

Notification of the Eastern Economic Corridor Policy Committee

Re: Standards for Public Utility System, Facilities in Special Economic Promotional Zones for Industrial Operation, Type of Area Development in Response to Specific Targeted Industry B.E. 2562 (2019)

Regarding the Notification of the Eastern Economic Corridor Policy Committee Re: Criteria, Procedures, and Conditions for requesting to notify Special Economic Promotional Zone B.E. 2562 (2019) to develop modern and environmentally-friendly economic activities, it is expedient to plan efficient and appropriate infrastructure and public utility system. This action supports the operation of special targeted industries and business operations in connection with advanced and modern technology and innovation creation for enhancing the competitive advantages of the country.

By virtue of the provision of Clause 6 together with Clause 14 of the Notification of the Eastern Economic Corridor Policy Committee Re: Criteria, Procedures, and Conditions for requesting to notify Special Economic Promotional Zone B.E. 2562 (2019), the Office of the Eastern Economic Corridor Policy Committee hereby issues the Notification as follows:

Clause 1 This Notification shall be called “the Notification of the Eastern Economic Corridor Policy Committee Re: Standards for Public Utility System, Facilities in Special Economic Promotional Zones for Industrial Operation, Type of Area Development in Response to Specific Targeted Industry B.E. 2562 (2019).”

Clause 2 This Notification shall come into force from the day of notification onwards.

Clause 3 In this Notification:

“Special Economic Promotional Zone for Specific Operation” means the special economic promotional zone for industrial operation, type of area development in response to specific targeted industries and other business operations in connection with such specific targeted industries;

“Office” means the Office of the Eastern Economic Corridor Policy Committee;

“Central Area” means an area of the public utility system, facilities, green zone, and buffer zone;

“Buffer Zone” mean an area located between the operations in the special economic promotional zone and surrounding communities to prevent and mitigate the impact on safety, health, life, and environment of the community;

Clause 4 In case of the specific economic promotional zone with the area not over 3,000 rai, it shall apply the standards of this Notification. In case of the area is exceeding 3,000 rai, it shall be in line with standards prescribed by the Industrial Estate Authority of Thailand.

Clause 5 In the specific economic promotional zone, it shall arrange at least 10 percent of the total area to be the central area. However, in the case of an area exceeding 2,500 rai, it shall arrange the central area of not less than 250 rai, including necessary services as appropriate to characteristic and size of each type of specific economic promotional zones for operation:

(1) Road system within or connecting with roads or ways outside specific economic promotional zones;

(2) Rainwater drainage system and flood prevention system;

(3) Water supply system;

(4) Wastewater treatment system;

(5) Telecommunication system;

(6) Electrical system;

(7) Fire suppression system and accident prevention system;

(8) Management system of industrial waste, solid waste, and sewage;

(9) Monitoring and investigation system of pollution and environmental quality;

(10) Security system;

(11) Facility system and other additional services.

Apart from systems prescribed in Paragraph 1, the Secretary-General may specify additional public utility systems, facilities, or services as it deems necessary.

To establish a Specific Economic Promotional Zone in any area where there are systems as prescribed in Paragraph one or Paragraph two provided by the government or the private agency as public services or service businesses outside the Specific Economic Promotional Zones, those who wish to establish the Specific Economic Promotional Zones shall be able to arrange the systems as prescribed in Paragraph one and Paragraph two by utilizing the existing services with the consent of the Secretary-General.

Clause 6 The Secretary-General of the Eastern Economic Corridor Policy Committee shall take charge of this Notification, and shall have authority to prescribe and approve the standard system different from specified standards hereof.

Section 1

Road System within or connecting with Roads or Ways outside Specific Economic Promotional Zones

Clause 7 The road system design within the Specific Economic Promotional Zones or connecting or outside roads shall be in line with academic standards under the following criteria:

(1) The area not exceeding 500 rai shall have 2-lane main roads with 12-meter right of way, 7-meter road surface, and 2-meter of shoulder and pavement on each side of traffic lanes;

(2) The area exceeding 500 rai but not exceeding 1,000 rai shall have 2-lane main roads with 16-meter right of way, 7-meter road surface, and 2-meter of shoulder and pavement on each side of traffic lanes;

(3) The area exceeding 1,000 rai but not exceeding 3,000 rai shall have 2-lane main roads with 20-meter right of way, 7-meter road surface, and 2-meter of shoulder and pavement on each side of traffic lanes.

