GENERIC COMBINED LICENSE

[NAME OF NUCLEAR FACILITY]

[NAME OF NUCLEAR FACILITY OWNER]

Docket No. 52-[XXX]

License No. NPF-[XX]

1. The Nuclear Regulatory Commission (the Commission) has found the following:

   A. The application for a combined license (COL) filed by [name of nuclear facility owner(s) (the licensee)][, which references Appendix __ to 10 CFR Part 52,] [, which references Early Site Permit No. ESP-XXX] complies with the applicable standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the applicable regulations of the Commission, and all required notifications to other agencies or bodies have been duly made;

   B. The applicable requirements set forth in 10 CFR 52.77, 52.78, 52.79, 52.81, 52.83, 52.85, 52.87, 52.89, [52.91, if applicable], and 52.97 [and Appendix __ to 10 CFR Part 52] have been met;

   C. There is reasonable assurance that the facility will be constructed and will operate in conformity with the application, as amended, the provisions of the Act, and the applicable regulations of the Commission, except as exempted from compliance in Section 2.F below;

   D. There is reasonable assurance (i) that the activities authorized by this COL can be conducted without endangering the health and safety of the public and (ii) that such activities will be conducted in compliance with the applicable regulations set forth in 10 CFR Chapter I, except as exempted from compliance in Section 2.F below;

   E. The licensee is technically and financially qualified to engage in the activities authorized by this COL in accordance with the applicable regulations of the Commission;

   F. The licensee has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements."

   G. The issuance of this license will not be inimical to the common defense and security or to the health and safety of the public;

   H. The issuance of this license is in accordance with 10 CFR Part 51 and all applicable requirements have been satisfied; and

   I. The receipt, possession, and use of source, byproduct, and special nuclear material as authorized by this license will be in accordance with the applicable regulations in 10 CFR Parts 30, 40, and 70.

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2. On the basis of the foregoing findings regarding this facility, COL No. NPF-[XX] is hereby issued to [licensee], to read as follows:

A. This license applies to the [Name of Nuclear Facility], a light-water nuclear reactor and associated equipment (the facility), owned by the licensee. The facility is located and is described in the licensee's final safety analysis report (FSAR), as supplemented and amended, and the licensee's environmental report, as supplemented and amended.

B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses the licensee:

(1) Pursuant to Sections 103 and 185.b of the Act and 10 CFR Part 52, to construct, possess, use, and operate the facility at the designated location in accordance with the procedures and limitations set forth in this license;

(2) (i) Pursuant to the Act and 10 CFR Part 70, to receive and possess at any time, special nuclear material as reactor fuel, in accordance with the limitations for storage and amounts required for reactor operation, described in the FSAR, as supplemented and amended;

(ii) Pursuant to the Act and 10 CFR Part 70, to use special nuclear material as reactor fuel, after the finding in Section 2.D(1) of this license has been made, in accordance with the limitations for storage and amounts required for reactor operation, and described in the FSAR, as supplemented and amended;

(3) Pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use, at any time, any byproduct, source, and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;

(4) Pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use in amounts as required, any byproduct, source, or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated with radioactive apparatus or components; and

(5) Pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.

C. The license is subject to, and the licensee shall comply with, all applicable provisions of the Act, and the rules, regulations, and orders of the Commission, including the inspections, tests, analyses, and acceptance criteria (ITAAC) contained in Appendix A of this license.

D. The license is subject to, and the licensee shall comply with the conditions set forth in 10 CFR Chapter I, now or hereafter applicable [consistent with the

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requirements in Section VIII of Appendix __ to 10 CFR Part 52]; and the conditions specified and incorporated below:

(1) Nuclear Fuel Loading

(i) The licensee shall state under oath or affirmation to the Commission that the acceptance criteria in the ITAAC have been met.

(ii) The licensee is authorized to load fuel into the reactor vessel and perform precritical testing (zero power) after the Commission has found, in accordance with 10 CFR 52.103(g), that the acceptance criteria are met.

(2) Low-Power Testing

Upon notification of the Director of the Office of New Reactors, the licensee is authorized to perform low-power testing and operate the facility at reactor steady-state core power levels, not in excess of [XX] megawatts thermal (5-percent power), in accordance with the conditions specified herein.

(3) Design-Specific Testing

[Placeholder for first plant only tests.]

(4) Maximum Power Level

Upon notification of the Director of the Office of New Reactors, the licensee is authorized to perform power ascension testing and operate the facility at reactor steady-state core power levels, not in excess of [XXXX] megawatts thermal (100 percent power), in accordance with the conditions specified herein.

(5) Incorporation

The ITAAC, plant-specific Technical Specifications, Environmental Protection Plan, and Antitrust Conditions contained in Appendices A, B, C, and D, respectively, of this license are hereby incorporated into this license.

(6) COL Holder Items

Each COL Holder item identified in the table shall be completed by the identified implementation milestone through completion of the action therein identified.

(7) Operational Program Implementation

The licensee shall implement the programs or portions of programs identified in Table on or before the associated milestones in Table 13.4-XXX.

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(8) Operational Program Implementation Schedule

The licensee shall submit to the appropriate Director of the NRC, a schedule, no later than 12 months after issuance of the COL, that supports planning for and conduct of NRC inspections of operational programs listed in the operational program FSAR Table 13.4-XXX. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until either the operational programs in the FSAR table have been fully implemented or the plant has been placed in commercial service, whichever comes first.

a. This schedule shall include a submittal schedule for the emergency planning implementing procedures to the NRC consistent with 10 CFR Part 50, Appendix E, Section V.

b. This schedule shall provide for the availability of test specifications, test procedures, and the startup administration manual for the initial test program for NRC inspection 60 days prior to their intended use.

E. The licensee shall report any violations of the requirements in Section 2.D of this license within 24 hours. Initial notification shall be made in accordance with the provisions of 10 CFR 50.72, with written follow up in accordance with the procedures described in 10 CFR 50.73.

F. The following exemptions are authorized by law and will not endanger life or property or the common defense and security. Certain special circumstances are present and these exemptions are otherwise in the public interest. Therefore, these exemptions are hereby granted.

[(1) LISTING OF EXEMPTIONS FROM DESIGN CERTIFICATION RULE (DCR)]
[(2) LISTING OF EXEMPTIONS WHICH ARE OUTSIDE THE SCOPE OF DCR]

G. The licensee shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.

H. The following operational requirements that are applicable to this license will become effective after the Commission finds that the acceptance criteria in this license (ITAAC) have been met in accordance with 10 CFR 52.103(g):

(1) emergency plans,
(2) technical specifications,
(3) . . .

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I. After the Commission has made the finding required by 10 CFR 52.103(g), the ITAAC do not constitute regulatory requirements either for licensees or for renewal of the license; except for specific ITAAC, which are the subject of a Section 103(a) hearing, and which will expire upon final Commission action in such proceeding.

J. This license is effective as of the date of issuance and shall expire at midnight on the date 40 years from the date that the Commission finds that the acceptance criteria in the combined license are met in accordance with 10 CFR 52.103(g).

FOR THE NUCLEAR REGULATORY COMMISSION

Michael R. Johnson, Director
Office of New Reactors

Appendices:
Appendix A - ITAAC
Appendix B - Technical Specifications
Appendix C - Environmental Protection Plan
Appendix D - Antitrust Conditions
Date of Issuance:

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