

## Permitting of Development and Infrastructure Projects in Abu Dhabi

EAD-EQ-PCE-SOP-02

Environment Quality Sector	* Corporate Management Representative	Secretary General
Originated By 	Reviewed By 	Approved By 
* Refer to SG Circular S.G/C-08/12 Concerning Appointment and Responsibilities of the Corporate Management Representative at the Environment Agency – Abu Dhabi.		

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# Permitting of Development and Infrastructure Projects in Abu Dhabi

## 1.0 Purpose

The Environment Agency–Abu Dhabi (EAD) establishes standards of conduct for all public and private entities for the promotion of environmentally sound management practices for development and infrastructure projects in Abu Dhabi Emirate. The code is developed in line with the Federal Law No. 24 of 1999 and its bylaws regarding permitting of development and infrastructure projects. These standard operating procedures clearly define the roles of the proponent and EAD to put in place practices that will minimize potential health and environmental risks associated with construction of development and infrastructure projects.

### 1.1 What Is a No Objection Certificate for Development and Infrastructure Projects?

EAD issues No Objection Certificates (NOCs) or permits for construction and operation to developers or companies involved in development and infrastructure projects to ensure that they implement necessary measures to protect the environment during the Construction, Operation, and Decommissioning phases of the project. NOCs should be obtained from EAD before construction begins on a new development or infrastructure project or a new addition or modification to an existing project. Construction NOCs and operating permits must be renewed annually to ensure compliance with their conditions and to update the NOC or operating permit to reflect current operations at the project.

### 1.2 Why Is an NOC Required?

Federal Law No. 24 of 1999 requires that all projects or establishments obtain a license (i.e., NOC or operating permit) prior to starting an activity. To receive this NOC, the proponent must assess the environmental impacts of the activities. The permitting of development and infrastructure projects supports the requirements of the Abu Dhabi Emirate Environment, Health, and Safety Management System framework (Decree 24 of 2009).

## 2.0 Scope

### 2.1 What Development and Infrastructure Projects Are Subject to Environmental Permitting?

There are two types of NOCs or permits for development and infrastructure projects: Construction NOCs and Operating Permits. Any new development or infrastructure project or any new addition to an existing project is subject to environmental permitting requirements. A proponent should obtain a Construction NOC before beginning construction and an Operating Permit before commencing operations. Because some development projects may not have an operating component, an operating permit may not be required after construction has been completed. Attachment 5.1 of this document contains more information about the types of projects that require NOCs.

### 2.2 How Does a Proponent Obtain NOC for a New Development or Infrastructure Project or a Permit for New Construction at an Existing Project?

A proponent should complete an environmental permit application for the proposed development and submit it to EAD. The proponent should submit this application during the preliminary design phase of the project to ensure that alternatives can be considered and that all the required environmental studies can be completed and approved. EAD will review the permit application and will notify the proponent if an environmental assessment is required. An overview of the EAD permitting process is illustrated in **Figure 1** for new infrastructure and development projects. The entire permitting process is detailed in Section 2.0 of this document. Figures for Environmental Permitting Process for New Development and Infrastructure Projects are presented in Attachment 5.3.

Please note that there are other stakeholders that should be informed of project plans and whose approval is required to proceed.

To help identify the types of information, the proponent must complete the environmental permit application (a sample Environmental Permit Application for the construction of a new project or facility is provided in Attachment 5.2, and a sample NOC is provided in Attachment 5.4).

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### 2.3 How Does a Proponent Renew the NOC for Construction or Operating Permit?

If an existing NOC or operating permit is due for renewal, then a proponent should submit a request for renewal to EAD. If a proponent has provided any requested environmental reports and has not had any violations during inspections, then the renewal will likely be granted without any further action on the proponent's part. If a proponent has had a violation since the NOC or operating permit was issued or was last renewed, then EAD may contact the proponent for more information or to conduct an inspection before renewing the NOC or operating permit. If inadequate or no actions have been taken to correct violations, then EAD may either revoke the NOC or operating permit or conditionally approve the NOC or permit pending further corrective action.

### 3.0 Terms and Definitions

Terms	Definitions
Development Projects	Any project that involves the construction and operation of new environments (e.g., housing developments, hotel developments, convention centers, airports) or new additions to existing projects.
Environmental Conditions	The conditions issued from EAD to the proponent that relate to mitigation measures to reduce the environmental impact of the project. Environmental conditions are attached to the approved environmental permit.
Infrastructure Projects	Projects developed by governments or other proponents to support and provide services to the local population. Such projects could include the building of transportation networks, water and sewerage utilities, and electricity transmission and distribution networks, as well as new additions to existing projects.
Permitting Agency	EAD or its designated authority.
Proponent	The agency or developer applying for an Environmental Permit for a development or infrastructure project in Abu Dhabi.

Abbreviations	Definitions
CEMP	Construction Environmental Management Plan
DEMP	Decommissioning Environmental Management Plan
DMP	Discharge Management Plan
EAD	Environment Agency–Abu Dhabi
EAP	Environmental Action Plan
EIA	Environmental Impact Assessment
EPA	Environmental Permit Application
NOC	No Objection Certificate
OEMP	Operation Environmental Management Plan
PER	Preliminary Environmental Review
SEA	Strategic Environmental Assessment
TOR	Terms of Reference

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### 4.0 Implementation

Procedural Steps	Responsibility
<p><b>4.1 Environmental Permitting Process for New Development and Infrastructure Projects</b></p> <p>The following information includes step-by-step instructions for obtaining environmental NOCs for a new development or infrastructure project and a description of the environmental permitting process. This process applies to new development and infrastructure projects and to additional construction at existing projects. <b>Figure 2</b> provides an overview of the process for submitting an environmental permit application and the actions of EAD.</p>	Proponent
<p><b>4.1.1 Performing an Environmental Assessment</b></p> <p>Upon preliminary approval of an environmental permit application, EAD may require that the proponent prepare an environmental assessment or study (see Attachment 5.3). The type of assessment to be conducted depends on many factors, including, but not limited to, the following:</p> <ul style="list-style-type: none"> <li>• How large the environmental impacts are expected to be</li> <li>• Whether a master plan for the project has been finalized</li> <li>• Whether environmental baseline data have been collected</li> <li>• Whether the project has the potential to significantly impact the environment.</li> </ul> <p>One of three types of environmental assessments may initially be requested: a Preliminary Environmental Review (PER), a Strategic Environmental Assessment (SEA), or an Environmental Impact Assessment (EIA). The SEA and EIA require a Terms of Reference (TOR) agreement with EAD. Additionally, all assessments must be completed by an EAD-approved and registered consultant operating within Abu Dhabi Emirate. A current list of registered consultants can be obtained from EAD. The TOR and three types of assessments and the conditions under which they may be required are summarized below. Additional detailed guidance is available for each type of environmental assessment and should be consulted before performing any of the following assessments. Please note that EAD reserves the right to determine which type of study is required based on a case-by-case basis. EAD considers many factors when deciding which study type to request.</p>	Proponent
<p><b>Terms of Reference</b></p> <p>Prior to the submission of a requested SEA or EIA report, the proponent should submit a TOR to EAD for approval. The purposes of a TOR are to outline existing baseline data and data collection needs and to detail how and when the associated review or assessment will be conducted. To be effective, the TOR should, at a minimum, define the relevant elements required to satisfy the obligations of the required analysis. Additional information about the TOR's contents can be found in EAD's <i>Technical Guidance Document for Terms of Reference (TOR)</i>.</p>	

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Procedural Steps	Responsibility
<p><b>Preliminary Environmental Review</b></p> <p>EAD may require the preparation and submission of a PER when the applicable environmental baseline data are available for the project area, a project is not in a sensitive environmental area, or based on professional judgment. <b>Figure 3</b> provides an overview of the process for submitting the PER and the actions of EAD.</p> <p>A PER clearly states the current environmental condition, provides details about the proposed development or infrastructure project, provides an assessment of the environmental impacts associated with the project, and recommends a mitigation solution and monitoring efforts, all at a level of detail that satisfies EAD. Additional information about the PER's contents can be found in EAD's document, <i>Technical Guidance Document for Preliminary Environmental Review (PER)</i>.</p> <p>Upon review and acceptance of the PER, following any required study or report modifications deemed necessary, EAD may take one of the following actions:</p> <ul style="list-style-type: none"> <li>• If the level of detail provided in the PER is not sufficient or additional information is needed to adequately characterize or quality potential impacts, then EAD can request that an EIA or other environmental study be completed.</li> <li>• If EAD approves a PER and does not require a follow-on environmental study, then the Agency will issue an NOC for construction, and the statement of commitments relative to mitigation and monitoring efforts and identified during the PER process will serve as the binding agreement between the Agency and the proponent.</li> </ul>	
<p><b>Strategic Environmental Assessment</b></p> <p>EAD may require the preparation and submission of an SEA report when</p> <ol style="list-style-type: none"> <li>1. The final design for the proposed project has not yet been developed or is in the process of being developed (i.e., the design has not yet been finalized)</li> <li>2. The applicable environmental baseline data have not yet been collected or are not available for the project area.</li> </ol> <p>An SEA report provides a basic description of the current environmental condition of the proposed site, outlines details about the most current version of the proposed development or infrastructure project, provides an overview of the potential environmental impacts associated with the proposed project, and discusses the mitigation approaches and monitoring efforts that may be necessary with the proposed project, all at a level of detail that satisfies the permitting agency. Before conducting a SEA, EAD should approve a TOR for the assessment. More information about the SEA's contents can be found in EAD's document, <i>Technical Guidance Document for Strategic Environmental Assessment (SEA)</i>.</p> <p>Upon approval by EAD, and if the proponent intends to continue with the proposed project or development, an SEA is usually followed by the preparation and submission of an EIA or a Construction Environmental Management Plan (CEMP) report. Until the next environmental study is submitted, the statement of commitments outlined in the SEA report will serve as the binding agreement between the permitting agency and the proponent. <b>Figure 4</b> shows the process for conducting an SEA.</p>	







