

**Notification of the Ministry of Natural Resources and Environment**  
on Rules and Procedure in Providing an Implementation Report of Measures Required in the  
Environmental Impact Assessment Report Which the Operator or Person Asking for Permission Shall  
Provide When Granted Permission to Proceed With the Project or Undertaking  
B.E. 2561

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As it is appropriate to stipulate rules and procedure in providing an implementation report of measures required in the environmental impact assessment report, which the operator or person asking for permission shall provide, when granted permission to proceed with the project or undertaking in order to monitor environmental impacts and develop the environmental impact assessment system,

Under the power of Section 51/5, paragraph one, of the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 as amended by the Enhancement and Conservation of National Environmental Quality Act (No. 2) B.E. 2561, the Minister of Natural Resources and Environment, with the National Environmental Board's approval, notifies the followings herewith:

**No. 1:** In this Notification:

“project or undertaking” means a project, undertaking, or operation of the State or which the State will grant permission that is required to provide an environmental impact assessment report as specified in the Minister's notification with the National Environmental Board's approval;

“amendment report of a project or undertaking” means an environmental impact assessment report that is amended or adjusted on details, technology, environmental impact prevention and correction measures, and environmental impact monitoring measures or on persons responsible for implementing measure, to differ from those previously approved by the expert committee, but not including changing name of the project or undertaking without changing other details;

“implementation report of measures” means an implementation report of measures required/specified in the environmental impact assessment report and/or amendment report of a project or undertaking, with which the operator, person asking for permission, or chief or acting chief of the state agency responsible for the project or undertaking, is granted permission to proceed;

“permission to proceed with a project or undertaking” means an act that an official with a legal power, chief or acting chief of the state agency responsible for the project or undertaking, or the Cabinet, authorizes operation of a project or undertaking, on the date specified in a document permitting the operator or person asking for permission to proceed with construction and operation of a project or undertaking that is required to provide an environmental impact assessment report, or a date that chief or acting chief of the state agency responsible for a project or undertaking, or the Cabinet, authorizes operation of the project or undertaking. This shall include the date on which an amendment to the project or undertaking is authorized or granted permission.

“expert committee” means those persons appointed or approved by the National Environmental Board to perform duties in considering environmental impact assessment reports, both in general and in specific areas such as the Bangkok area, other provinces, or the areas required to apply environmental protection measures;

“measures” means environmental impact prevention and correction measures, and/or environmental impact monitoring measures in any one or all aspects that are approved, provided opinions, or recommended by the expert committee or the National Environmental Board;

“third party” means a juristic person with a purpose of providing advice on environment; who is granted a license to provide environmental impact assessment reports under the law on enhancement and conservation of national environmental quality; who is registered as a private analytical laboratory under the law on factories; or who is an educational institution having courses or

curriculum on environment. Such person shall not have any interests with the operator, person asking for permission, or state agency responsible for the project or undertaking, in proceeding with the project or undertaking that is provided an environmental impact assessment and/or an amendment report of that project or undertaking.

**No. 2:** An operator, person asking for permission, or chief or acting chief of the state agency responsible for a project or undertaking, shall submit an implementation report of measures as a document, along with information, in electronic files recorded on equipment in a format required by the Office of Natural Resources and Environmental Policy and Planning, to the following state agency:

(1) the state agency with a legal power to grant permission to proceed with the project or undertaking which is the main activity required to provide an environmental impact assessment report at the office of such state agency; or

(2) the Office of Natural Resources and Environmental Policy and Planning for projects or undertakings of a state agency or a state agency in cooperation with a private sector under a law, whether or not the Cabinet's approval is required. This shall be the case only for projects or undertakings without any agency with a legal power to grant permission.

**No. 3:** Frequency of and exceptions to submission of implementation reports of measures under No. 2 shall be pursuant to the followings:

(1) in case where the expert committee specifies a period of implementing measures as once a year, a report of measure implementation taken from January to December shall be submitted in January of the next year;

(2) in case where the expert committee specifies a period of implementing measures as twice a year, a report of measure implementation taken from January to June shall be submitted in July and of the implementation taken from July to December shall be submitted in January of the next year;

(3) in case where the expert committee does not specify a period for implementing measures, a report of measure implementation shall be submitted pursuant to (2);

(4) in case where a project or undertaking starts its operation during the construction period, operation period, or the period as indicated in the environmental impact assessment report and/or amendment report of the project or undertaking, which overlaps the period of submission of an implementation report of measures, the followings shall be proceeded:

4.1) in case where the measure clearly specifies a period of monitoring environmental quality, environmental quality shall be measured in the period indicated. If it is found that any parameter required to measure exceeds the threshold specified in the environmental impact assessment report and/or amendment report of the project or undertaking and/or exceeds the relevant standards, an implementation report of measures shall be submitted as required in (1) or (2) as the case may be;

