML1216/ML12163A065.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 1.3, "General Site Map," Part 3 of 4-3. [/docs/ML1216/ML12163A066.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 1.4, "East Area," Part 3 of 4-0. [/docs/ML1216/ML12163A070.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 1.5, "Central Area," Part 3 of 4-5. [/docs/ML1216/ML12163A071.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 1.6, "West Area," Part 3 of 4-6. [/docs/ML1216/ML12163A079.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 1.7, "South Area," Part 3 of 4-7. [/docs/ML1216/ML12163A080.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 1.8, "Southwest Area," Part 3 of 4-8. [/docs/ML1216/ML12163A081.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 1.9, "Reynolds Ranch Detailed Site Map," Part 3 of 4-9. [/docs/ML1216/ML12163A074.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 1.10, "General Site Map," Part 3 of 4-10. [/docs/ML1216/ML12163A073.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 1.11, "East Site Map," Part 3 of 4-11. [/docs/ML1216/ML12163A075.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |

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| Cameco Resources, License Renewal Application, Technical Report, Figure 1.12, "West Site Map," Part 3 of 4-12. [/docs/ML1216/ML12163A076.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 1.13, "Site Map," Part 3 of 4-13. [/docs/ML1216/ML12163A077.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 2.1, "Regional Coal, CBM, Oil and Gas," Part 3 of 4-14. [/docs/ML1216/ML12163A078.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 3.1, "Satellite Floor Plan," Part 3 of 4-15. [/docs/ML1216/ML12163A087.pdf] (1 Page) | 2/29/2012 | Drawing; Report, Technical | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 3.2, "Carol Shop Floor Plan," Part 3 of 4-16. [/docs/ML1216/ML12163A088.pdf] (1 Page) | 2/29/2012 | Drawing; Report, Technical | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 3.3, "Alternative Satellite Floor Plan," Part 3 of 4-17. [/docs/ML1216/ML12163A089.pdf] (1 Page) | 2/29/2012 | Drawing; Report, Technical | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 3.4, "Mine Unit Location Map," Part 3 of 4-18. [/docs/ML1216/ML12163A090.pdf] (1 Page) | 2/29/2012 | Report, Technical; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 3.5 "Mine Unit 1 Location Map" Part 3 of 4-19. [/docs/ML1216/ML12163A091.pdf] (1 Page) | 2/29/2012 | Drawing; Report, Technical | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report Figure 3.6, "Modeled Pattern Configurations", Part 3 of 4-20. [/docs/ML1216/ML12163A092.pdf] (1 Page) | 2/29/2012 | Drawing; Report, Technical | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report Figure 3.7, "Simulation Index Map", Part 3 of 4-21. [/docs/ML1216/ML12163A082.pdf] (1 Page) | 2/29/2012 | Drawing; Report, Technical | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report Figure 3.8, "Typical 5-Spot Pattern", Part 3 of 4-22. [/docs/ML1216/ML12163A083.pdf] (1 Page) | 2/29/2012 | Drawing; Report, Technical | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Technical Report, Figure 3.9, "Typical 7-Spot Pattern", Part 3 of 4-23. [/docs/ML1216/ML12163A084.pdf] (1 Page) | 2/29/2012 | Drawing; Report, Technical | Cameco Resources | NRC/FSME* [#1] | 04008964 |

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| Cameco Resources, License Renewal Application, Technical Report, Figure 3.10, "Line and Staggered Line Drive Patterns", Part 3 of 4-24. [/docs/ML1216/ML12163A085.pdf] (1 Page) | 2/29/2012 | Drawing; Report, Technical | Cameco Resources | NRC/FSME* [#1] | 04008964 |
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| Cameco Resources, License Renewal Application, Environmental Report, Appendices, "Map 2," Part 4 of 4 Appendix A Part C. [/docs/ML1216/ML12163A201.pdf] (1 Page) | 2/29/2012 | Drawing; Environmental Report; Map | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Environmental Report, Appendices B Through D, Part 4 of 4 Appendix BCD. [/docs/ML1216/ML12163A203.pdf] (79 Pages) | 2/29/2012 | Drawing; Environmental Report | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Environmental Report, Appendices E, Part 4 of 4, Appendix E Part A. [/docs/ML1216/ML12163A204.pdf] (68 Pages) | 2/29/2012 | Drawing; Environmental Report | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Environmental Report, Appendices, "Attachment B - Oil and Gas Well Information," Part 4 of 4, Appendix E Part B. [/docs/ML1216/ML12163A205.pdf] (62 Pages) | 2/29/2012 | Drawing; Environmental Report | Cameco Resources | NRC/FSME* [#1] | 04008964 |
| Cameco Resources, License Renewal Application, Environmental Report, Appendices, Part 4 of 4 App E Part C Appendix F. [/docs/ML1216/ML12163A215.pdf] (54 Pages) | 2/29/2012 | Drawing; Environmental Report | Cameco Resources | NRC/FSME* [#1] | 04008964 |