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Procedural Steps	Responsibility
<p><b>4.1.3 Submitting an Operation Environmental Management Plan and Obtaining a Permit for Operation</b></p> <p>For many development and infrastructure projects, an OEMP may not be required. OEMPs are usually required for major ports, airports, railway systems, sewage treatment plants, power stations, or landfills, as well as any other project with operational activities. If a permit for operation is required, then there are several steps that should occur before this permit can be issued by EAD. First, the proponent of an infrastructure project should have an Operation Environmental Management Plan (OEMP) prepared by an EAD-approved and registered consultant. The OEMP is a site- or project-specific plan developed to ensure that appropriate environmental management practices are followed during the operation of an infrastructure project. This plan also ensures that the environmental studies that have been previously submitted to and approved by EAD have been properly implemented, including each plan's environmental conditions for approval or consent. Second, the proponent should submit the OEMP to EAD no later than 2 months prior to beginning operations. Third, if EAD approves the OEMP, then it will issue a permit for operation to the proponent. The proponent may begin operations for the project (i.e., following completion of the construction phase) after the OEMP has been approved, a final pre-commissioning audit has been conducted at the site by EAD, and the permit containing environmental conditions has been issued (<b>Figure 7</b>).</p> <p>Additional guidance on the OEMP's contents can be found in EAD's document, <i>Technical Guidance Document for Operation Environmental Management Plan (OEMP)</i>.</p>	
<p><b>4.1.4 Annual Renewal of the NOC for Construction or Operating Permit</b></p> <p>EAD will periodically perform inspections and audits of development and infrastructure project sites within its jurisdiction to ensure they are operating properly, safely, and in compliance with their permit requirements (i.e., environmental conditions). If a project does not comply with the environmental conditions, then a proponent should implement corrective actions to comply with the conditions and requirements of the permit.</p> <p>A proponent is required to submit an application annually to renew its NOC for construction or operating permit with EAD. During the renewal process (<b>Figure 8</b>), EAD will review the environmental performance of the project for the preceding year. If the project is found to be in compliance with all applicable permit conditions and requirements, then the permit will be renewed, and operations may continue uninterrupted. If a project is found to be in noncompliance of its permit conditions, then EAD may provide conditional approval of the NOC or operating permit, upon which more stringent monitoring and audit and inspection requirements can be required for the project to ensure compliance. Alternatively, EAD may deny renewal of the NOC or operating permit.</p>	Proponent
<p><b>4.1.5 Modifications to the NOC for Construction or Operating Permit</b></p> <p>As stated in the conditions of the NOC or operating permit, the owner or proponent is required to notify EAD of any changes that affect the information contained within the issued permit. This requirement applies to NOCs for construction and operating permits. Approval should be obtained from EAD before proceeding with any significant changes or modifications, such as changes to the location, processes, or scope of work; emission specifications; and characteristics of discharges. Proponents should submit an environmental permit application for the proposed modifications, including technical information and data that would assist in the evaluation of the changes to activities. If necessary, EAD may require that the proponent perform an additional environmental assessment to address the potential environmental impacts associated with the proposed changes. Minor modifications, or those administrative in nature, may be processed without the need for additional environmental assessments (<b>Figure 9</b>).</p>	Proponent

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Procedural Steps	Responsibility
<p><b>4.1.6 Decommissioning and Rehabilitation</b></p> <p>When a facility plans to decommission an infrastructure or development project (or a portion of a project), the proponent should submit an environmental permit application to notify EAD of the planned activities. EAD will likely request a Decommissioning Environmental Management Plan (DEMP). No decommissioning activities may commence until EAD issues an NOC for decommissioning. The DEMP should include a description of the environmental conditions of the area to be decommissioned, including any monitoring data and previous remediation activities performed.</p> <p>In addition to describing the mitigation efforts that will be used to reduce or eliminate environmental impacts from the decommissioning activities, the DEMP will contain information about any sampling, analysis, and monitoring to be performed and any future rehabilitation or ongoing remediation activities planned. Following approval of the DEMP and issuance of the NOC for decommissioning, the proponent can begin related activities (<b>Figure 10</b>). Additional guidance about the DEMP's contents can be found in EAD's document, <i>Technical Guidance Document for Decommissioning Environmental Management Plan (DEMP)</i>.</p>	Proponent
<p><b>4.1.7 Communications with EAD</b></p> <p>Phone calls and meetings may be used to discuss issues, but these do not constitute official decisions by EAD. If consultants or proponents provide meeting minutes, EAD can acknowledge them, but the meeting minutes do not constitute official correspondence from EAD.</p>	Proponent

## 5.0 Attachments

### 5.1 List of Projects Potentially Requiring an EIA as per Federal Law No. 24 of 1999

#### Projects That May Require an Environmental Impact Assessment Study Before Construction, Modification, or Expansion According to Federal Law No. 24 of 1999

##### 5.1.1 Fossil Natural Resources Projects

1. Exploration, extraction, processing, re-processing, storage, transportation, sale, and collection of petroleum and all of its derivatives (these include, but are not limited to, gasoline, diesel oils, and lubricants), including all of the related facilities and equipment
2. Exploration, extraction, processing, storage, and transportation of natural gas, including all of the related facilities and equipment.

##### 5.1.2 Nonfossil Natural Resources Projects

1. Exploration, excavation, storage, and transportation of sand (silica), including all of the related facilities and equipment
2. Exploration, excavation, storage, and transportation of rocks, including all of the related facilities and equipment
3. Melting, processing, and storage of aluminum, including all of the relevant facilities and equipment
4. Melting, processing, and storage of iron, including all of the related facilities and equipment
5. Melting and processing of metals (e.g., gold)
6. Metal plating and manufacturing (e.g., steel)

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7. Processing and storage of cement and concrete materials
8. Processing and storage of fiberglass, sponge, and glass
9. Processing and storage of cement and lime blocks and ceramics
10. Processing and storage of insulating materials
11. Processing and storage of paper for printing
12. Textile manufacture.

### **5.1.3 Other Industrial Projects**

1. Processing, packaging, and storage of chemicals of all types and purposes
2. Processing, packaging, and storage of medicines and pharmaceutical and medical formulations
3. Processing, packaging, storage, and transportation of all types of pesticides
4. Processing, packaging, and storage of all types of dyes used for all purposes
5. Processing, packaging, and transportation of all types of gases used for all purposes
6. Processing and storage of all types of batteries
7. Processing and storage of tires (as a means of transportation) and their accessories.

### **5.1.4 Food, Livestock, and Agricultural Projects**

1. Producing, packaging, and storing food products
2. Gathering, raising, slaughtering, and skinning of livestock
3. Dying and manufacturing leather
4. Cultivating and preparing land, including related facilities and equipment
5. Processing animal and vegetable oils and their derivatives.

### **5.1.5 Power Generation and Water Desalination Projects**

1. Power generating plants (regardless of the source of energy), including related electric cables, substations, facilities, and equipment
2. Water desalination plants (regardless of the method used), including pipelines, collection, storage, distribution, sterilization, treatment, and related facilities and equipment
3. Utilization of ground water resources, including exploration, extraction, transportation, processing, storage, injection, and related facilities and equipment.

### **5.1.6 Land, Air, and Marine Transportation Projects**

1. Highways, including bridges and roads
2. Underground tunnels
3. Marine ports and anchorage areas, regardless of size
4. Dredging of marine ports, anchorage areas, and channels
5. Marine bridges
6. Construction of dry docks and related facilities for ship repair, painting, and maintenance

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7. Construction of ships, boats, and related facilities
8. Construction of airports and related facilities, regardless of their size.

### 5.1.7 Projects Related to Wastes

1. Disposal of wastes (regardless of the method used, whether by landfill, incineration, or other methods), whether solids, semi-solids, liquids, or gases; hazardous or nonhazardous; municipal, industrial, or medical, including related locations, facilities, equipment, and transportation
2. Handling of wastes (regardless of the method used, whether through recycling, reuse, or other methods), whether solids, semi-solids, liquids, or gases; hazardous or nonhazardous; municipal, industrial, or medical, including related locations, facilities, equipment, and transportation.

### 5.1.8 Projects Related to Housing and Industries

1. New horizontal housing projects, regardless of location
2. New vertical housing projects, regardless of location
3. New cities projects, regardless of location
4. Construction of industrial zones.