4.2) in case where, in environmental quality measurement under 4.1), no parameter exceeds the threshold specified in the environmental impact assessment report and/or amendment report of the project or undertaking and/or no parameter exceeds the relevant standards, submission of that implementation report of measures in that round, shall be postponed and those measurements shall be accumulated in a report to be submitted in the next round pursuant to (1) or (2) as the case may be. All of these shall be clearly separated and the reasons for taking this action shall be indicated in the report;

4.3) in case where the measure does not clearly specify a period of monitoring environmental quality, submission of that implementation report of measures in that round shall be postponed and shall be included for the next-round submission pursuant to (1) or (2) as the case may be. All of these shall be clearly separated and the reasons for taking this action shall be indicated in the report;

(5) in case where an implementation report of measures cannot be submitted within the period specified in (1) or (2), a letter shall be sent to notify the state agency under (2), as the case may be, within the last day of each specified round of submission. Reasons and necessities shall be indicated to explain why a report cannot be submitted within the time period which is a problem or obstacle from the process of providing a report. This notifying letter shall be deemed a request to extend the period for report submission. The state agency under (2) shall extend the period for report submission only one time for 30 days from the date the government agency affixes its seal indicating a complete receipt of the documents

**No. 4:** The operator, person asking for permission, or chief or acting chief of the state agency responsible for the project or undertaking, shall submit an implementation report of measures with the details pursuant to No.5 under the following procedure:

(1) submitting the implementation report of measures as a document, along with information, in electronic files recorded on equipment in a format required by the Office of Natural Resources and Environmental Policy and Planning in a sufficient quantity to submit to the state agency in No. 2 (1) or (2) as the case may be;

(2) submitting the implementation report of measures into the electronic system of the Office of Natural Resources and Environmental Policy and Planning within the submission periods for each project type as follows:

2.1) industry, petrochemical industry, oil refinery, and energy within July and January of the next year, as the case may be;

2.2) transportation, mining, and petroleum exploration within August and February of the next year, as the case may be;

2.3) community services and residences, water resource development, and agriculture within September and March of the next year, as the case may be.

(3) in case where owner of the project or undertaking assigns a consulting firm to submit the implementation report of measures, a power of attorney shall also be presented in the report submission.

**No. 5:** Providing an implementation report of measures shall be in accordance with the rules and procedure specified and shall contain details not less than those attached to this Notification as follows:

(1) In case where the operator, person asking for permission, or state agency responsible for the project or undertaking, has sufficient competency, it then may provide such implementation report of measures by itself. However, analysis of environmental quality samples shall be conducted by a state analytical laboratory which does not belong to the state agency responsible for the project or undertaking, a private analytical laboratory registered with a state agency with a legal power, or an environmental analytical laboratory certified its standard by a state agency or by an organization/institution internationally accredited in laboratorial result certification and assessment. Alternatively, a third party may be employed to provide a report on its behalf.

(2) Format of front cover of the implementation report of measures shall consist of name and owner of the project or undertaking and his/her contact address and telephone number; provider of the implementation report of measures and his/her contact address and telephone number; month and year (B.E.) when the report is provided; and a certificate of providing the report as well as a name list of providers of the report pursuant to TT1 Form;

(3) Format and feature of the implementation report of measures shall consist of brief details of the project location (map and (color) illustrations), and general operation, with clearly indicating the current situation, comparing real outcome from the operation with findings of the environmental impact assessment, area use (land use in the project), background of providing the

environmental impact assessment report and/or amendment report of a project or undertaking, and the time the expert committee or the National Environmental Board gives approval, renders opinions, or makes a recommendation, plan for measure implementation as specified in the environmental impact assessment report and/or amendment report of a project or undertaking pursuant to TT2 Form;

(4) Format and feature of providing as well as explanation of the implementation report of measures shall be pursuant to TT3 Form. There shall also be examples of reporting measurements of: air quality in the atmosphere, wind directions and average speed in every hour with wind rose; quality of the air released from a flue; air quality in the place of operation; vibration; wastewater, surface water, underground water, and sea water quality; plant and animal planktons and benthic animals; sound level in a community; sound level, intensity of light, and heat level in the place of operation; as well as reports of annual physical examinations and of accident statistics summary. All of these shall be pursuant to TT4-TT19 Forms;