*[*] The Office of Federal and State Materials and Environmental Management Programs (FSME) merged with Nuclear Material Safety and Safeguards (NMSS) on October 6, 2014.*

*Page Last Reviewed/Updated Thursday, March 31, 2016*

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# Application Review Schedule for Smith Ranch Highland

The following table summarizes the key milestones in the schedule that the U.S. Nuclear Regulatory Commission (NRC) has established for its review of the application that Power Resources, Inc. submitted to renew its license for the Smith Ranch Highland In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html] site.

| Key Milestones | Completion Date Actual - A Target - T |
|---|---|
| Application Tendered | 02/1/2012 – A |
| *Acceptance Review* | |
| *Acceptance Review Start* | 02/9/2012 – A |
| *Docketing Decision Letter Issued/Acceptance Review Complete* | 07/5/2012 – A |
| *Safety Review ** | |
| *Requests for Additional Information (RAIs) Issued to Applicant* | 05/02/2013 – A |
| *RAI response [/docs/ML1606/ML16063A418.html] received from applicant* | 04/21/2015 – A |
| *2nd round of RAIs [/docs/ML1519/ML15190A391.pdf] issued to applicant* | 08/07/2015 – A |
| *Acceptance Review [/docs/ML1610/ML16109A207.pdf] of Round 1 of RAIs complete, RAIs not sufficient [/docs/ML1610/ML16109A027.pdf] for staff to be able to complete review* | 04/29/2016 – A |
| *Status letter issued to applicant [/docs/ML1703/ML17037D030.pdf]* | 04/14/2017 – A |
| *Schedule letter issued to applicant [/docs/ML1717/ML17174A904.pdf] identifying 1/19/18 as RAI response target date* | 11/07/2017 – A |
| *Receive complete RAI response from Applicant* | 01/19/2018 – T ** |
| *Partial RAI response received from applicant [/docs/ML1813/ML18130A032.html]* | 03/07/2018 – A |

| | |
|---|---|
| *Schedule letter issued to applicant [/docs/ML1808/ML18081A590.pdf]* | 05/31/2018 – A |
| *Safety Evaluation Report (SER) completed [/docs/ML1819/ML18193A540.pdf]* | 09/24/2018 – A |
| *Environmental Review ** | |
| *RAIs Issued* | 05/02/2013 – A |
| *Draft EA issued* | 08/08/2018 – A |
| *Final EA issued [/docs/ML1825/ML18257A071.pdf]* | 09/20/2018 – A |
| *License* | |
| *Licensing Action Completed – License [/docs/ML1822/ML18222A515.pdf] Issued* | 09/26/2018 – A |

** Timeline does not include extended lead times for applicants to respond to RAIs or open issues.*

*** NRC staff identified this as the latest date it could receive the the RAI responses from the licensee and be able to complete its review prior to the relinquishment of oversight of this facility to the State of Wyoming.*

*Information on Federal Register notices for receipt of the application and opportunity to request a hearing or petition to intervene can be found on the Hearing Opportunities [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html] page.*

*Page Last Reviewed/Updated Thursday, September 27, 2018*

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# Smith Ranch Documents Pertaining to Section 106 of the National Historic Preservation Act and Solicitation of Public Comments

The U.S. Nuclear Regulatory Commission (NRC) received an application from Power Resources (d/b/a Cameco Resources [Cameco]) dated February 1, 2012 (Agencywide Documents Access and Management System [ADAMS] Accession Number ML12159A399). By this application, Cameco requested renewal of NRC Source Material License SUA-1548 to authorize continued uranium in situ recovery at the Smith Ranch-Highland Uranium Project (the Project). The Project includes the Smith Ranch, Highland, and Reynolds Ranch sites in Converse County, the Gas Hills remote satellite site in Fremont and Natrona Counties, the North Butte remote satellite site in Campbell County, and the Ruth remote satellite site in Johnson County, Wyoming. The NRC staff is conducting an environmental review in accordance with the Title 10 of the Code of Federal Regulations Part 51 (10 CFR Part 51), which implements the requirements of the National Environmental Policy Act of 1969, as amended (NEPA). The NRC staff is also conducting a Section 106 review in accordance with the National Historic Preservation Act of 1966, as amended (NHPA). NRC staff initiated its consultation under Section 106 for the project in December 2012. The staff is now providing documents for public consideration and comment consistent with 36 CFR § 800.4(d)(1).