### 5.1.9 Projects of Special Nature

1. Projects inside or near protected areas or areas that are environmentally or ecologically sensitive
2. Projects that establish any activities, facilities, and works on the islands and coastal zones of the United Arab Emirates
3. Projects that involve reclamation or landfill operations on coastlines and island edges
4. Projects that may affect the historical, archaeological, entertainment, scientific, cultural, and service character of adjacent areas
5. Projects that involve hospitals and health facilities, including laboratories and medical incinerators.

### 5.1.10 Additional Projects or Activities That May Require an EIA Study

1. Pipelines for the transport of oil, gas, or chemicals
2. Quarries and installations for extracting and processing of materials and ores not listed in the bylaws of Federal Law No. 24 of 1999
3. Industrial and manufacturing projects and activities not specifically mentioned in the bylaws of Federal Law No. 24 of 1999
4. Agriculture and aquaculture
  - Water management projects for agriculture, including irrigation and land-drainage projects
  - Initial afforestation and deforestation projects
  - Intensive fish farming
5. Marine dredging for purposes other than harbors or anchorage areas
6. Infrastructure projects
  - Plans for urban development projects, including the construction of shopping centers and car parks
  - Construction of railways, tramways, and related facilities
  - Construction of airfields

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- Plans for dams and other installations that are designed to hold water or store it long term
  - 7. Tourism and leisure
    - Holiday villages and hotel complexes outside urban areas and related developments
    - Theme parks
    - Permanent camp sites and caravan sites
  - 8. Introduction of alien species of flora and fauna to the local ecosystem
  - 9. Utilization of emerging technologies with track records of less than 2 years.
- (Sources: Council Directive 97/11/EC, issued by the European Commission, March 1999; national lists of some countries)

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### 5.2 Environmental Permit Application for the Construction of a Project or Facility



طلب رخصة بيئية لإنشاء مشروع / منشأة

Environmental Permit Application for Construction of Project / Facility

Note: Please review all instructions before filling the application

ملاحظة: يرجى الاطلاع على كافة التعليمات قبل تعبئة الطلب

For Official Use للاستعمال الرسمي		
Application Number:	NP-	رقم الطلب:
Date Application Received:		تاريخ استلام الطلب:
Applicant Identification No.:	EPD-	الرقم المميز لصاحب الطلب:

#### PART 1 – GENERAL INFORMATION الجزء الأول – معلومات عامة

1. Project / Facility Name	اسم المشروع / المنشأة
----------------------------	-----------------------

2. Type of Application	نوع الطلب
New project ( )	مشروع جديد
Existing project, requiring:	مشروع قائم يحتاج إلى:
Relocation ( )	تغيير موقع
Upgrading / modification ( )	تحديث / تعديل
Expansion ( )	توسيع

3. Owner	المالك
Full Name:	الاسم الكامل:
Address:	العنوان:
e-Mail:	بريد إلكتروني: P.O. Box:
Fax:	هاتف: Tel.:

4. Contact / Person in Charge	الشخص المسؤول
Ful Name::	الاسم الكامل:
Position	المسمى الوظيفي:
e-Mail:	بريد إلكتروني: Tel.:

5. Consultant	الاستشاري
Full Name:	الاسم الكامل:
Area of responsibility:	مجال المسؤولية:
Address:	العنوان:
e-Mail:	بريد إلكتروني: P.O. Box:
Fax:	هاتف: Tel.:
Contact / Person In-Charge:	اسم الشخص المسؤول:
Position:	المسمى الوظيفي:
e-Mail:	بريد إلكتروني: Tel.:

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<b>٦. مقدم الطلب</b> (If different from item 3 or 4 above)		<b>٦. مقدم الطلب</b> (إن اختلف عن البند ٣ أو ٤ أعلاه)	
Full Name:		الاسم الكامل:	
Position:		المسمى الوظيفي:	
Address:		العنوان:	
e-Mail:	بريد إلكتروني:	Tel.:	هاتف:
<b>٧. التكلفة التقديرية للمشروع (درهم)</b>			
<b>٨. المعلومات الفنية (حدد)</b> (أنظر التعليمات)			
In Part 2 of the application with attachments		( ) في الجزء الثاني من الطلب مع مرفقات	
In separate detailed report (s)		( ) في تقرير مفصل منفصل (أو أكثر)	
<b>PART 2 – TECHNICAL INFORMATION</b>			
<b>٩. الموقع المقترح / المتوقع</b>		<b>٩. الموقع المقترح / المتوقع</b>	
Zone / area:	المنطقة:	City:	المدينة:
Plot No.:	رقم القطعة:	Street:	الشارع:
Area allocated to the project (m <sup>2</sup> ):		المساحة الكلية المخصصة للمشروع (متر مربع):	
Built area:		مساحة البناء:	
Classification of project area:		تصنيف منطقة المشروع:	
Commercial ( )	تجارية	Industrial ( )	صناعية
Agricultural ( )	زراعية	Residential ( )	سكنية
Other-Specify ( )			أخرى-حدد
Distance (kilometers) to the nearest:		المسافة (كيلومتر) إلى أقرب:	
Residential area: ( )	منطقة سكنية:		
Agricultural area: ( )	منطقة زراعية:		
Water body or well: ( )	حوض مائي أو بئر:		
Available services and infrastructures – Check (x) and identify source:		توفر الخدمات والبنية التحتية – ضع علامة (x) وحدد المصدر:	
( ) Water supply:	إمدادات مياه:	( )	
( ) Electricity:	كهرباء:	( )	
( ) Sewerage:	صرف صحي:	( )	
( ) Housing:	وحدات سكنية:	( )	
( ) Paved roads:	طرق معبدة:	( )	
( ) Dirt roads:	طرق ترابية:	( )	
<b>١٠. الموقع الحالي</b> (Fill this part only if applying for relocation)		<b>١٠. الموقع الحالي</b> (يملأ هذا الجزء فقط في حالة طلب تغيير موقع)	
Zone / area:	المنطقة:	City:	المدينة:
Plot No.:	رقم القطعة:	Street:	الشارع:
Classification of project area:		تصنيف منطقة المشروع:	
Commercial ( )	تجارية	Industrial ( )	صناعية
Agricultural ( )	زراعية	Residential ( )	سكنية
Other-Specify ( )			أخرى-حدد



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### ١١. وصف المشروع / المنشأة

11. Project / Facility Description	

### ١٢. العمر المتوقع للمشروع

12. Expected Project Lifetime	
<b>Construction :</b> Starting Date: ( ) Duration: ( )	<b>البناء:</b> تاريخ البدء: ( ) الفترة: ( )
<b>Operation:</b> Starting Date: ( ) Expected lifetime: ( )	<b>التشغيل:</b> تاريخ البدء: ( ) العمر المتوقع: ( )
<b>Decommissioning/Demolition:</b> Period required ( )	<b>إيقاف التشغيل والإزالة:</b> الفترة اللازمة ( )

### ١٣. المخلفات (صلبة، سائلة، غازية، إلخ)

13. Wastes (Solid, Liquid, Gaseous, etc)	

### ١٤. الضوضاء

14. Noise	
Sources: المصادر:	
Maximum level at site boundary - dB(A): between 7 am and 8 pm: ( ) between 8 pm and 7 am.: ( )	المعدل الأقصى على حدود الموقع - dB(A): من ٧ صباحاً إلى ٨ مساءً: ( ) من ٨ مساءً إلى ٧ صباحاً: ( )
Methods proposed for noise minimization:	الطرق المقترحة لتقليل من الضوضاء:

## Permitting of Development and Infrastructure Projects in Abu Dhabi

<b>15. Other Types of Pollution</b>	<b>١٥. أنواع أخرى للتلوث</b>

<b>16. Hazardous Materials and Factors</b>	<b>١٦. المواد والعوامل الخطرة</b>

<b>17. Estimated Maximum Number of Employees</b>		<b>١٧. العدد الأقصى المتوقع للعاملين</b>	
<u>Operation Phase</u>	<u>مرحلة الإنتاج</u>	<u>Construction Phase</u>	<u>مرحلة الإنشاء</u>
Manager	مدير	Manager	مدير
Engineer	مهندس	Engineer	مهندس
Technician	فني	Technician	فني
Supervisor	مشرف عمال	Supervisor	مشرف عمال
Laborer	عامل	Laborer	عامل
Manpower distribution over work shifts:		توزيع العاملين على نوبات العمل:	

<b>18. Workers Safety and Emergency Plans</b>	<b>١٨. سلامة العاملين وخطط الطوارئ</b>

<b>19. Associated Future Developments</b>	<b>١٩. التطورات المستقبلية ذات العلاقة</b>

## Permitting of Development and Infrastructure Projects in Abu Dhabi

### 20. Permit General Conditions ٢٠. الشروط العامة للترخيص

The permit is given to the project / facility and location mentioned in the application. The Permit Holder shall:

- Notify EAD of any changes to the information in the application, and get prior approval from EAD before affecting any significant modifications in the future (e.g., location, processes / scope of work, characteristics of discharges).
- Observe applicable environmental laws / regulations and conditions / requirements set by EAD for each phase of the project (construction, operation, decommissioning), and in case of violation EAD can take appropriate legal action.
- Undertake adequate safety and security measures while carrying all activities, and notify EAD in case of emergencies or accidental releases to the environment.
- Maintain cleanliness and environment protection measures at premises, including provision of equipment/ methods/ arrangements for control of discharges and management of regular or hazardous wastes.
- Monitor emissions, discharges and wastes, keep records for 5 years at least, and submit periodical reports, as required by EAD.
- Remove any pollution and bear the full cost of cleanup and other environmental damages due to accidents or pollution caused by his activities.
- Contract environmental work (e.g., waste management, monitoring activities), only to environmental service providers licensed by EAD.
- Insure safe and unobstructed entry of EAD inspectors and enforcement officers to his premises at any time and without advance notice, to insure compliance with regulations and permit conditions through inspection, review of records, sampling, or other means.