(5) Format and feature of providing as well as explanation of summary of measure implementation shall be as follows: 1) summary of implementation of environmental impact prevention and correction measures, indicating which measures are not implemented, cannot be implemented, can be implemented but inefficiently, and not up to the time of implementation, along with reasons and guidelines or implementation plan to resolve those problems/obstacles; 2) summary of results of monitoring environmental impacts that tend to be inconsistent with requirements in the environmental impact assessment and/or amendment report of the project or undertaking and/or standard values; or the results are inconsistent with requirements in the environmental impact assessment and/or amendment report of the project or undertaking and/or standard values. If they do not satisfy requirements in the environmental impact assessment report and/or amendment report of the project or undertaking and/or standard values, causes shall be analyzed and resolutions shall be determined. Measurement results according to the environmental impact monitoring measures shall be demonstrated in a format of comparison tables and charts showing measurements over a period of at least three years back, and; 3) summary of issues on measures that have been implemented with improvement and adjustment because the actions taken in the past could completely prevent and correct environmental impacts or those measures are no longer necessary to implement. Recommendations for additional measures and different information to sufficiently support shall also be submitted. If the operation, person asking for person, or state agency responsible for the project or undertaking, wants to adjust any one environmental measure or practice, it shall submit details of changes and assessment of additional impacts to the expert committee to consider the environmental impact assessment report or to an agency with a legal power to provide authorization or permission, as the case may be. Changing measures shall be approved before taking further actions or practices.

(6) Format and feature of providing annexes shall demonstrate the documents in the report, namely, copy of an approval for the project or undertaking with attached measures required as conditions for the project or undertaking to implement; copy of permission to the request for changing details of the project or undertaking or measures (if any); charts or (color) illustrations that are up-to-date, along with descriptions for each measure implemented or documents relating to measure implementation; photographs of equipment and tools used for sample collection to test environmental quality; copy of permission or registration for a private analytical laboratory; copy of analytical results from the laboratory; complaints against implementation of the project or undertaking (if any), and other reference documents.

**No. 6:** The state agency under No. 2 (1) shall compile a implementation report of measures within 60 days from the date of receipt of such report in order to be submitted to the following state agency:

(1) Provincial Office of Natural Resources and Environment, if the project or undertaking is located in such province. If the project or undertaking required to be granted permission from a state agency in the area, overlaps more than one province, the implementation report of measures shall be submitted to the Provincial Office of Natural Resources and Environment that is the location as indicated in the environmental impact assessment report and/or amendment report of a project or undertaking;

(2) Office of Natural Resources and Environmental Policy and Planning, if the project or undertaking is located in Bangkok.

For the project or undertaking which is required permission from more than one state agency with a legal power to grant permission, the state agency with a legal power to grant permission for operation shall submit the implementation report of measures, and/or any project or undertaking contains different types of operation and each type is a project or undertaking required to provide an environmental impact assessment report as part of permission request, the state agency with a legal power to grant permission for the main operation shall submit the implementation report of measures.

For the project or undertaking for which a state agency is responsible or in case where the project or undertaking for which a state agency cooperates with a private sector under a law, whether or not the Cabinet's approval is required, and the project or undertaking does not have any agency with a legal power to grant permission, each state agency that has responsibilities in the project or undertaking, shall submit the implementation report of measures to the Office of Natural Resources and Environmental Policy and Planning.

In case where granting permission or renewing a license for a project or undertaking which is required permission from a state agency, the state agency under No. 2 (1) shall use the implementation report of measures to be conditions in granting permission or renewing a license pursuant to Section 51/3, paragraph two.

The state agency under No. 2 (1) shall gather names of persons requesting for extension in submitting the implementation report of measures and names of persons failing to submit implementation reports of measures with reasons indicated (if any) within 30 days from the end date of the report submission round to the Office of Natural Resources and Environmental Policy and Planning. This information shall be proposed for conducting case settlement under Sections 101/2 and 110/2, paragraph two.

**No. 7:** The Provincial Office of Natural Resources and Environment shall use the implementation report of measures to resolve environmental problems arising from proceeding with the project or undertaking and to develop the environmental impact assessment system in its area, whether or not the Provincial Office of Natural Resources and Environment has been assigned to perform duties on behalf of the Office of Natural Resources and Environmental Policy and Planning to consider the environmental impact assessment report under Section 50, paragraph five. The Office of Natural Resources and Environmental Policy and Planning shall use findings of the implementation report of measures, specified in the environmental impact assessment report and/or the amendment report of the project or undertaking, to resolve environmental problems arising from proceeding with the project or undertaking and to develop the environmental impact assessment system for the country as a whole. The state agency under No. 2 (1) may have opinions, observations, or recommendations for consideration process of the Provincial Office of Natural Resources and Environment or the Office of Natural Resources and Environmental Policy and Planning attached to the reports it has gathered.