The direct area of potential effect (APE) consists of the areas where proposed ground disturbing activities could occur. The NRC staff consulted with interested Native American Tribes to identify historic properties, specifically ones of religious and cultural significance. The NRC staff also reviewed the information provided by Cameco in its license renewal application. The NRC acknowledges that the Tribes possess special expertise in identifying properties of cultural and religious significance and assessing the significance of these properties to their individual Tribes. Based on the information found in the NRC staff's independent analysis, the NRC staff has preliminarily concluded that there are no additional sites of historic, cultural, or religious significance present in the APE. However, the sites that had been previously identified as eligible for listing in the National Register of Historic Places would remain in License SUA-1548, which states, in part, that Cameco must propose mitigation measures prior to performing any work in the area of the eligible sites. The NRC staff has documented its preliminary determination, detailing the Section 106 activities and cultural resources findings, and has included that documentation in the cultural resources sections of the draft Environmental Assessment for the Smith Ranch project. A document containing those sections is available in the link below.

NRC documentation of its Section 106 review findings. (Cultural Resources sections of draft Environmental Assessment [/docs/ML1821/ML18213A257.pdf] )

NRC is soliciting comments from the public on the document provided above or on the information stated here. NRC staff will accept comments until Friday, September 7, 2018. Please submit your comments by email to James.Park@nrc.gov [mailto:James.Park@nrc.gov] .

*Page Last Reviewed/Updated Thursday, August 09, 2018*

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# ISR Wellfield Ground Water Quality Data

*The links below contain in-situ recovery (ISR) wellfield baseline and restoration ground water quality data collected from the NRC licensed ISR Smith Ranch site for regulatory purposes. Hard copies of this information are publicly available in ADAMS, ADAMS legacy or in State records, however, to improve public access to the data, standardized MS Excel spreadsheets are being made available. The spreadsheets listed below contain the ISR wellfield ground water quality data for Smith Ranch and Highlands Uranium Project mine units through January 2012 ( contact: ISRgroundwaterquality.Resource@nrc.gov [mailto:ISRgroundwaterquality.Resource@nrc.gov] ):*

Smith Ranch Mine Unit 1 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-1.xls]

Smith Ranch Mine Unit 2 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-2.xls]

Smith Ranch Mine Unit 3 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-3.xls]

Smith Ranch Mine Unit 4 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-4.xls]

Smith Ranch Mine Unit 4A [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-4a.xls]

Smith Ranch Mine Unit 9 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-9.xls]

Smith Ranch Mine Unit 15 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-15.xls]

Smith Ranch Mine Unit 15A [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-15a.xls]

Smith Ranch Unit K [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-k.xls]

Highlands Mine Unit A [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-a.xls]

Highlands Mine Unit B [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-b.xls]

Highlands Mine Unit C [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-c.xls]

Highlands Mine Unit D [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-d.xls]

Highlands Mine Unit D Extension [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-dext.xls]

Highlands Mine Unit E [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-e.xls]

Highlands Mine Unit F [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-f.xls]

Highlands Mine Unit H [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-h.xls]

Highlands Mine Unit I [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-i.xls]

Highlands Mine Unit J [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-j.xls]

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# Smith Ranch Resources - ISR Wellfield Excursion Ground Water Quality Data

*The links below contain in-situ recovery (ISR) wellfield excursion ground water quality data collected from the NRC licensed ISR Smith Ranch site for regulatory purposes. Hard copies of this information are publicly available in ADAMS, ADAMS legacy or in State records, however, to improve public access to the data, standardized MS Excel spreadsheets are being made available. The spreadsheets listed below contain the ISR wellfield excursion ground water quality data for Smith Ranch and Highlands Uranium Project mine units through January 2013 ( contact: ISRgroundwaterquality.Resource@nrc.gov* [mailto:ISRgroundwaterquality.Resource@nrc.gov] *):*