يمنح الترخيص للمشروع / المنشأة والموقع الوارد في الطلب.  
وعلى صاحب الترخيص:

- إبلاغ الهيئة بأي تغييرات تمس المعلومات الواردة في الطلب، والحصول على موافقة مسبقة من الهيئة قبل تنفيذ أية تعديلات جوهرية في المستقبل (مثل الموقع، العمليات / نطاق العمل، خصائص الانبعاثات).
- الالتزام بالقوانين / الأنظمة البيئية النافذة وبشروط / متطلبات الهيئة لكل مرحلة من مراحل المشروع (الإنشاء، التشغيل، والإزالة)، وفي حال المخالفة يحق للهيئة اتخاذ الإجراءات القانونية المناسبة.
- توفير متطلبات الأمن والسلامة اللازمة في ممارسة كافة النشاطات، وإبلاغ الهيئة عند حدوث طوارئ أو انبعاثات مفاجئة في البيئة.
- الالتزام بالنظافة والمحافظة على البيئة في الموقع الخاص به، بما في ذلك توفير المعدات والوسائل والترتيبات اللازمة للتحكم في الانبعاثات وإدارة النفايات العادية والخطرة.
- الالتزام برصد الانبعاثات والنفايات وحفظ البيانات لمدة ٥ سنوات على الأقل وتقديم تقارير دورية، وذلك حسب متطلبات الهيئة.
- الالتزام بإزالة أي تلوث وتحمل كامل تكاليف التنظيف والأضرار البيئية الأخرى الناجمة عن الحوادث أو التلوث الذي تسببه نشاطاته.
- الالتزام بمنح عقود الأعمال البيئية (مثل إدارة النفايات، أو رصد الانبعاثات) إلى مزاولي خدمات بيئية مرخصين من قبل الهيئة.
- الالتزام بتسهيل وتأمين دخول مفتشي الهيئة ومسؤولي الضبط القضائي إلى موقع المنشأة في أي وقت وبدون إشعار مسبق، وذلك للتأكد من الالتزام بالقوانين وبشروط الترخيص من خلال التفيتش، فحص السجلات، جمع العينات، أو غير ذلك من طرق.

### 21. Declaration ٢١. إقرار

## Permitting of Development and Infrastructure Projects in Abu Dhabi

I, the undersigned, being the owner / manager of the project, hereby declare that all information in this application and in provided project documents are true and accurate, that I will be responsible for any consequences of them, that I am aware of the general conditions mentioned in Section 20 and will abide by them and by all relevant regulations, conditions, instructions and guidelines to avoid legal action in case of violations, and that I authorize Project Applicant to follow up all transactions related to the project

Full Name:

Position / Title:

Signature:

Date:

Stamp

أنا الموقع أدناه، صاحب/ مدير المشروع، أقر بأن جميع المعلومات الواردة في هذا الطلب وفي وثائق المشروع المقدمة من قبلي صحيحة، وأتحمل جميع النتائج المترتبة عليها، وأقر أنني اطلعت على الشروط العامة الواردة في البند ٢٠، وأتعهد بالالتزام بها وبالقوانين والشروط والتعليمات والإرشادات البيئية ذات العلاقة تحت طائلة العقوبة في حال المخالفة، وأفوض مقدم المشروع بمتابعة كافة المعاملات المتعلقة بالمشروع.

الاسم الكامل:

المسمى الوظيفي / الصفة:

التوقيع:

التاريخ:

الختم

## Permitting of Development and Infrastructure Projects in Abu Dhabi

### Instructions

(Please review all instructions before filling the application)

### التعليمات

(يرجى الاطلاع على كافة التعليمات قبل تعبئة الطلب)

Applicants must complete Part 1 of the form before submitting the application to EAD. Submission of required relevant information and documents (as specified below) must be completed within one month of submitting the application to EAD.

١. على مقدمي الطلبات استيفاء بيانات الجزء الأول من الاستمارة قبل تقديم الطلب إلى الهيئة. ويجب استكمال المعلومات والوثائق اللازمة ذات العلاقة (حسب ما هو مبين أدناه) خلال فترة لا تتجاوز الشهر من تسليم الطلب للهيئة.

The following documents must be submitted with the application:

٢. الوثائق التالية يجب تقديمها مع الطلب:

2-1 A letter to EAD, either from project proponent or a government body responsible for industrial, commercial or professional permitting

١-٢ كتاب إلى الهيئة، إما من الجهة صاحبة المشروع أو جهة حكومية مسؤولة عن الترخيص الصناعي أو التجاري أو المهني.

2-2 Proof of the legal status of any company / establishment submitting the application directly to EAD (e.g., decree / contract of establishment, Membership of the Chamber of Commerce and Industry).

٢-٢ إثبات الوضع القانوني لأي شركة أو مؤسسة تقدم بالطلب مباشرة للهيئة (مثلاً، مرسوم / عقد التأسيس، شهادة عضوية غرفة التجارة والصناعة).

2-3 Signature authorization for the applicant in case of individually owned or non-share companies.

٣-٢ اعتماد توقيع مقدم الطلب في حالة الشركات الفردية أو غير المساهمة.

2-4 Letter from project proponent delegating the individual / body submitting the application and receiving the permit, with the individual's ID.

٤-٢ كتاب من صاحب المشروع لتحويل المسؤول عن تسليم الطلب واستلام الرخصة، سواء كان فرداً أو جهة، مع إثبات هوية الفرد.

Each project must submit information covering as much as relevant of the items mentioned below. This information may be recorded entirely within Part 2 of the application form, attached partly in the form of tables and diagrams, or attached entirely in the form of separate report(s). The format used for submitting the information should be specified in item (8) of the form.

٣. على كل مشروع تقديم معلومات تغطي أقصى قدر يتعلق به من البنود الواردة أدناه. وهذه المعلومات يمكن تدوينها بالكامل في الجزء الثاني من استمارة الطلب، أو ترفق جزئياً بشكل جداول ومخططات، أو ترفق بالكامل بشكل تقرير أو تقارير منفصلة. وتحدد طريقة تقديم المعلومات في البند (٨) من الاستمارة.

#### 3-1 Location:

#### ١-٣ الموقع:

• Proposed plant location, area, classification (industrial, agricultural, etc.), surrounding areas and their uses, availability of services and infrastructures, buildings on site, and hazardous materials storage facilities.

• الموقع المقترح للمشروع، ومساحته، وتصنيفه (صناعي، زراعي، إلخ)، والمناطق المحيطة به واستخداماتها، وتوفر الخدمات والبنية التحتية، ومباني الموقع، ومواقع تخزين أية مواد خطرة.

• Detailed site map(s) of appropriate scale.

• خريطة / خرائط مفصلة للموقع بمقياس رسم مناسب.

• Proof of land allocation / reservation for the project, or equivalent (e.g., copy of certificate from the Town Planning Dept., copy of rental agreement, or letter from the General Industry Corporation).

• إثبات تخصيص / حجز أرض للمشروع أو ما يعادله (مثلاً: صورة شهادة من دائرة تخطيط المدن، أو صورة عقد إيجار، أو رسالة من المؤسسة العامة للصناعة).

#### 3-2 Project Description:

#### ٢-٣ وصف المشروع:

• Process flow diagram showing inputs of raw materials, and exits of primary and secondary products and wastes.

• مخطط توضيحي للعمليات، ومداخل المواد الأولية، ومخارج المنتجات الرئيسية والثانوية والمخلفات.

• Details of processes and equipment used.

• تفاصيل العمليات والآلات المستخدمة.

• Raw materials used, their chemical composition, consumption rates, sources (local, imported), and means of transport and storage.

• المواد الخام المستخدمة، ومكوناتها الكيميائية، ومعدلات استهلاكها، ومصادرهما (محلي، مستورد)، وطرق النقل والتخزين.