If the project or undertaking is located in a jurisdiction of the Provincial Office of Natural Resources and Environment, the Provincial Office shall submit the implementation report of measures received from the state agency pursuant to No. 2 (1), to the Office of Natural Resources and Environmental Policy and Planning within 30 days of its receipt. If the project or undertaking is

required permission from state agencies where the area of project or undertaking overlaps more than one province, the Provincial Office of Natural Resources and Environment where the office of project or undertaking is located shall submit the implementation report of measures or as agreed by the overlapping Provincial Office of Natural Resources and Environment, as the case may be.

**No. 8:** The Office of Natural Resources and Environmental Policy and Planning shall gather the implementation reports of measures from the state agency under No. 2 (1) and the Provincial Office of Natural Resources and Environment and shall provide a report for results of overall picture of implementation of those measure with recommendations and opinions submitted to the National Environmental Board at least once a year. It shall bring the National Environmental Board's opinions (if any) to be used to monitor environmental impacts and develop the environmental impact assessment system.

In case where it appears that the operator or person asking for permission avoids or fails to implement measures as required in the environmental impact assessment report, which are conditions for granting permission or renewing a license under Section 51/3, the Office of Natural Resources and Environmental Policy and Planning shall proceed as follows:

(1) recommend the state agency under No. 2 (1), for the project or undertaking required to be granted permission from such state agency, to take actions according to its law to enforce the operator or person asking for permission, to correctly implement measures required in the environmental impact assessment report which are conditions for granting permission or renewing a license. The state agency under No. 2 (1) shall notify the results to the Office of Natural Resources and Environmental Policy and Planning within 90 days from the date of notification receipt;

(2) submit to the National Environmental Board, for the project or undertaking for which a state agency is responsible or a state agency cooperates with a private sector under a law, whether or not the Cabinet's approval is required.

**No. 9:** With regard to those conditions in providing implementation reports of environmental impact prevention and correction measures and environmental impact monitoring measures which the expert committee required when approving the environmental impact assessment report which was previously proceeded, and if the period of and procedure in submitting implementation reports of measures according to those conditions are different from those specified in this Notification, the rules and procedure under this Notification shall overrule.

**No. 10:** This Notification shall come into force after one day as from the date of its publication in the Government Gazette.

Notified on 19 November B.E. 2561

General Surasak Karnjanarat,  
Minister of National Resources and Environment

**Certificate for Implementation Report of Environmental Impact Prevention and Correction  
Measures and Environmental Impact Monitoring Measures**

**Project**.....

Date.....Month.....B.E.....

This certificate document certifies that .....is a provider of an  
implementation report of environmental impact prevention and correction measures and environmental  
impact monitoring measures for the project... .. located at  
... .. Street/ Road... .. Sub-  
district.....District.....Province.....of.....f  
or the submission round:

- ☐ January-June B.E.
- ☐ July-December B.E.
- ☐ Others (Please indicate.)

with the providers of the report as follows:

Provider(s) of the report	Signature	Position/Title
.....	.....	.....
.....	.....	.....
.....	.....	.....

.....

(.....)

Position/Title .....

(Seal of the Juristic Person)

**Implementation Report of Environmental Impact Prevention and Correction Measures and  
Environmental Impact Monitoring Measures**

**Project.....**

1. Project Name: .....  
Original name before changing (if any): .....
2. Location: .....
3. Name of Project Owner: .....
4. Contact Address: .....  
Tel.: ..... Fax: .....  
Email Address: .....
5. Provided by: .....
6. The project was approved in the environmental impact assessment report at (date/month/year): .....
7. The project was submitted its last implementation report of measures at (date/month/year): .....
8. Project Details:
  - Project Feature/Type: .....
  - Project Size / Distance: .....
  - Project Activities (in summary):
    - ❖ wastewater treatment: .....
    - ❖ occupational health and safety: .....
    - ❖ waste management: .....
    - ❖ others: .....
    - ❖ comparison of details of project implementation which are adjusted or different from those submitted in the environmental impact assessment report



**Table 1: Report Form for Implementation Report of Environmental Impact Prevention and Correction Measures and Environmental Impact Monitoring Measures of Project.....**

<b>Environmental Impact Prevention and Correction Measures and Environmental Impact Monitoring Measures</b>	<b>Results of Measure Implementation</b>	<b>Problems and Obstacles for Failure to Implement Measures and Resolution Approach</b>
Please indicate all of the measures provided in the environmental impact assessment report that have been approved.	Please provide details of implementation with illustrations.	

**Example - Table of Results**  
**Measurements of Air Quality in Atmosphere**

Project : ..... of Company: .....

Report provided by: .....

Measurement period from (month) ..... B.E. .... to (month) ..... B.E. ....

Coordination of Measurement Station: ..... Station No. ....

UTM Coordination of Measurement Station: ..... Site Operator: .....

Analyzer Model and Serial No.: .....

Calibrator Model and Serial No.: .....

Calibration Gas Cylinder Model and ID.: .....