| Smith Ranch | Highlands |
|---|---|
| • Mine Unit 1: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu1-exc.xlsx]<br>• Mine Unit 2: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu2-exc.xlsx]<br>• Mine Unit 3: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu3-exc.xlsx]<br>• Mine Unit 4 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu4-exc.xlsx]<br>• Mine Unit 4A: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu4a-exc.xlsx]<br>• Mine Unit 9: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu9-exc.xlsx]<br>• Mine Unit 15: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu15-exc.xlsx]<br>• Mine Unit 15A: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu15a-exc.xlsx]<br>• Mine Unit K [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-muk-exc.xlsx] | • Mine Unit A [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mua-exc.xlsx]<br>• Mine Unit B [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mub-exc.xlsx]<br>• Mine Unit C [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-muc-exc.xlsx]<br>• Mine Unit D [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mud-exc.xlsx]<br>• Mine Unit D Extension: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mudext-exc.xlsx]<br>• Mine Unit E: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mue-exc.xlsx]<br>• Mine Unit F [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-muf-exc.xlsx]<br>• Mine Unit H [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-muh-exc.xlsx]<br>• Mine Unit I [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mui-exc.xlsx]<br>• Mine Unit J [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-muj-exc.xlsx] |

*Page Last Reviewed/Updated Wednesday, March 24, 2021*

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# Sweetwater Site

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

**Sweetwater County, Wyoming**

**Docket Number:** 40-8584
**License:** SUA-1350 (Expires November 10, 2014)
**Licensee:** Kennecott Uranium Company Sweetwater Project

**Facility Type:** Conventional Uranium Mill [/materials/uranium-recovery/extraction-methods/conventional-mills.html]
Site Summary [/info-finder/materials/uranium/licensed-facilities/is-sweetwater.pdf]

For additional details regarding the Kennecott Renewal Application History, see the following related pages:

- Kennecott Application Documents [/docs/ML1425/ML14251A113.html]
- Kennecott Application Review Schedule [/info-finder/materials/uranium/licensed-facilities/sweetwater/sweetwater-app-review-schedule.html]

**Pending Licensing Actions:** None

| Facility Performance Information | Contacts |
|---|---|
| • License Amendment 32 [/docs/ML1321/ML13217A065.pdf]<br>• Inspection Report [/docs/ML0924/ML092470618.pdf] *<br>• Enforcement Actions [/reading-rm/doc-collections/enforcement/actions/materials/s.html]<br>• Event Reports [/reading-rm/doc-collections/event-status/] * | • Project Manager (Technical Review): James Webb<br>• NRC Public Affairs Office in Region 4 [/about-nrc/public-affairs/contact-opa.html] |
| **News & Correspondence** | **Related Information** |

| | |
|---|---|
| • Press Releases [/site-help/search.html?site=news#gsc.tab=0&gsc.q=Sweetwater&gsc.sort=]<br>• Public Meetings [/materials/uranium-recovery/public.html]<br>• Commission Documents [/reading-rm/doc-collections/commission/] *<br>• Generic Communications [/reading-rm/doc-collections/gen-comm/] *<br>• Correspondence [/reading-rm/adams.html] *** | • Nuclear Materials Quick Links [/materials/ql-materials.html]<br>• Other Nuclear Facilities in Wyoming [/info-finder/region-state/wyoming.html]<br>• Locations of Other Uranium Recovery Facilities [/info-finder/materials/uranium/index.html]<br>• Hearing Opportunities and License Applications [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html]<br>• NRC Emergency Preparedness and Response [/about-nrc/emerg-preparedness.html]<br>• FEMA's State Offices [http://www.fema.gov/states] and Agencies of Emergency Management [http://www.fema.gov/emergency-management-agencies]<br>• Agencywide Documents Access and Management System (ADAMS) [/reading-rm/adams.html] (for related documents) |
| *** Also see Oversight of Licensed Uranium Recovery Operations [/materials/uranium-recovery/inspections.html] .**<br>***** To search for related correspondence in the NRC's Agencywide Documents Access and Management System**<br>**(ADAMS), use the Advanced Search function and enter the licensee's name or docket number (above).** | |

*Page Last Reviewed/Updated Wednesday, March 24, 2021*

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# Application Review Schedule for Sweetwater Uranium Mill

The following table summarizes the key milestones in the schedule that the U.S. Nuclear Regulatory Commission (NRC) has established for its review of the application that Kennecott Uranium Co. submitted to renew its license for the Sweetwater Uranium Mill Conventional Uranium Mill [/materials/uranium-recovery/extraction-methods/conventional-mills.html] site.

