Licence No: FANR/NF/2010/002A Rev. 1

Amended Licence for Preparation of a Site for the Construction of a Nuclear Facility

Under the powers provided in Articles (6) and (28) of the Federal Law by Decree No. 6 of 2009 Concerning the Peaceful Uses of Nuclear Energy (the Law), the Federal Authority for Nuclear Regulation (the Authority) hereby issues a licence to:

The Emirates Nuclear Energy Corporation (ENEC)
being a corporation established by Abu Dhabi Law number 21 of 2009.

This licence authorises ENEC to conduct the following Regulated Activity set forth in Article (25) 2 of the Law:

Preparation of a Site for the Construction of a Nuclear Facility.

The specific activities authorised by this Licence are set forth in Schedule 1.

The site is the so-called preferred site situated in Barakah west of Ruwais as described in the application document referenced in Schedule 4.

This licence is granted at the applicant’s risk and without prejudice to any subsequent decision by the Authority about the suitability of the siting, design and construction of the nuclear facility or its systems, structures and components.

This site preparation licence (the Licence) is subject to the conditions set out in Schedule 2.

The Licence shall continue to be valid until the completion of the construction work of the Nuclear Facility or until it is earlier suspended or revoked by the Authority or surrendered by the Licensee.

The Licence comprises this page and the following Schedules:

Schedule 1: (1 page) Authorised activities;
Schedule 2: (2 pages) Specification Required under Article (24) of the Law;
Schedule 3: (1 page) Licence Conditions; and
Schedule 4: (1 page) Application Document References;

William D. Travers
Director General

Issued in Abu Dhabi
26 September 2012
Schedule 1 Rev. 1

Authorised Activities

The Site Preparation activities authorised by this Licence are as detailed hereunder:

a) Works related to the construction of features of the overall facility but not part of the civil Nuclear Power Plants (NPPs):

i. Subsurface preparation including dredging and placement of backfill and installing coffer dams and driving of piles.
ii. Development of permanent site roads and vehicle parking.
iii. Permanent modifications to existing port(s) or creation of a new wharf.
iv. Heliport and other permanent transportation facilities.
v. Permanent site petrol stations and equipment maintenance facilities.
vi. Temporary sanitary and solid waste systems and hazardous waste facility.
vii. Permanent national infrastructure such as water distribution systems to the facilities.
viii. Permanent transmission lines for power to and from plant.
ix. Permanent telecommunications.
x. Permanent plant administration building.
xii. Permanent features of security systems, including fences, gates, guard structures and perimeter lighting.

b) Preparatory works for Nuclear Power Plant structures not related to Nuclear Safety:

i. Structures requiring excavations, dredging mud-mats and retaining walls.
ii. Installation of buried piping channels or conduit not related to nuclear safety.
iii. Construction of other NPP structures not related to nuclear safety such as sanitary treatment plant, cold machine shop, transformer foundations, and auxiliary boiler buildings.
Schedule 2 Rev. 1

Specification Required under Article (24) of the Law

1. The Facilities, Activities or inventories of Sources covered by the Licence.
The Licence covers the Regulated Activity Preparation of Site for the Construction of a
Nuclear Facility as defined in Schedule 1.

2. The requirements for notifying the Authority of any modifications to Safety-related
aspects.
Licence condition 2 in Schedule 3 sets out the requirements for notifying the Authority of
any modifications to safety-related aspects.

3. The obligations of the Operator in respect of its Facility, Equipment, Radiation
Source(s) and Personnel.
The obligations of the Operator related to the site-preparation activities are set out in
Schedule 3.

Any use of Radiation Sources, considering its potential harmful effect upon personnel, shall
be subject to a licensing by the Authority.

4. Any restrictions imposed on Operation and use (such as Dose or Discharge limits,
action levels or limits on the duration of the License).
The duration of the Licence is specified in the Licence; it provides for no other restrictions
on Operation and use without prejudice of those arising from future licences.

5. Criteria and conditions for Radioactive Waste Processing for existing or foreseen
Radioactive Waste Management Facilities.
No Radioactive Waste Processing is foreseen under this licence.

6. Any additional authorisations that the Operator is required to obtain from the
Authority.
As indicated in item 3, the Operator is required to obtain a separate Licence for any use of
Radiation Sources.

7. The requirements for Incident reporting.
No requirement for Incident reporting is foreseen under this Licence.

8. Criteria of the reports that the Operator is required to submit to the Authority.
Criteria of the reports that the Operator is required to submit is set forth in Licence
conditions 2, 3, and 5 in Schedule 3.
9. The records that the Operator is required to retain and the time periods for which they must be retained.
   The obligations of the Operator related to retaining information are set out in Licence condition 8 in Schedule 3.

    No Emergency Preparedness provisions are foreseen under this licence.

11. Any other requirements determined by the Authority in implementing regulations.
    There are no other requirements beyond those specified in Licence Conditions in Schedule 3.
Schedule 3 Rev. 1

Licence Conditions

1. ENEC shall conduct the activities authorised by this Licence in accordance with:
   a) The Law;
   b) The applicable regulations issued by the Authority pursuant to the Law;
   c) The guidance for an application for a licence for the Preparation of a Site for the
      Construction of a Nuclear Facility; Ref: FANR-ENEC-OPR-0005/2010, February 18,
      2010;
   d) The terms and conditions of this Licence;
   e) The documents referenced in and/or submitted with ENEC’s application for this
      Licence (the Application Documents).

2. In case of modification to the reference plant design, layout or safety classification of activities,
   the Licensee shall request a specific authorisation from the Authority based on submitted
   evidence that the modification shall have no relation with or impact upon nuclear safety.

3. ENEC shall provide the Authority with a list and timetable for specific activities to be
   undertaken under the Licence prior to the beginning of such activities.

4. ENEC shall provide the Authority with access to any place, to any document or to any
   authorised person, and shall provide all assistance necessary to enable the Authority to inspect
   the licensed activity in accordance with Articles (5), (35) and (36) of the Law.

5. ENEC shall provide to the Authority within one month of the end of each calendar year a report
   on the activities carried out under this Licence during the previous year. This report may be
   integrated with other reports requested for the same program.

6. ENEC shall obtain any necessary licences, permits and authorisations from other competent
   authorities in the UAE prior to conducting any activities authorised by the Authority under this
   Licence.

7. While this Licence remains in force, ENEC shall, for any further licence associated with the
   nuclear facility, provide a demonstration that pursuing the activity under this licence does not
   impair the safety of the activities performed under these further licences.

8. ENEC shall retain any Safety-related information gathered and recorded during the site
   preparation process for the lifetime of the Nuclear Facility.
Schedule 4 Rev. 1

Application Document References

Letter ENEC/FANR/10/0008L/LNP, April 21, 2010, including four Enclosures and an attachment to Enclosure 3, entitled ENEC Quality Assurance Manual.

Letter ENEC/FANR/10/0020L/LNP, June 6, 2010, response to FANR Request for Additional Information for those parts referring to the Site Preparation Licence Application.