Certified Date: ..... Concentration <ppm>: .....

Expiration Date for Calibration: .....

Time*	Measurements (Air Quality Index)						
	d/m/y	d/m/y	d/m/y	d/m/y	d/m/y	d/m/y	d/m/y
00.00 - 01.00							
01.00 - 02.00							
02.00 - 03.00							
.							
.							
21.00 - 22.00							
22.00 - 23.00							
23.00 - 24.00							
Average over 24 hours							
Highest average in 1 hour							
Lower average in 1 hour							
Standard parameter for 1 hour							
Standard parameter for 24 hours							

Note: \*period of each hour for 24 hours

Name of Measurer/Company: .....

Name of Recorder: ..... Name of Inspector/Controller: .....

Name of Company Measuring and Analyzing Samples: .....

Name of Analyzer: .....

Registration No. of Analyzer: ..... Tel.: .....

**Example – Table of Results**  
**Measurements of Wind Directions and Average Speed in Each Hour with Wind Rose**

Project : ..... of Company: .....  
 Report provided by: .....  
 From (month): ..... B.E. .... to (month) ..... B.E. ....  
 Measurement Station: .....  
 UTM Coordination of Measurement Station: .....

Time*	d/m/y/		d/m/y/		d/m/y/		d/m/y/	
	Speed (meters/ sec.)	Direction	Speed (meters/ sec.)	Direction	Speed (meters/ sec.)	Direction	Speed (meters/ sec.)	Direction

Note: \*period of each hour for 24 hours

Name of Measurer: .....  
 Name of Recorder: .....  
 Name of Inspector/Controller: .....  
 Name of Company Measuring and Analyzing Samples: .....  
 Name of Analyzer: ..... Registration No. of Analyzer: .....  
 Tel.: .....  
 Conclusion      The wind direction mostly came from the (direction) .....  
                       Most speeds were between ..... meters/second  
 Wind Rose Information .....

### Example – Table of Results

**Measurements of Air Quality Released from the Flue** .....(name of flue).....

Project : .....of Company: .....

Report provided by: .....

From (month):.....B.E.....to (month) .....B.E.....

Date of Measurement: .....

Time when samples were collected: .....

Production Process:

- Production rate: .....

Fuel:

- Fuel Type.....Fuel Utilization Rate: .....

Specification of the flue:

- Height.....meters UTM Coordination .....
- Diameter of the flue at the measurement station .....meters
- Temperature in the flue.....Celsius; Speed of gas in the flue .....meters/second
- Percentage of oxygen.....Percentage of moisture.....

Air Quality Index	unit	Concentration <sup>(1)</sup>		Standard	Proportion of actual release (gram/sec.)	Release rate criteria (gram/sec.) required as conditions in the assessment report
		% of actual O <sub>2</sub> <sup>(2)</sup>	% O <sub>2</sub> at the standard			

Notes:

- (1) pollution concentration value at the dry whether status, standard air pressure at 760 mmHg and temperature of 25 Celsius;
- (2) pollution concentration value at the measurement time;
- (3) pollution concentration value already adjusted according to the standard value;
- (4) please indicate standard values and reference documents for the standard values.

Name of Sample Collector: .....

Name of Recorder: .....

Name of Controller/Inspector: .....

Name of Company Measuring and Analyzing Samples: .....

Name of Analyzer: .....Registration No. of Analyzer: .....

Tel.: .....

**Example – Report of Results**  
**Measurements of Air Quality in Place of Operation**

Project : ..... of Company: .....

Report provided by: .....

From (month): ..... B.E. .... to (month) ..... B.E. ....

d/m/y	Measurement Position	Air Quality Index in Place of Operation	Unit	Measurements	Standard

Note: \* Please indicate standard values and reference documents for the standard values.

Name of Measurer/Company: .....

Name of Recorder: .....

Name of Inspector/Controller: .....

Name of Company Measuring and Analyzing Samples: .....

Name of Analyzer: ..... Registration No. of Analyzer: .....

Tel.: .....

**Example – Report of Results  
Measurements of Vibration**

Project : ..... of Company: .....

Report provided by: .....

From (month): ..... B.E. .... to (month) ..... B.E. ....

Measurement Position	Measurements		
Standard*			

Note:\* Please indicate standard values and documents referring to the standard values.

Name of Measurer/Company: ..... Name of Recorder: .....

Name of Inspector/Controller: .....

Name of Company Measuring and Analyzing Samples: .....

Name of Analyzer: ..... Registration No. of Analyzer: .....

Tel.: .....

### Example – Report of Results Measurements of Wastewater Quality

Project : ..... of Company: .....

Report provided by: .....

From (month): ..... B.E. .... to (month) ..... B.E. ....

