

### Subpart 3271—Utilization Operations: Getting a Permit

#### § 3271.10 What do I need to start preparing a site and building and testing a utilization facility on Federal land leased for geothermal resources?

If you want to use Federal land to produce geothermal power, you have to get a site license and construction permit before you even start preparing the site. Send BLM a plan that shows what you want to do and write up a proposed site license agreement that you think is fair and reasonable. We will review it and decide whether or not to give you a permit and license to proceed with work on the site. Until and unless we do, don't even think about it.

#### § 3271.11 Who may apply for a permit to build a utilization facility?

The lessee, the facility operator, or the unit operator may apply to build a utilization facility.

#### § 3271.12 What do I need to start preliminary site investigations which may disturb the surface?

(a) You must:

(1) Fully describe your proposed operations in a sundry notice; and,

(2) File a bond meeting the requirements of either 43 CFR 3251.15 or 3273.19. See Subparts 3214 and 3215 for additional details on bonding procedures.

(b) Do not begin the site investigation or surface disturbing activity until BLM approves your sundry notice and bond.

#### § 3271.13 What do I need to start building and testing a utilization facility which is not located on Federal lands leased for geothermal resources, but the pipelines and facilities connecting the well field are?

(a) Before constructing pipelines and well field facilities on Federal lands leased for geothermal resources, the lessee, unit operator or facility operator must submit your utilization plan and facility construction permit addressing any pipelines or facilities. Do not start construction of your pipelines or facilities until BLM approves your

utilization plan and facility construction permit.

(b) Before testing a utilization facility which is not located on Federal lands leased for geothermal resources with Federal geothermal resources, send us a sundry notice which describes the testing schedule and the amount of Federal resources you expect to be delivered to the facility during the testing. Do not start delivering Federal geothermal resources to the facility until we approve your sundry notice.

(c) You do not need a BLM permit to construct a facility located on either:

(1) Private land; or

(2) Lands where the surface is privately owned and BLM has leased the underlying Federal geothermal resources, when the facility will utilize Federal geothermal resources.

#### § 3271.14 How do I get a permit to begin commercial operations?

Before using Federal geothermal resources, the lessee, operator, or facility operator must send us a complete commercial use permit (43 CFR 3274.11). This also applies when you use Federal resources allocated through any form of agreement. Do not start any commercial use operations until BLM approves your commercial use permit.

### Subpart 3272—What is in a Utilization Plan and Facility Construction Permit?

#### § 3272.10 What must I give BLM in my utilization plan?

Describe the proposed facilities as set out in 43 CFR 3272.11, and the anticipated environmental impacts and how you propose to mitigate those impacts, as set out at 3272.12.

#### § 3272.11 How should I describe the proposed utilization facility?

Your description must include:

(a) A generalized description of all proposed structures and facilities, including their size, location, and function;

(b) A generalized description of proposed facility operations, including estimated total production and injection rates; estimated well flow rates, pressures, and temperatures; facility net and gross electrical generation; and, if

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applicable, interconnection with other utilization facilities. If it is a direct use facility, send us the information we need to determine the amount of resource utilized;

(c) A contour map of the entire utilization site, showing production and injection well pads, pipeline routes, facility locations, drainage structures, and existing and planned access and lateral roads;

(d) A description of site preparation and associated surface disturbance, including the source for site or road building materials, amounts of cut and fill, drainage structures, analysis of all site evaluation studies prepared for the site(s), and a description of any additional tests, studies, or surveys which are planned to assess the geologic suitability of the site(s);

(e) The source, quality, and proposed consumption rate of water used during facility operations, and the source and quantity of water used during facility construction;

(f) The methods for meeting air quality standards during facility construction and operation, especially standards concerning noncondensable gases;

(g) An estimated number of personnel needed during construction and operation of the facility;

(h) A construction schedule;

(i) A schedule for testing of the facility and/or well equipment, and for the start of commercial operations;

(j) A description of architectural landscaping or other measures to minimize visual impacts; and (k) Any additional information or data which we may require.

**§ 3272.12 How do I describe the environmental protection measures I intend to take?**

(a) Describe, at a minimum, your proposed measures to:

- (1) Prevent or control fires;
- (2) Prevent soil erosion;
- (3) Protect surface or ground water;
- (4) Protect fish and wildlife;
- (5) Protect cultural, visual, and other natural resources;
- (6) Minimize air and noise pollution; and
- (7) Minimize hazards to public health and safety during normal operations.

(b) If we require, you must also describe how you will monitor your facility operations to ensure they comply with the requirements of 43 CFR 3200.4, and noise, air, and water quality standards at all times. We will consult with another involved surface management agency regarding monitoring requirements. You must also include provisions for monitoring other environmental parameters we may require.

(c) Based on what level of impacts your operations may cause, we may require you to collect data concerning existing air and water quality, noise, seismicity, subsidence, ecological systems, or other environmental information for up to one year before you begin operating. We must approve your data collection methodologies, and will consult with any other surface managing agency involved.

(d) You must also describe how you will abandon utilization facilities and restore the site, to comply with the requirements of 43 CFR 3200.4.

(e) Finally, submit any additional information or data which we may require.

**§ 3272.13 How will BLM review my utilization plan and notify me of their decision?**

(a) When BLM receives your utilization plan, we will make sure it is complete and review it for compliance with 43 CFR 3200.4.

(b) If another Federal agency manages the surface of your lease, we will consult with them as part of the plan review.

(c) If we need any further information to complete our review, we will contact you in writing and suspend our review until we receive the information.

**§ 3272.14 How do I get a permit to construct or test my facility?**

(a) Before constructing or testing a utilization facility, you must submit to BLM a:

- (1) Utilization plan;
- (2) Complete and signed facility construction permit; and,
- (3) Complete and signed site licence. (See subpart 3273.)

(b) Do not start constructing or testing your utilization facility until we