| Key Milestones | Completion Date Actual - A Target - T |
|---|---|
| Application Tendered (docketed date) [/docs/ML1425/ML14251A113.html] | 09/08/14 – A |
| *Acceptance Review* | |
| *Financial Re-baseline Acceptance Review Complete* | 09/16/14 – A |
| *Docketing Decision Letter Issued/Acceptance Review Complete for Technical Review [/docs/ML1431/ML14314B032.pdf]* | 11/25/14 – A |
| *Financial Review* | |
| *Requests for Additional Information (RAIs) on financial rebaseline portion of application [/docs/ML1433/ML14336A144.pdf]* | 12/01/14 – A |
| *Publish FRN - notice of Opportunity for hearing* | 01/30/15 – A |
| *Financial 5 year Rebaseline Amendment [/docs/ML1500/ML15008A153.pdf] Issued* | 02/02/15 – A |
| *Safety Review ** | |
| *Round 1 of RAIs Issued for Technical/Environmental Review [/docs/ML1516/ML15167A373.html]* | 07/13/15 – A |
| *Second Round of RAIs issued to licensee [/docs/ML1602/ML16028A179.pdf]* | 02/12/16 – A |
| *Draft License Conditions Issued* | 08/25/16 – A |
| *RAI responses received with change of design [/docs/ML1529/ML15293A244.html]* | 10/12/16 – A |
| *Third round of RAIs issued to the licensee [/docs/ML1701/ML17019A128.pdf]* | 06/16/17 – A |
| *Final Safety Evaluation Report (SER) completed [/docs/ML1805/ML18051A450.pdf]* | 02/28/18 – A |
| *Environmental Review* | |

| | |
|---|---|
| *Draft Environmental Assessment (EA) Issued* | 03/26/18 – A |
| *Final EA Issued [/docs/ML1813/ML18135A206.pdf]* | 06/04/18 – A |
| *Record of Decision* | |
| *License Amendment [/docs/ML1810/ML18102B183.html] issued* | 07/05/18 – A |

** Timeline does not include extended lead times for applicants to respond to RAIs or open issues.*

*Information on Federal Register notices for receipt of the application and opportunity to request a hearing or petition to intervene can be found on the Hearing Opportunities [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html] page.*

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# Willow Creek Project

(Formally known as the Irigaray and Christensen Ranch Project)

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

**Johnson & Campbell Counties, Wyoming**

**Docket Number:** 040-08502
**License:** SUA-1341 (Expires March 7, 2023)
**Licensee:** Uranium One, U.S.A., Inc.

**Facility Type:** In Situ Recovery (ISR) [/materials/uranium-recovery/extraction-methods/isl-recovery-facilities.html]
Site Summary [/info-finder/materials/uranium/licensed-facilities/is-christensen-ranch.pdf]

For additional details regarding the Ludeman Expansion Application History, see the following related pages:

- Ludeman Application Documents [/info-finder/materials/uranium/licensed-facilities/ludeman/ludeman-app-docs.html]
- Ludeman Application Review Schedule [/info-finder/materials/uranium/licensed-facilities/ludeman/ludeman-schedule.html]
- Ludeman Section 106 consultation [/info-finder/materials/uranium/licensed-facilities/ludeman/section106-ludeman.html]

**Pending Licensing Actions:** None

| Facility Performance Information |
|---|
| • Source Materials License SUA-1341 - Amendment No. 6 [/docs/ML1808/ML18081A229.pdf]<br>• Safety Evaluation Report [/docs/ML1808/ML18081A228.pdf]<br>• Supplemental Environmental Assessment [/docs/ML1818/ML18183A225.pdf]<br>• Inspection Report [/docs/ML0931/ML093100142.pdf]<br>• Enforcement Actions [/reading-rm/doc-collections/enforcement/actions/materials/c.html]<br>• Event Reports [/reading-rm/doc-collections/event-status/] **<br>• ISR Wellfield Ground Water Quality Data [/info-finder/materials/uranium/licensed-facilities/willow-creek/isr-wellfield-ground-water-quality-data.html]<br>• ISR Wellfield Excursion Ground Water Quality Data [/info-finder/materials/uranium/licensed-facilities/willow-creek/isr-wellfield-excursion-ground-water-quality-data.html]<br>• Inspection Reports [/info-finder/materials/uranium/licensed-facilities/willow-creek/inspection-reports.html] |
| **News & Correspondence** |