Measurement Position: .....

UTM Coordination of Station: .....

Wastewater Quality Index	Unit	Measurements <sup>(1)</sup>						Max./ Min.	Standard <sup>(2)</sup>	Criteria indicated in the report <sup>(3)</sup>
		d/m/y/	d/m/y/	d/m/y/	d/m/y/	d/m/y/	d/m/y/			

- Note:
- (1) In case of “not-detectable,” please indicate the detection limit of the measurement method used;
  - (2) Please indicate standard values and document referring to the standard values;
  - (3) Please indicate concentration or loading values indicated as conditions in the environmental impact assessment report.

Name of Sample Collector: .....

Name of Recorder: .....

Name of Controller/Inspector: .....

Name of Company Measuring and Analyzing Samples: .....

Name of Analyzer: ..... Registration No. of Analyzer: .....

Tel.: .....

**Example – Report of Results**  
**Measurements of Surface Water Quality**

Project : ..... of Company: .....

Report provided by: .....

From (month): ..... B.E. .... to (month) ..... B.E. ....

Measurement Station and UTM Coordination Position	Surface Water Quality Index	Unit	Measurements <sup>(1)</sup>						Max./ Min.	Standard <sup>(2)</sup>
			d/m/y/	d/m/y/	d/m/y/	d/m/y/	d/m/y/	d/m/y/		

Note: (1) In case of “not-detectable,” please indicate the detection limit of the measurement method used;

(2) Please indicate standard values and documents referring to the standard values which is up to types of surface water sources.

Name of Sample Collector: .....

Name of Recorder: .....

Name of Controller/Inspector: .....

Name of Company Measuring and Analyzing Samples: .....

Name of Analyzer: ..... Registration No. of Analyzer: .....

Tel.: .....



**Example – Report of Results**  
**Measurements of Underground Water Quality**

Project : ..... of Company: .....

Report provided by: .....

From (month): ..... B.E. .... to (month) ..... B.E. ....

Measurement Station and UTM Coordination Position	Underground Water Quality Index	Unit	Measurements <sup>(1)</sup>						Max./ Min.	Standard <sup>(2)</sup>
			d/m/y/	d/m/y/	d/m/y/	d/m/y/	d/m/y/	d/m/y/		

- Note: (1) In case of “not-detectable,” please indicate the detection limit of the measurement method used;  
(2) Please indicate standard values and documents referring to the standard values.

Name of Sample Collector: .....

Name of Recorder: .....

Name of Controller/Inspector: .....

Name of Company Measuring and Analyzing Samples: .....

Name of Analyzer: ..... Registration No. of Analyzer: .....

Tel.: .....

### Example – Report of Results Measurements of Sea Water Quality

Project : ..... of Company: .....

Report provided by: .....

From (month): ..... B.E. .... to (month) ..... B.E. ....

Measurement Station and UTM Coordination Position	Index	Unit	Measurements <sup>(1)</sup>						Max./ Min.	Standard <sup>(2)</sup>
			d/m/y/	d/m/y/	d/m/y/	d/m/y/	d/m/y/	d/m/y/		

- Note: (1) In case of “not-detectable,” please indicate the detection limit of the measurement method used;  
(2) Please indicate standard values and documents referring to the standard values.

Depth from sea water surface at the collection location: .....

Name of Sample Collector: .....

Name of Recorder: .....

Name of Controller/Inspector: .....

Name of company measuring and analyzing samples: .....

Name of analyzer: ..... Registration No. of Analyzer: .....

Tel.: .....

**Example – Report of Results**  
**Measurements of Plant and Animal Planktons and Benthic Animals**

Project : .....

Located at: .....

No. .... of B.E. .... Date .... Month .... B.E. ....

Places of collection: 1. ....

2. ....

Plankton Types	Plankton Quantity (unit per cubic meter)				
	Station 1	Station 2	Station 3	Station 4	Station 5
<b>Plant planktons</b>					
Division: Class: Species:					
<b>Animal planktons</b>					
Phylum: Class: Species:					
<b>Types of plant planktons</b> <b>Types of animal planktons</b> <b>Types of all planktons</b>					
<b>Quantity of plant planktons</b> <b>Quantity of animal planktons</b> <b>Quantity of all planktons</b>					
<b>Diversity index of plant planktons</b> <b>Diversity index of animal planktons</b>					
<b>Consistence index of plant planktons</b>					
<b>Consistence index of animal planktons</b>					
<b>Benthic Animals</b>					
Phylum: Class: Species:					
<b>Types of benthic animals</b>					
<b>Quantity of benthic animals</b>					
<b>Diversity index of benthic animals</b>					

Number of types of .....planktons / benthic animals at Station No.....

