(2) The qualifications of applicant(s) to hold a lease under the Act.

(3) A description of the land for which a lease is desired.

(4) A detailed statement of any direct or indirect interest which the applicant then has in any lease issued or applications pending hereunder, including ownership interests in any holder of a lease issued hereunder.

(5) If the applicant is a corporation, the name and address of each stockholder of record holding more than 10 percent of the corporation's stock.

(6) If the applicant is an association, the name and address of each member who has an interest of more than 10 percent in the association.

(7) A statement of the applicant's interests in non-federally owned oil shale lands and the reasons why the applicant needs federally leased land for the proposed research and development. The statement should include a description of the location and acreage of such lands, and the best available information on the depth, quantity, composition, quality and thickness of mineral deposits present in such land.

(8) A detailed statement of the applicant's financial capability to conduct the proposed research and development.

(9) A detailed statement of the applicant's technical capability to conduct the proposed research and development.

(10) A description of the applicant's plan of research and development during the research term, specifying:

[1] The goals of the research plan;

[2] The nature, location and cost of plants and equipment to be utilized;

[3] The number of key persons to be employed and their qualifications;

[4] The schedule of expenditures;

[5] The mining and processing techniques to be studied;

[6] The possible adverse effects on the environment and the measures to be taken to avoid or minimize such effects;

[7] The acreage required for the research;

[8] The depth, quantity, composition, quality and thickness of shale deposits required for the research;

[9] The quantity of water required and the expected source;

[10] The measures to be taken to prevent waste of the mineral resources of the leased land.

(11) A description of the reserves the applicant then owns or controls of oil and other minerals of the kind believed to be present in the lands applied for.

(12) With respect to the commercial operation sought to be developed if the research plan is successful:

[1] The general nature of the commercial operation, the commodity(ies) or product(s) expected to be produced, and the approximate service life and capacity of the plant to be constructed.

[2] The expected annual unit and dollar value of production of each mineral product to be produced. If the proposed commercial operation does not include extraction of component mineral products from the oil shale, a description of the prospective market.

[3] The expected capital and annual operating costs.

[4] The quantity of water required and the expected source.

[5] The expected hazards to the environment and the measures proposed to avoid or minimize them.

[6] The quantity of land and the depth, quantity, composition, quality and thickness of mineral deposits required.

§ 3171.3 *Consideration to be used in Evaluating Applications.*

After consultation with appropriate Federal, state and local agencies, evaluation of the research and development proposals will be made on the basis of the following considerations:

(a) Selection of proposals showing greatest promise of:

(1) Ascertaining the commercial feasibility of a variety of mining and processing methods, under a variety of conditions;

(2) Enhancing opportunities for maximizing multiple mineral recovery;

(3) Enhancing the competitive opportunities of smaller companies;

(4) Limiting any potential hazards to the environment;