- Press Releases [/site-help/search.html?site=news#gsc.tab=0&gsc.q=%22Willow%20Creek%22%20OR%20%22Christensen%20Ranch%22&gsc.sort=]
- Public Meetings [/materials/uranium-recovery/public.html]
- Commission Documents [/reading-rm/doc-collections/commission/] **
- Generic Communications [/reading-rm/doc-collections/gen-comm/] **
- Correspondence [/reading-rm/adams.html] ***

| Monitoring Reports | |
|---|---|
| **Document** | |
| ML082520208 [/docs/ML0825/ML082520208.pdf] | |
| ML010590169 [/docs/ML0105/ML010590169.pdf] | |
| ML020600251 [/docs/ML0206/ML020600251.pdf] | |
| ML030800613 [/docs/ML0308/ML030800613.pdf] | and ML030800614 [/docs/ML0308/ML030800614.pdf] |
| ML040710540 [/docs/ML0407/ML040710540.pdf] | |
| ML050630077 [/docs/ML0506/ML050630077.pdf] | |
| ML060600505 [/docs/ML0606/ML060600505.pdf] | |
| ML070650279 [/docs/ML0706/ML070650279.pdf] | |
| ML080730125 [/docs/ML0807/ML080730125.pdf] | |
| ML080730124 [/docs/ML0807/ML080730124.pdf] | |
| ML090910574 [/docs/ML0909/ML090910574.pdf] | |
| ML102020132 [/docs/ML1020/ML102020132.pdf] | |
| ML110900244 [/docs/ML1109/ML110900244.pdf] | |
| ML12115A193 [/docs/ML1211/ML12115A193.pdf] | |
| ML12293A008 [/docs/ML1229/ML12293A008.pdf] | |
| ML13063A102 [/docs/ML1306/ML13063A102.pdf] | |
| ML13246A011 [/docs/ML1324/ML13246A011.pdf] | |
| ML14069A008 [/docs/ML1406/ML14069A008.pdf] | and ML14251A209 [/docs/ML1425/ML14251A209.html] |
| ML14296A667 [/docs/ML1429/ML14296A667.pdf] | |

| | |
|---|---|
| ** | **These pages have topic-specific search functions. Enter Christensen Ranch/Irigaray to search for related docu** |
| *** | **To search for related correspondence in the NRC's Agencywide Documents Access and Management System ( function and enter the licensee's name or docket number (above).** |

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# Application Documents for Ludeman

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

| Title & Estimated Page Count | Document Date | Document Type | Author Affiliation | Addressee Affiliation | Docket Number |
|---|---|---|---|---|---|
| Submittal of Amendment Application to Source Material License SUA-1341 and Supporting Technical and Environmental Reports for the Ludeman Uranium Project [/docs/ML1201/ML120120182.html] | 15-Feb-2012 | Application | Ludeman | NRC | 04008502 |

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# Application Review Schedule for Ludeman

The following table summarizes the key milestones in the schedule that the U.S. Nuclear Regulatory Commission (NRC) has established for its review of the application that Uranium One submitted to obtain a license for its Ludeman In Situ Recovery site.

| Key Milestones | Completion Date Actual - A Target - T |
|---|---|
| Application Received | 12/06/11 |
| License Application in ADAMS | 01/03/12 – A |
| Acknowledgement email Sent (11 days from receipt) | 12/19/11 – A |
| *Acceptance Review* | |
| *Application accepted for review [/docs/ML1213/ML12131A322.pdf]* | 05/06/12 – A |
| *Acceptance Review Complete (60 days from Acceptance Review Begins)* | 05/16/12 – A |
| *Safety Review* | |
| *Safety RAIs issued [/docs/ML1235/ML12352A028.pdf]* | 01/15/13 – A |
| *Licensee submits major "change of design" request [/docs/ML1310/ML13106A238.pdf] deferring amended application submission for RAI response revisions* | 04/10/13 – A |
| *RAIs responses received in full [/docs/ML1407/ML14079A127.pdf]* | 03/13/14 – A |
| *Second round of Targeted RAIs submitted sent [/docs/ML1435/ML14350A186.pdf]* | 12/01/14 – A |
| *Targeted RAI responses received* | 06/08/15 – A |
| *Schedule letter issued [/docs/ML1702/ML17025A373.pdf]* | 03/28/17 – A |
| *Revised Application [/docs/ML1719/ML17192A357.html] (Technical Report) including "Change of Design" modification received* | 06/30/17 – A |
| *Schedule letter issued [/docs/ML1722/ML17221A302.pdf]* | 08/25/17 – A |
| *Final SER Complete [/docs/ML1805/ML18059A919.html]* | 03/01/18 – A |

| | |
|---|---|
| *Environmental Review* | |
| *Requests for RAIs to Applicant [/docs/ML1235/ML12352A030.pdf]* | 01/19/13 – A |
| *RAI responses received in full [/docs/ML1407/ML14079A127.pdf]* | 03/13/14 – A |
| *Revised Application (Environmental Report [/docs/ML1726/ML17261A460.html] ) including "Change of Design" modification received* | 08/25/17 – A |
| *Draft Environmental Assessment (EA) issued* | 02/27/18* – A |
| *Final EA [/docs/ML1818/ML18183A225.pdf] Issued* | 08/02/18** – A |
| Issue License Amendment [/docs/ML1808/ML18081A229.pdf] and SER Rev 1 [/docs/ML1808/ML18081A228.pdf] | 08/24/18 – A |