Clause 8 The slope and road alignment in the Specific Economic Promotional Zone shall be in line with standards of the Department of Highway or better.

Clause 9 Road surface shall be reinforced concrete, or asphaltic concrete, or reinforced concrete paved with asphalt or other materials, or asphalt paved road supported with thick and crushed and pressed subbase in line with standards of the Department of Highway or better.

Clause 10 Roads constructed through canals or public ditches with the necessity to construct a bridge, pipeline bridge, or culvert as the case may be shall design and construct under standards of the Department of Highway or better.

Clause 11 Roads which are the entrance and exit of the Specific Economic Promotional Zone and connect with the Royal Highway or public roads shall be wide as prescribed in the law of agencies responsible for roads or public roads.

Clause 12 The level of road height shall in line with the water drainage system in the Specific Economic Promotional Zone and shall be in the level and standards not lower than public roads outside.

Clause 13 There shall be traffic lights, traffic signs, or reflective equipment at street islands, roundabout, junctions, curves, ditch or speed bump installed at every road. Additionally, there shall be an electrical system to provide sufficient lights to the road under the safety criteria under standards of the Department of Highway or better.

Clause 14 Apart from the prescription in this Section, the road system design shall be undertake according to standards of the Department of Highway or better.

Section 2

Rainwater Drainage System and Flood Prevention System

Clause 15 In this Section:

“Flood-Prone Area” means an area at risk of harm or hazard from flood or an overflow of water from a river, stream, or watercourse to cover the area where is not lower than water level; or the accumulation of water because of delay in drainage; or the flooded area; or floodway.

Clause 16 There shall be a rainwater drainage system and flood prevention system with the design in line with prescribed academic standards.

Clause 17 A rainwater drainage system shall be an open channel or closed gutter with cesspools as deemed appropriate.

Clause 18 A design of rainwater drainage system in the Specific Economic Promotional Zone located in the Flood-Prone Area shall take the following issues into account:

(1) Capability of water catchment outside the area in collecting water from the Specific Economic Promotional Zone;

(2) Direction of water flows around the Flood-Prone Area in normal condition and case of floods.

The water drainage and flood prevention management shall coordinate with caretakers or those relating to water catchment to maintain the catchment to its potential and efficiency in collecting water as designed annually.

Clause 19 Water draining points and the water drainage of the Specific Economic Promotional Zone shall not affect the water catchment outside.

Section 3

Water Supply System

Clause 20 In this Section:

“Water Supply” means tap water or water used for industrial operation.

Clause 21 Quality of Water Supply shall be according to standards of the Metropolitan Waterworks Authority or the Provincial Waterworks Authority as the case may be, or as appropriate to water quality for each type of operations.

Clause 22 The water supply system design shall have production capability sufficient to water use and the quality according to standards specified in Clause 21. It includes the case of transferring external water to use in the Specific Economic Promotional Zone.

Clause 23 Water Supply system shall undertake as follows: (1) the water pipe installation design shall be appropriate to area condition and shall meet with prescribed academic standards; (2) the water distribution shall use water pressure not less than 1.50 kilogram per square centimetre, but not exceeding 6.00 kilogram per square centimetre;

(3) there shall be water reserves to use in the Specific Economic Promotional Zone with the quantity for at least 8-hours of maximum daily water demand, including water reserve for fire extinction.

Section 4

Wastewater Treatment System

Clause 24 In this Section:

“Wastewater” means used water in all cases.

Clause 25 Wastewater treatment system shall undertake as follows:

(1) Wastewater collection system shall be separated from rainwater drainage system. The design of wastewater collection system shall be as specified in academic standards;

(2) The wastewater treatment system design shall consider quantity and quality of wastewater appropriate to operation type in each Specific Economic Promotional Zone, and shall have the efficiency in treating wastewater to the quality in line with standard prescribed by laws.