(Diagram showing number of types (Y-axis) found  
each time of measurement with comparisons of different years (X-axis))

**Quantities of .....planktons / benthic animals at Station No.....**

(Diagram showing how many planktons/animals per liter (Y-axis) found  
each time of measurement with comparisons of different years (X-axis))

**Diversity index of .....planktons / benthic animals at Station No.....**

(Diagram showing index (Y-axis) measured  
each time of measurement with comparisons of different years (X-axis))

Unofficial Translation

### Example – Report of Results Measurements of Sound Level in the Community

Project : ..... of Company: .....

Report provided by: .....

Measurement period from (month) ..... B.E. .... to (month) ..... B.E. ....

Coordination of Measurement Station: .....

UTM Coordination of Measurement Station: .....

Sound Level Meter (SLM) Model and Serial No.: .....

Calibrator Model and Serial No.: .....

Calibration Reference dB(A): .....

SLM Reading dB(A) and SLM Adjust dB(A): .....

Certified Date: ..... Calibration Sheet No.: .....

Time*	Equivalent Sound Pressure Level (dB(A))		
	d/m/y	d/m/y	d/m/y
00.00 – 01.00			
01.00 – 02.00			
.			
.			
22.00 – 23.00			
23.00 – 24.00			
Leq<24> <sup>(1)</sup>			
Ldn			
Lmax <sup>(2)</sup>			
Standard- 24 hours			
Maximum Standard			

Notes: (1) average value over 24 hours

(2) maximum sound pressure level over a period of 24 hours.

Name of Measurer/Company: ..... Name of Recorder: .....

Name of Inspector/Controller: .....

Name of Company Measuring and Analyzing Samples: .....

Name of Analyzer: ..... Registration No. of Analyzer: .....

Tel.: .....

**Example – Report of Results**  
**Measurements of Sound Levels in Place of Operation**

Project : ..... of Company: .....

Report provided by: .....

Measurement period from (month) ..... B.E. .... to (month) ..... B.E. ....

Coordination of Measurement Station: .....

UTM Coordination of Measurement Station: .....

Sound Level Meter (SLM) Model and Serial No.: .....

Calibrator Model and Serial No.: .....

Calibration Reference dB(A): .....

SLM Reading dB(A) and SLM Adjust dB(A): .....

Certified Date: ..... Calibration Sheet No.: .....

Time*	Equivalent Sound Pressure Level (dB(A))		
	d/m/y	d/m/y	d/m/y
08.00 – 09.00			
09.00 – 10.00			
..			
..			
14.00 – 15.00			
15.00 – 16.00			
Leq<8> <sup>(1)</sup>			
Lmax <sup>(2)</sup>			
Standard parameter 8 hours			
Maximum Standard parameter			

Notes: (1) average value over 8 hours

(2) maximum sound pressure level over a period of 8 hours.

In case where the conditions in the environmental impact assessment report require to provide noise contour, the Project shall show that measurement with explanation.

Name of Measurer/Company: .....

Name of Recorder: .....

Name of Inspector/Controller: .....

Name of Company Measuring and Analyzing Samples: .....

Name of Analyzer: ..... Registration No. of Analyzer: .....

Tel.: .....

**Example – Report of Results**  
**Measurements of Light Intensity in Place of Operation**

Project : ..... of Company: .....

Report provided by: .....

From (month): ..... B.E. .... to (month) ..... B.E. ....

Date/month/year	Measurement Position	Feature/Types of Work <sup>(1)</sup>	Measurement (Lux)	Standard

Notes: (1) Please indicate feature/types of activities undertaken in the area of measurement position, such as machine repairing.

(2) Please indicate standard values and document referring to the standard values .

Name of Measurer/Company: .....

Name of Recorder: .....

Name of Inspector/Controller: .....

Name of Company Measuring and Analyzing Samples: .....

Name of Analyzer: ..... Registration No. of Analyzer: .....

Tel.: .....

**Example – Report of Results**  
**Measurements of Heat in Place of Operation**

Project : ..... of Company: .....

Report provided by: .....

From (month): ..... B.E. .... to (month) ..... B.E. ....

Date/month/year	Measurement Position	Feature/Types of Work <sup>(1)</sup>	Temperature (°C)	Standard

- Notes: (1) Please indicate feature/types of activities undertaken in the area of measurement position, such as machine repairing.
- (2) Please indicate the standard value, such as WBGT (Wet Bulb Globe Temperature) recommended by ACCGIH (American Conference of the Governmental Industrial Hygienist)

Name of Measurer/Company: .....

Name of Recorder: .....

Name of Inspector/Controller: .....

Name of Company Measuring and Analyzing Samples: .....

Name of Analyzer: ..... Registration No. of Analyzer: .....

Tel.: .....