*Based on August 31, 2017 submittal of revised Environmental Report that contained a change of design
**Issuance of the Final EA is contingent upon completion of the National Historic Preservation Act (NHPA) Section 106 consultation

*Information on Federal Register notices for receipt of the application and opportunity to request a hearing or petition to intervene can be found on the Hearing Opportunities [/about-nrc/regulatory/adjudicatory/hearing-license-applications.html] page.*

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# Ludeman Documents Pertaining to Section 106 of the National Historic Preservation Act and Solicitation of Public Comments

The U.S. Nuclear Regulatory Commission (NRC) has received an application from Uranium One dated December 6, 2011 (Agencywide Documents Access and Management System [ADAMS] Accession Number ML120120182). This application requests to amend NRC Source Material License SUA-1341 to construct and operate the Ludeman satellite at the Willow Creek In Situ Recovery site located in Converse County, Wyoming. The NRC staff is conducting an environmental review in accordance with the Title 10 of the Code of Federal Regulations Part 51 (10 CFR Part 51), which implements the requirements of the National Environmental Policy Act of 1969, as amended (NEPA). The NRC staff is also conducting a Section 106 review in accordance with the National Historic Preservation Act of 1966, as amended (NHPA). NRC staff initiated its consultation under Section 106 for the proposed Ludeman project in August 2012. The staff is now providing documents for public consideration and comment consistent with 36 CFR § 800.4(d)(1).

The area of potential effect (APE) consists of 2,200 acres where proposed ground disturbing activities could occur. The NRC staff consulted with interested Native American Tribes to identify historic properties, specifically ones of religious and cultural significance. The NRC staff also reviewed the information provided by Uranium One in its Ludeman license amendment application. The NRC acknowledges that the Tribes possess special expertise in identifying properties of cultural and religious significance and assessing the significance of these properties to their individual Tribes. The NRC staff invited Tribes to participate in a site visit to gather information on historic properties. Based on the information found in the NRC staff's independent analysis, the NRC staff has preliminarily concluded that there are two sites of historic, cultural, or religious significance to Tribes present in the APE of the proposed Ludeman project site. However, NRC would require by license condition that Uranium One avoid the two eligible sites. The NRC staff has documented its preliminary determination, detailing the Section 106 activities and cultural resources findings, and has included that documentation in the cultural resources sections of the draft Environmental Assessment for the Ludeman project. A document containing those sections is available in the link below.

NRC documentation of its Section 106 review findings. (Cultural Resources sections of draft Environmental Assessment) [/docs/ML1815/ML18155A398.pdf]

NRC is soliciting comments from the public on the document provided above or on the information stated here. NRC staff will accept comments until Thursday July 5, 2018. Please submit your comments by emailing Ashley.Waldron@nrc.gov [mailto:Ashley.Waldron@nrc.gov] .

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# ISR Wellfield Ground Water Quality Data

*The links below contain in-situ recovery (ISR) wellfield baseline and restoration ground water quality data collected from the NRC licensed ISR Smith Ranch site for regulatory purposes. Hard copies of this information are publicly available in ADAMS, ADAMS legacy or in State records, however, to improve public access to the data, standardized MS Excel spreadsheets are being made available. The spreadsheets listed below contain the ISR wellfield ground water quality data for Smith Ranch and Highlands Uranium Project mine units through January 2012 ( contact: ISRgroundwaterquality.Resource@nrc.gov [mailto:ISRgroundwaterquality.Resource@nrc.gov] ):*

Smith Ranch Mine Unit 1 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-1.xls]

Smith Ranch Mine Unit 2 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-2.xls]

Smith Ranch Mine Unit 3 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-3.xls]

Smith Ranch Mine Unit 4 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-4.xls]

Smith Ranch Mine Unit 4A [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-4a.xls]

Smith Ranch Mine Unit 9 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-9.xls]

Smith Ranch Mine Unit 15 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-15.xls]

Smith Ranch Mine Unit 15A [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-15a.xls]

Smith Ranch Unit K [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu-k.xls]

Highlands Mine Unit A [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-a.xls]