## Permitting of Development and Infrastructure Projects in Abu Dhabi

- مصادر المياه ومعدلات الاستهلاك.
  - مصادر الطاقة (وقود، كهرباء)، ومعدلات إنتاجها / استهلاكها، وأنواع وخصائص الوقود المستخدم والكميات القصوى المخزنة منه.
  - المنتجات الرئيسية والثانوية، والطاقة التصميمية، ومعدلات الإنتاج الفعلية، وطرق التخزين والنقل.
  - فترات ومواعيد التشغيل.
  - العمر المتوقع للمشروع (إنشاء، تشغيل، إزالة).
  - Expected project lifetime (construction, operation, decommissioning).
- 3-3 Wastes, Emissions and Pollution**
- Types of wastes and emissions (liquid, solid, gaseous; hazardous, non-hazardous, industrial or other types of wastes; noise; odors; etc), their characteristics, sources, and mean and maximum production rates.
  - Proposed methods for minimization, control or treatment, with explanatory diagrams and information on efficiency of these methods.
  - Means of storage and transport of liquid and solid wastes, means / locations / points of final disposal, and characteristics of receiving locations.
  - Number of stacks, their heights, diameters, discharge rates and velocities, and prevailing wind direction.
  - Monitoring systems, equipment, and parties performing it.
- 3-3 المخلفات والانبعاثات والتلوث**
- أنواع المخلفات والانبعاثات (مخلفات سائلة، صلبة، غازية، خطرة، غير خطرة، صناعية، أو غيرها، أو ضوضاء، أو روائح، إلخ)، وخصائصها، ومصادر ها، ومعدلات إنتاجها المعتدلة والقصوى.
  - الوسائل المقترحة للتقليل أو التحكم أو المعالجة، مع مخططات توضيحية ومعلومات حول كفاءة هذه الوسائل.
  - وسائل تخزين ونقل النفايات السائلة والصلبة، وطرق / مواقع / نقاط التخلص النهائي، وخصائص المواقع المستقبلية.
  - عدد المداخل وأقطارها ومعدلات وسرعة الانبعاث، والاتجاه السائد للرياح.
  - نظم ومعدات المراقبة والجهات المنفذة لها.
- 3-4 Hazardous Materials and Conditions**
- Hazardous chemicals and materials used, produced or stored on site, storage locations, and material safety data sheets for each.
  - Other hazardous activities and factors.
- 3-4 المواد والعوامل الخطرة**
- الكيماويات والمواد الخطرة المستخدمة أو الناتجة أو المخزنة في الموقع، ومواقع التخزين، وبيانات السلامة لكل منها.
  - النشاطات والعوامل الأخرى الخطرة.
- 3-5 Safety of Workers and Emergency Plans**
- Number of workers, their categories, and work shifts.
  - Procedures / programs / instructions for protection of workers and handling of hazardous materials.
  - Contingency and medical evacuation plans.
- 3-5 سلامة العاملين وخطط الطوارئ**
- أعداد العاملين وفئاتهم ونوبات العمل.
  - إجراءات / برامج / تعليمات الحفاظ على سلامة العاملين والتعامل مع المواد الخطرة.
  - خطط مكافحة الطوارئ والإخلاء الطبي.
- 3-6 Associated Future Developments**
- Future expansions / development plans for the project or site itself.
  - Off-site developments induced by the project (e.g., housing for workers, recreational facilities, new roads, and water treatment plants).
  - Off-site ancillary industries induced by the project (e.g., to process its by-products).
- 3-6 التطورات المستقبلية ذات العلاقة**
- توسعات / خطط تطوير مستقبلية للموقع أو المصنع نفسه.
  - تطورات قد يسببها المشروع خارج الموقع المخصص له (مثل إسكان للعاملين، مرافق ترفيهية، طرق جديدة، محطات تنقية مياه).
  - صناعات تكميلية قد يعجل بها المشروع خارج موقعه (مثلا، لمعالجة نواتجه الثانوية).

## Permitting of Development and Infrastructure Projects in Abu Dhabi

### For Official Use للاستعمال الرسمي

الفهرز Screening	
<input type="checkbox"/> Approve Application CEP No.:	<input type="checkbox"/> موافقة على الطلب رقم رخصة الإنشاء:
<input type="checkbox"/> Request PER	<input type="checkbox"/> طلب دراسة أولية لتقييم الأثر البيئي
<input type="checkbox"/> Request full EIA study	<input type="checkbox"/> طلب دراسة كاملة لتقييم الأثر البيئي
<input type="checkbox"/> Reject Application Reason in brief:	<input type="checkbox"/> رفض الطلب السبب بإيجاز:
Signature & Date:	Name: الاسم:
Signature & Date:	PNPS Head رئيس القسم:

المتابعات Follow up	
PER Received on:	الدراسة البيئية الأولية استلمت بتاريخ:
TORs requested on :	الشروط المرجعية طلبت بتاريخ:
TORs Received on :	الشروط المرجعية استلمت بتاريخ:
TORs Accepted on :	موافقة على الشروط المرجعية بتاريخ:
EIA Report Received on :	تقرير الأثر البيئي استلم بتاريخ:

القرار النهائي Final Decision	
<input type="checkbox"/> Approve Application CEP No.:	<input type="checkbox"/> موافقة على الطلب رقم رخصة الإنشاء:
<input type="checkbox"/> Reject Application Reason in brief:	<input type="checkbox"/> رفض الطلب السبب بإيجاز:
Signature & Date:	Name: الاسم:
Signature & Date:	PNPS Head رئيس القسم:



## Permitting of Development and Infrastructure Projects in Abu Dhabi

### 5.3 Flow Charts for Environmental Permitting Process for New Development and Infrastructure Projects

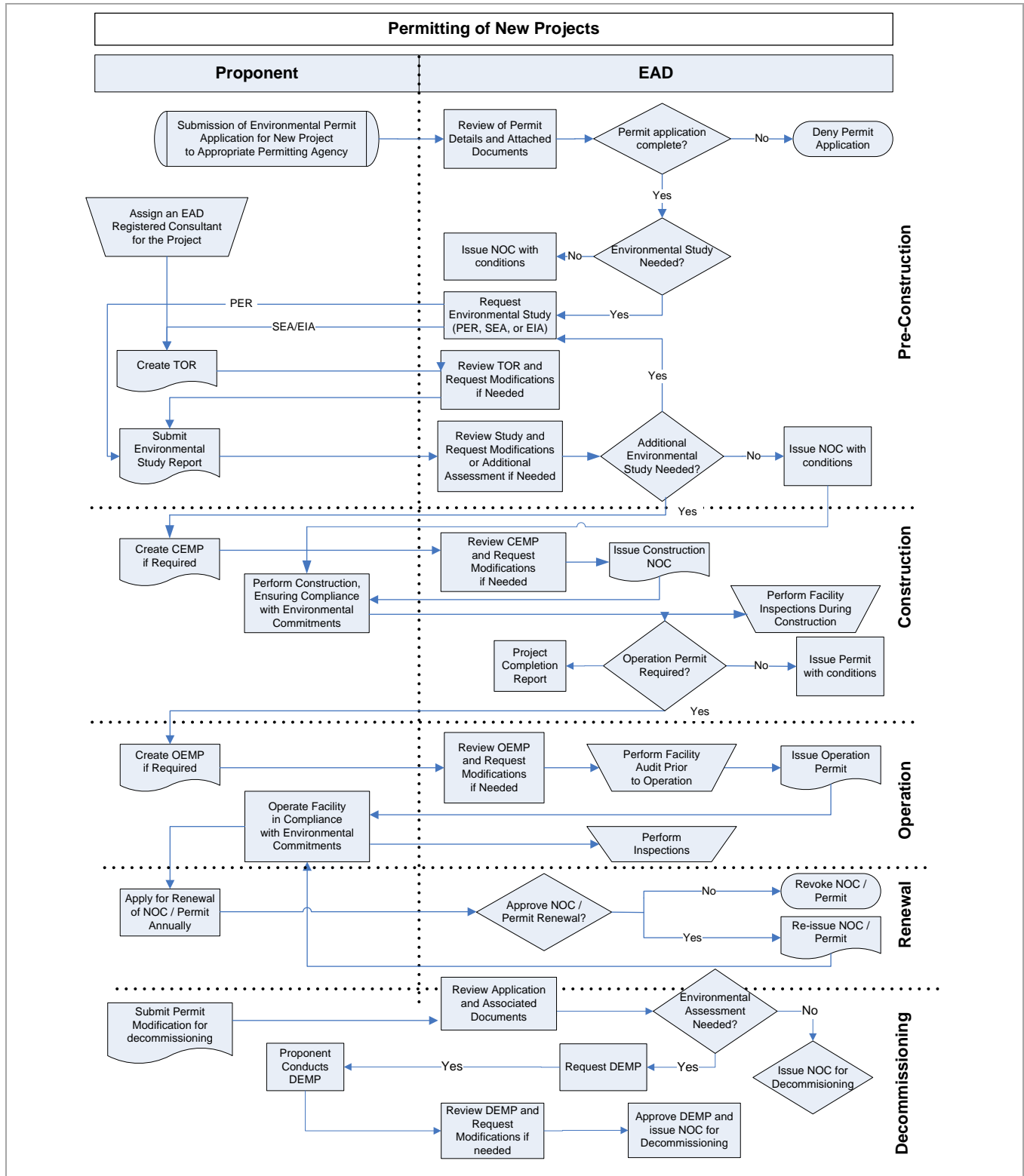


Figure 1. Permitting of new development and infrastructure projects.