**Guidelines for Annual Physical Examination Report  
For Submission in Implementation Report of Environmental Measures  
in the Environmental Impact Assessment Report (Monitor Report)**

Types of Physical Examination	Items to be examined (blood, urine, tissue, etc.)	Examination Agency	Number of employees		Results		Action taken if abnormal (reexamination, treatment, etc.)	More details of other abnormality.
			All (persons)	Examined (persons)	Normal (persons)	Abnormal (persons)		
-General examination								
- Examination according to work feature								

(Referred from the Ministry of Interior's Notification on Safety in Working related to Hazardous Chemical Substances)

**1. Guidelines in filling in information for the environmental impact assessment report (EIA):** fill in the information about physical examinations of employees as indicated in the environmental impact assessment. The results shall be from diagnoses of occupational medical doctors and reexamination by hospitals/clinics with expertise in each field as follows:

- Physical examination list: shall be classified as a general physical examination and examinations according to work feature, as specified in the environmental impact assessment report which provides that an operation place shall report information of annual physical examinations as prescribed.
- Items to be examined (blood, urine, tissue, etc.): means a biological indicator (Biomaker) used to indicate status of being in contact with chemical substances prescribed by ACGHI.
- Agencies/units providing physical examinations: service units or hospitals/clinics having doctors with an expertise in occupational medical science in assessing results of physical examinations.
- Number of employees: number of all employees and number of employees who must be examined the chemical substance residue in their bodies according to the Biomaker risk.
- Examination results: results of physical examinations of all the employees both for general physical ones and those according to work feature, from a laboratory's standardized analysis and occupational medical doctor's diagnosis.
- Action taken if the results are abnormal (reexamination, treatment, etc.): means steps or procedure that are undertaken after finding an abnormal result from a laboratory's analysis and occupational medical doctor's diagnosis, namely, sending for reexamination to confirm such abnormality (with the same biomaker or changing biomarker to be more specific in order to confirm abnormality) or going under treatment.
- Explanation of additional details of abnormalities: such as
  - Abnormality that was found before being employed;

- Measurements of work environment in the place of operation (area sampling) or physical touch to individuals' body (personal sampling);
  - Results of biomarker analysis before starting working for the day and after work hours in order to consider level of physical contact to chemical substances during the work hours.
- Notes and indicate how to undertaking physical checkups, equipment used in measurement or analysis of abnormality from an occupational medical doctor's diagnosis.

**2. Acquisition of information used in reporting to a state agency shall consist of the followings:**

- Classification of employees according to work feature from different factors: in order to determine items for a physical examination as follows:
  - Risk factors from work, e.g. chemical substances, heat, and sound.
  - Other risk factors, e.g. gender, age, chronic diseases, general health situation.
- Selection of hospitals/clinics to provide services to employees: shall follow the rules below:
  - shall be a hospital/clinic duly registered under the Health Facility Act B.E. 2541 where there are quality and sufficient personnel to examine the employees to go through the examination with a working standard in entire infection prevention. The document shall be in writing and can be examined upon request.
  - A testing laboratory shall be certified under a reliable standard with the work procedure with standards in collecting, delivering, sample analyzing, covering hearing test, vision test, lung function test, using calibrator and equipment with standard and having work experience according to the number of people receiving services.
  - Physical examination report shall be in accordance with the formats and time periods each company establishes, and a conclusion shall be from an occupational medical doctor's diagnosis and certified by him/her in accordance with the Ministry of Labour's Ministerial Regulation on Rules and Procedure in Undertaking Physical Checkups of Employees and Sending Results to Labor Inspection Officers B.E. 2547.
- Diagnosis of the results by an occupational medical doctors and reexamination to confirm abnormality by an occupational medical doctor who diagnoses the examination results and request for a reexamination with a hospital/clinic that has an expertise in each field to find additional causes and set a direction to monitor the treatment.
- Conclusion of physical examinations of employees (final data): by an occupational medical doctor signing to certify conclusion of physical examination of general groups of employees and employees under risk.
- Period of reporting information to a state agency: within 31 January of every year.

**Example**  
**Summary of Accident Statistics**

Project : ..... of Company: .....

Report provided by: .....

From (month): ..... B.E. .... to (month) ..... B.E. ....

<b>Types of Accidents<sup>(1)</sup></b>	<b>Frequency of Accidents<sup>(2)</sup></b>	<b>Places of Accidents</b>	<b>Target of Accident Reduction<sup>(3)</sup></b>

Notes: (1) definition of accident types, such as severe, minimally injured, number of leave days;  
(2) number of accidents occurred in each time period;  
(3) target of projects in reducing accident statistics and relevant reference documents.

Name of Recorder: .....

Name of Inspector/Controller: .....

Tel.: .....

Guidelines after finding an accident: .....