Highlands Mine Unit B [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-b.xls]

Highlands Mine Unit C [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-c.xls]

Highlands Mine Unit D [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-d.xls]

Highlands Mine Unit D Extension [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-dext.xls]

Highlands Mine Unit E [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-e.xls]

Highlands Mine Unit F [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-f.xls]

Highlands Mine Unit H [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-h.xls]

Highlands Mine Unit I [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-i.xls]

Highlands Mine Unit J [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mu-j.xls]

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# Smith Ranch Resources - ISR Wellfield Excursion Ground Water Quality Data

*The links below contain in-situ recovery (ISR) wellfield excursion ground water quality data collected from the NRC licensed ISR Smith Ranch site for regulatory purposes. Hard copies of this information are publicly available in ADAMS, ADAMS legacy or in State records, however, to improve public access to the data, standardized MS Excel spreadsheets are being made available. The spreadsheets listed below contain the ISR wellfield excursion ground water quality data for Smith Ranch and Highlands Uranium Project mine units through January 2013 ( contact: ISRgroundwaterquality.Resource@nrc.gov* [mailto:ISRgroundwaterquality.Resource@nrc.gov] *):*

| Smith Ranch | Highlands |
|---|---|
| • Mine Unit 1: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu1-exc.xlsx]<br>• Mine Unit 2: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu2-exc.xlsx]<br>• Mine Unit 3: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu3-exc.xlsx]<br>• Mine Unit 4 [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu4-exc.xlsx]<br>• Mine Unit 4A: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu4a-exc.xlsx]<br>• Mine Unit 9: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu9-exc.xlsx]<br>• Mine Unit 15: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu15-exc.xlsx]<br>• Mine Unit 15A: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-mu15a-exc.xlsx]<br>• Mine Unit K [/info-finder/materials/uranium/licensed-facilities/smith-ranch/sr-muk-exc.xlsx] | • Mine Unit A [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mua-exc.xlsx]<br>• Mine Unit B [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mub-exc.xlsx]<br>• Mine Unit C [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-muc-exc.xlsx]<br>• Mine Unit D [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mud-exc.xlsx]<br>• Mine Unit D Extension: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mudext-exc.xlsx]<br>• Mine Unit E: No Excursions [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mue-exc.xlsx]<br>• Mine Unit F [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-muf-exc.xlsx]<br>• Mine Unit H [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-muh-exc.xlsx]<br>• Mine Unit I [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-mui-exc.xlsx]<br>• Mine Unit J [/info-finder/materials/uranium/licensed-facilities/smith-ranch/hi-muj-exc.xlsx] |

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# Inspection Reports for Willow Creek Project

*This page includes links to files in non-HTML format. See Plugins, Viewers, and Other Tools [/site-help/plug-ins.html] for more information.*

| Date of Inspection | Accession Numbers |
|---|---|
| August 25-27, 1998 | 9810020313 |
| April 6-8, 1999 | 9905060225 |
| August 31-September 2,1999 | 9910050298 |
| April 25-26, 2000 | ML003716294 [/docs/ML0037/ML003716294.pdf] |
| April 17-19, 2001 | ML011370186 [/docs/ML0113/ML011370186.pdf] |
| November 6-8, 2001 | ML013300308 [/docs/ML0133/ML013300308.pdf] |
| August 26, 2004 | ML042710124 [/docs/ML0427/ML042710124.pdf] |
| June 26-28, 2007 | ML072080382 [/docs/ML0720/ML072080382.pdf] |
| October 25-28, 2010 | ML103540468 [/docs/ML1035/ML103540468.pdf] |
| December 7-9, 2010 | ML110590753 [/docs/ML1105/ML110590753.pdf] |
| March 29-21, 2011 | ML11168A106 [/docs/ML1116/ML11168A106.pdf] |
| October 5-12, 2011 | ML11301A220 [/docs/ML1130/ML11301A220.pdf] |
| December 1, 2011 | ML11362A470 [/docs/ML1136/ML11362A470.pdf] |
| April 16-18, 2012 | ML12172A383 [/docs/ML1217/ML12172A383.pdf] |
| Jan 29-31, 2013 | ML13063A408 [/docs/ML1306/ML13063A408.pdf] |
| July 31 - Aug 3, 2013 | ML14345B073 [/docs/ML1434/ML14345B073.pdf] |
| May 13-15, 2014 | ML14345B073 [/docs/ML1434/ML14345B073.pdf] |

See Safety Evaluation Report [/docs/ML1301/ML13015A356.pdf] for more information

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