## Permitting of Development and Infrastructure Projects in Abu Dhabi

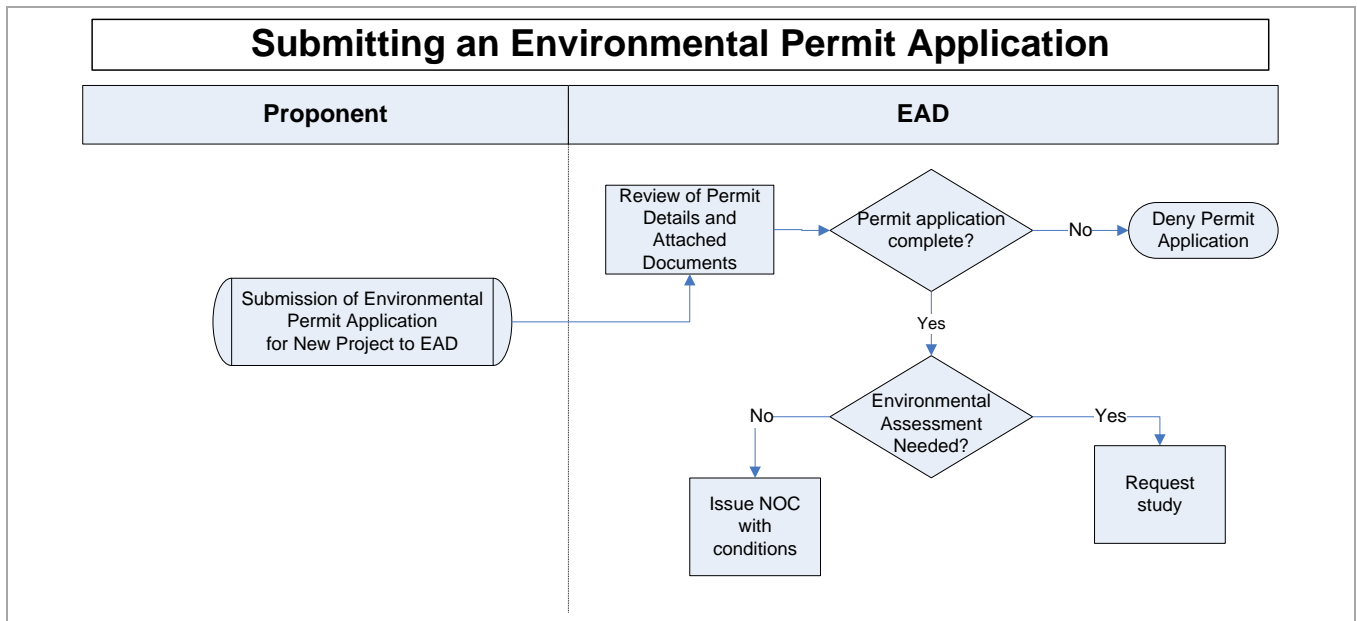


Figure 2. The process for submitting an environmental permit application.

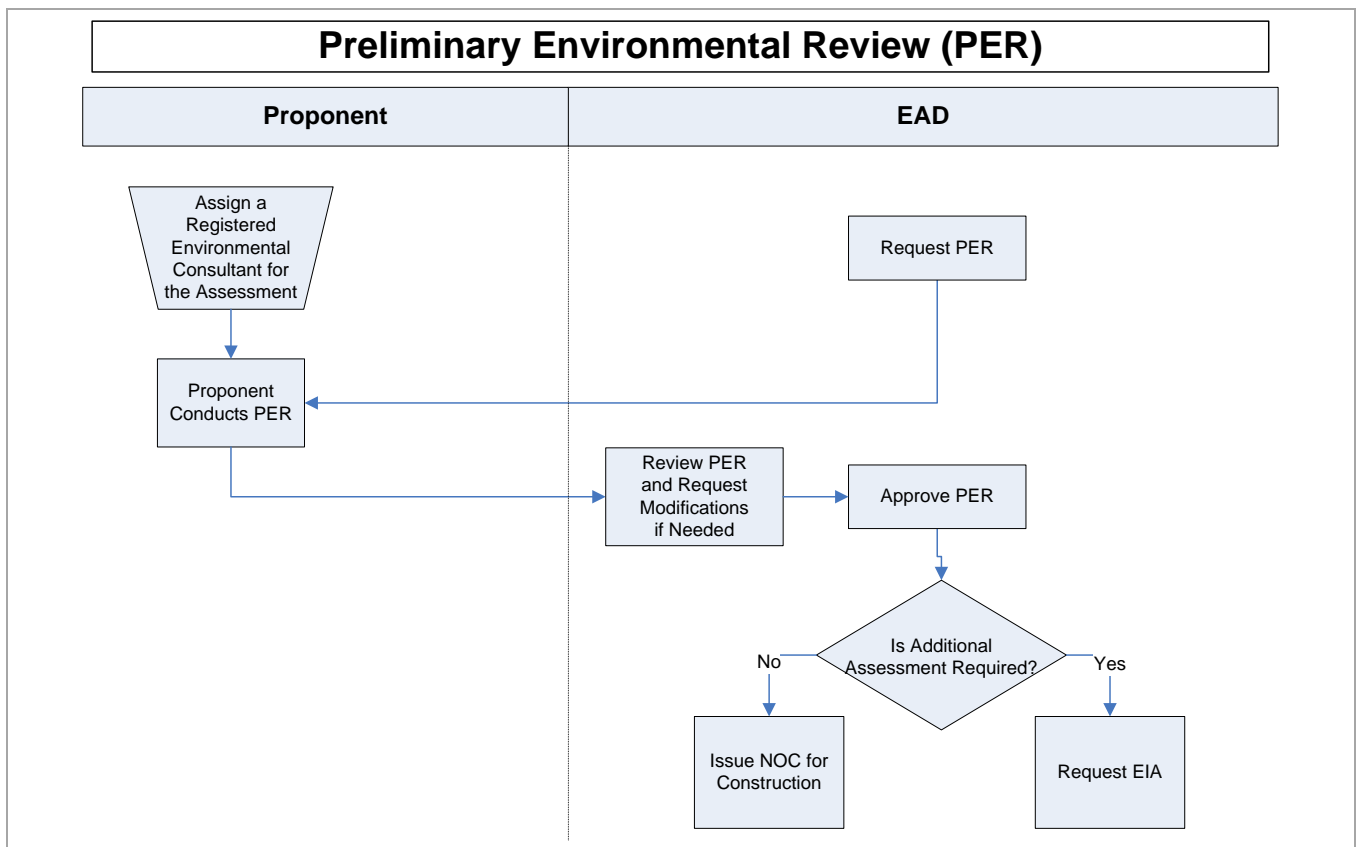


Figure 3. The process for conducting a Preliminary Environmental Review.

## Permitting of Development and Infrastructure Projects in Abu Dhabi

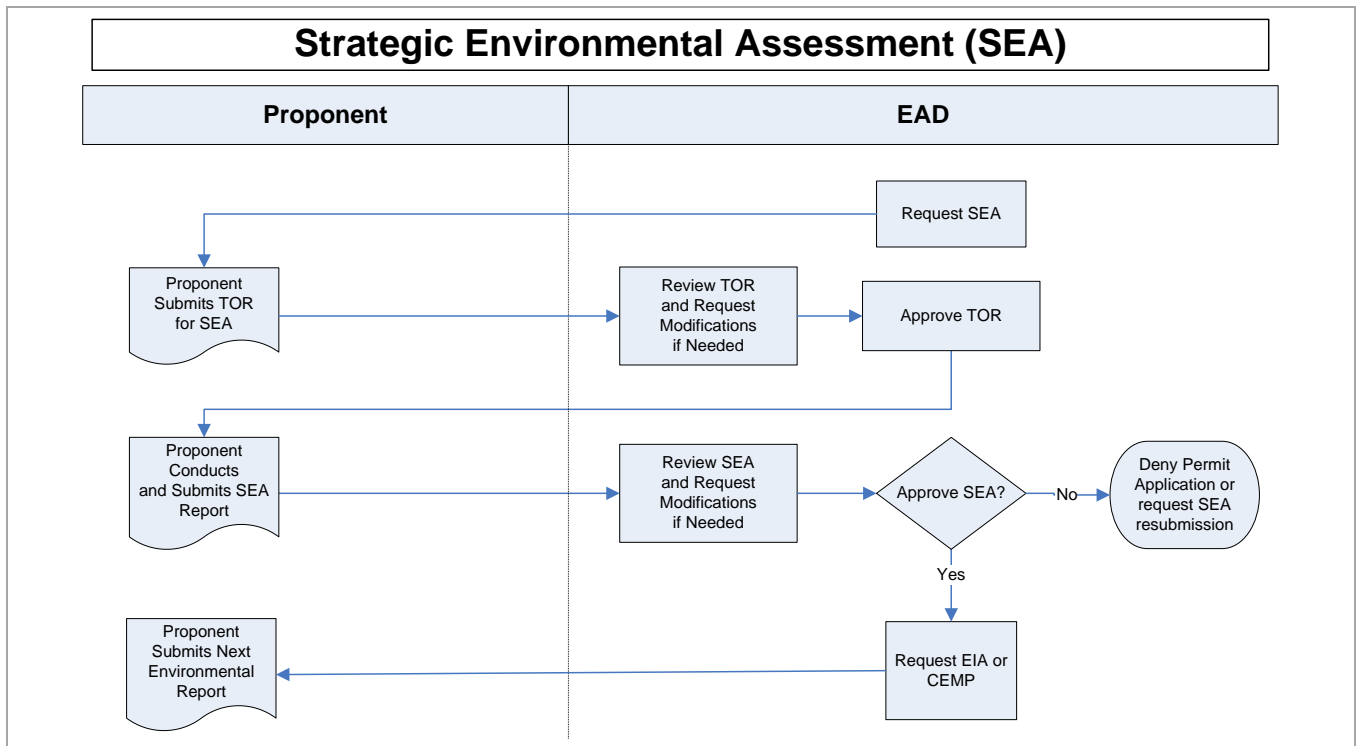


Figure 4. The process for conducting a Strategic Environmental Assessment.

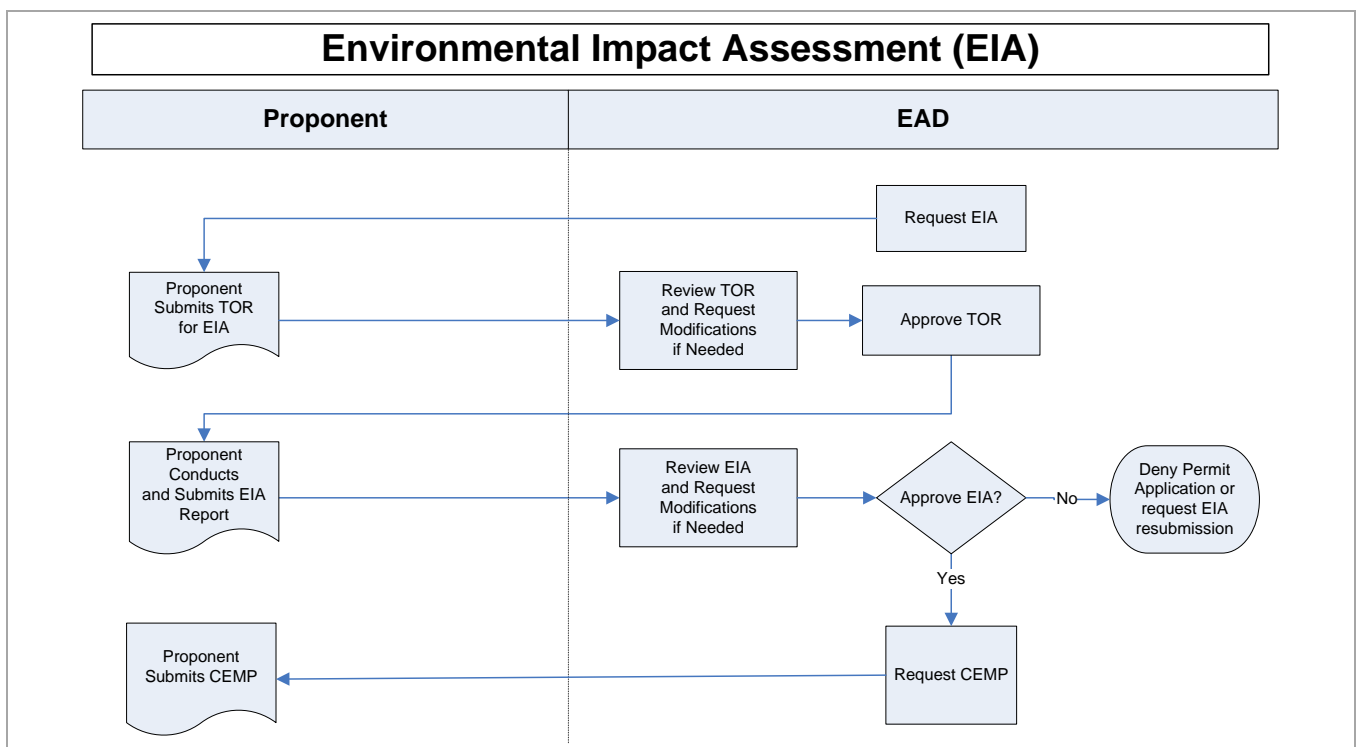


Figure 5. The process for performing an Environmental Impact Assessment.

## Permitting of Development and Infrastructure Projects in Abu Dhabi

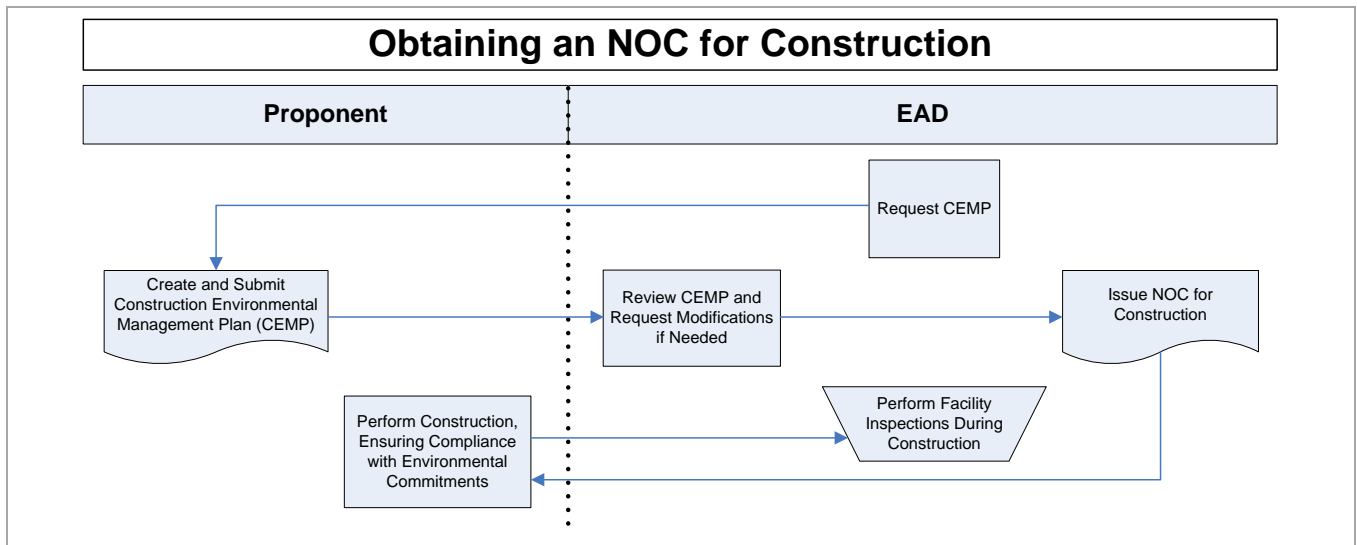


Figure 6. The process for obtaining an NOC for construction.

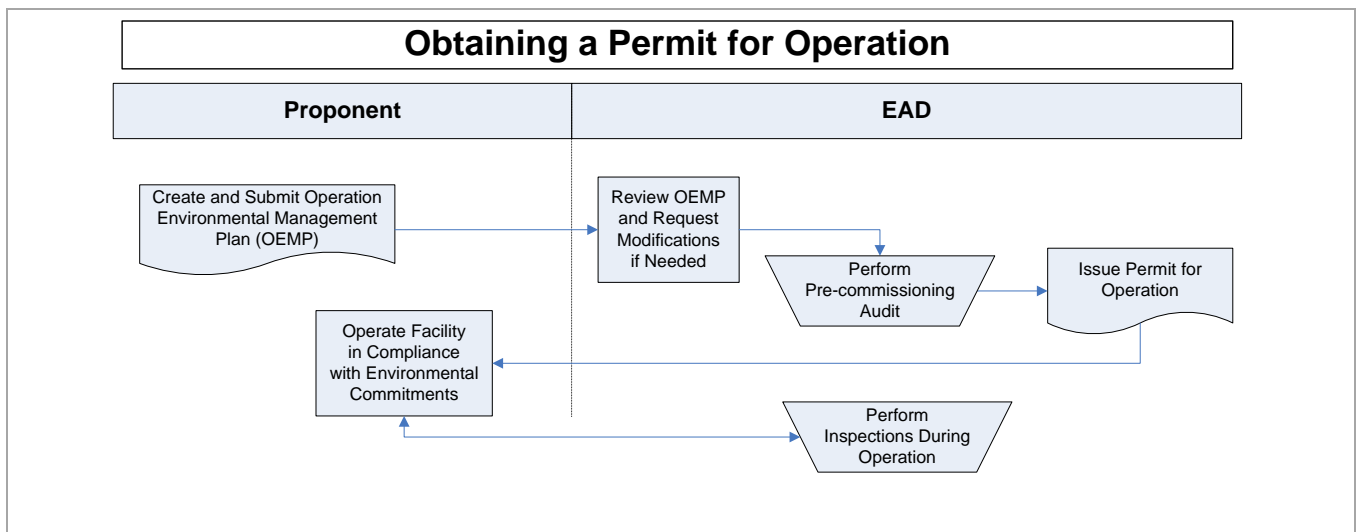


Figure 7. The process for obtaining an operating permit.

## Permitting of Development and Infrastructure Projects in Abu Dhabi

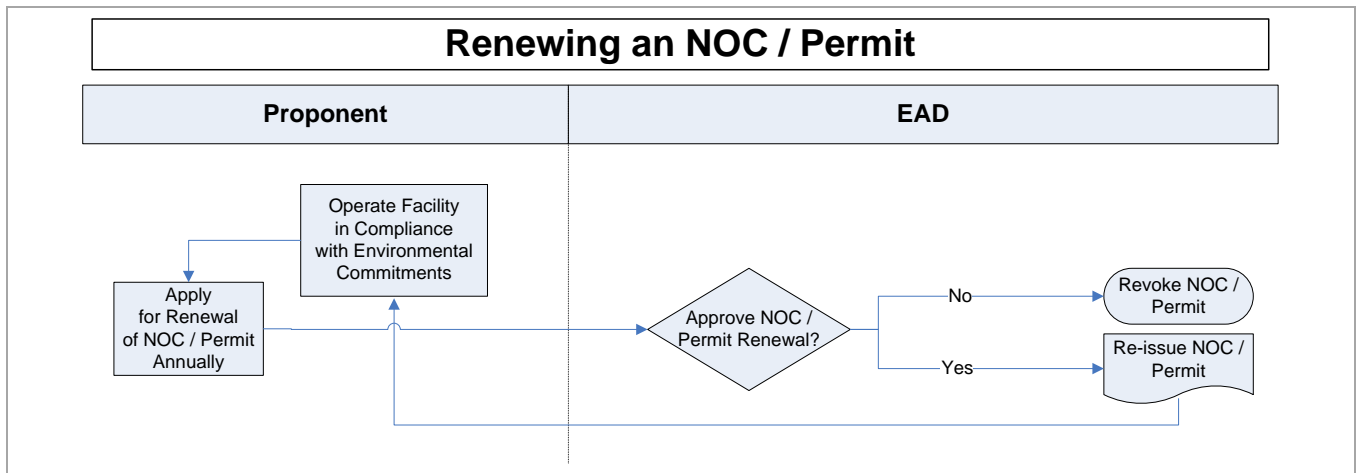


Figure 8. The process for renewing an NOC for construction or an operating permit.

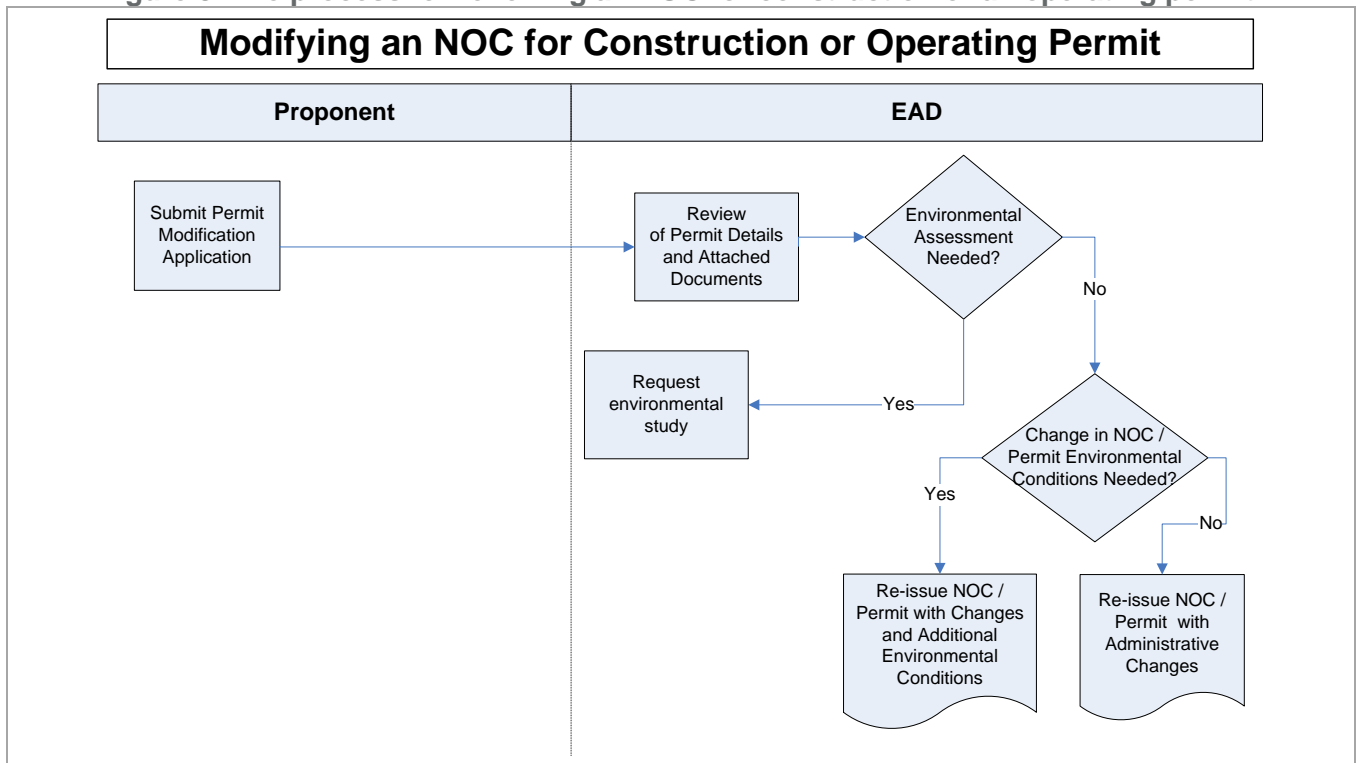
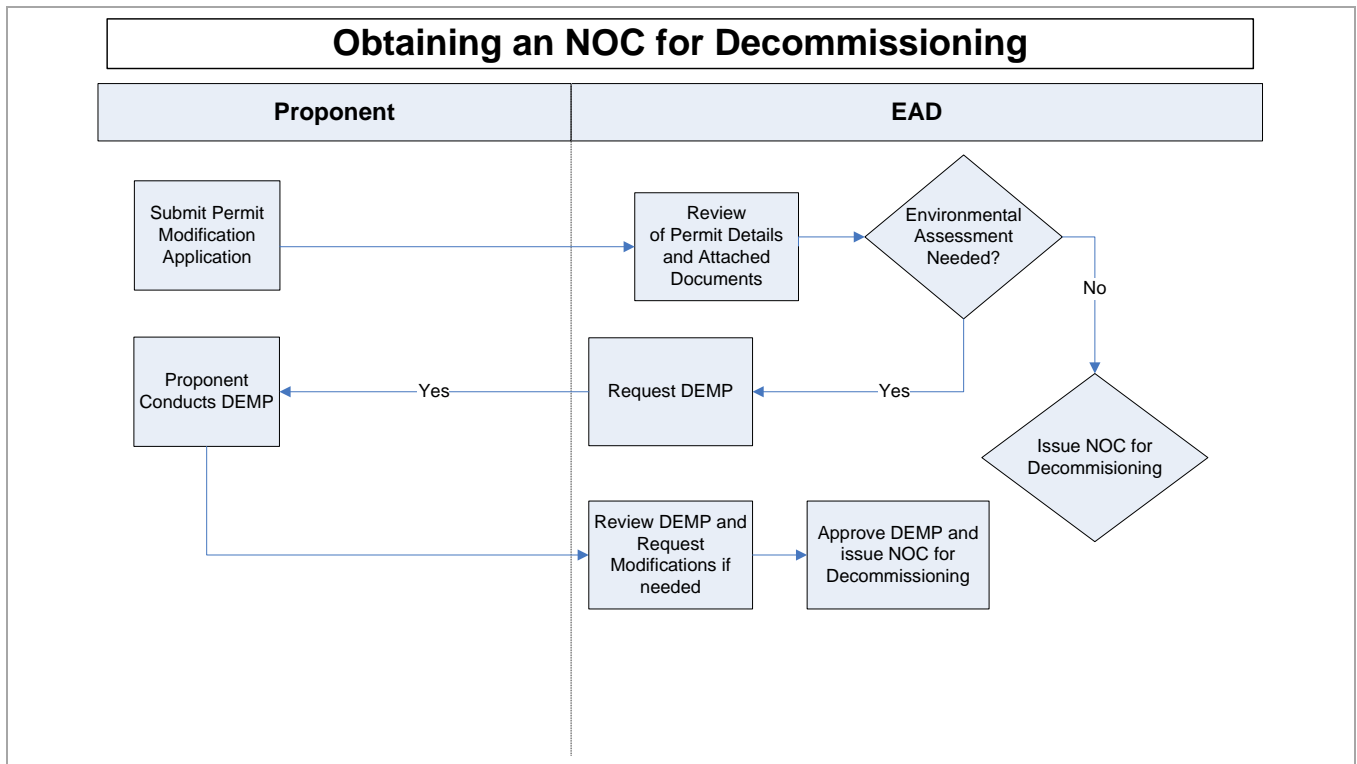


Figure 9. The process for modifying an NOC for construction or operating permit.

## Permitting of Development and Infrastructure Projects in Abu Dhabi



**Figure 10. The process for decommissioning and rehabilitation.**

## Permitting of Development and Infrastructure Projects in Abu Dhabi

### Document Change History

Doc. No.	Rev. No.	Rev. Date	Revision Description	Page No.	Approved by
EAD-EQ-PCE-SOP-02	00	11 October 2011	First Issue		SG
EAD-EQ-PCE-SOP-02	01	14 April 2014	Reformat document and add abbreviations	All	SG
Remarks:					



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