Clause 26 The wastewater treatment system may be a central treatment system or an on-site treatment. However, there shall be only one point to dispose of treated water and there shall be manholes to inspect the quality of disposed water. The water quality monitoring system shall also be installed to monitor water quality continually and automatically and transmit the collected data through an electronic network to the relevant agencies.

Section 5

Telecommunication System

Clause 27 There shall be a telecommunication system to provide facilitation as appropriate to a type of business operation in each Specific Economic Promotional Zone comprehensively, rapidly, and efficiently.

Section 6

Electrical System

Clause 28 The design of electrical system shall consider the appropriateness to operation type in each Specific Economic Promotional Zone, and shall be in line with standards of the Metropolitan Electricity Authority and the Provincial Electricity Authority as the case may be.

Clause 29 Power cords and all electrical equipment used with the electrical system shall have specification not less than prescribed in Thai Industrial Standards, and standards of the Provincial Electricity Authority or the Metropolitan Electricity Authority as the case may be.

Section 7

Fire Suppression System and Accident Prevention System

Clause 30 The design of a fire suppression system and accident prevention system shall be appropriate to characteristics of operation type in each Specific Economic Promotional Zone and shall be in line with prescribed academic standards.

Clause 31 A fire water supply and hydrant system shall have requirements as follows:

- (1) Be wet barrel;
- (2) The size of a hydrant shall be not less than 100.00 millilitres, with the water inlet to the hydrant exceeding 150.00 millilitre and the water outlet of 65.00 millilitres, including 2-way water gates.

- (3) The fire hose connector shall be female coupling with lid and chain;

- (4) The distance between each fire hose shall not exceed 150.00 meters.

Clause 32 A fire water supply transmission system shall be appropriate and have water pressure at the farthest end of a fire hose not less than 1.50 kilogram per square centimetre. A fire pump system may be used to increase the water pressure.

Clause 33 The measure to prevent accident and emergency plan for fire incident, accident, or any other emergency shall be formulated by preparing sufficient and efficient equipment, devices, and staff. There shall be regular drills of the aforesaid measure at least once a year.

Section 8

Management System of Industrial Waste, Solid Waste and Sewage

Clause 34 In this Section:

“Industrial Waste” means garbage or waste from operation in factories. It classifies into two types. Non-hazardous industrial waste means garbage or waste not contaminated, mixed, or mingled with hazardous substance prescribed by the law. Hazardous industrial waste means garbage or waste contaminated, mixed, or mingled with hazardous substance or substance with hazardous qualifications prescribed by the law.

“Solid Waste and Sewage” means garbage or waste from activities in any location or area in the Special Economic Promotional Zone e.g. office building, commercial building, service premises, excluding Industrial Waste.

Clause 35 The estimation of quantity and characteristic of Industrial Waste, Solid Waste and Sewage shall be calculated as prescribed according to academic standards and in line with operations in each Specific Economic Promotional Zone.

Clause 36 The management system of Industrial Waste, Solid Waste and Sewage shall be as follows:

(1) There shall be a management system of Industrial Waste, Solid Waste and Sewage to provide facilitation as appropriate to operation type in each Specific Economic Promotional Zone comprehensively and efficiently, as prescribed by the laws.

(2) In case using service from service providers to manage Industrial Waste, Solid Waste and Sewage; the service provider shall be granted permission from a state agency or the committee according to such laws.

Section 9

Pollution and Environmental Quality Monitoring and Inspection System

Clause 37 There shall be a pollution and environmental quality monitoring and inspection system in line with measures specified in the environmental impact analysis report or according to criteria of the relevant agencies.

Section 10

Safety System

Clause 38 There shall be a safety system appropriate with operation type in each Specific Economic Promotional Zone.

Section 11

Facility System and Other Additional Services

Clause 39 There shall be a facility system and other services in addition to the prescription in Section 1 to 10. They shall be in response to need and shall implement as appropriate.

Issued on the 20th day of August B.E. 2562 (2019)

Kanit Sangsubhan

Secretary-General of the Eastern Economic Corridor Policy Committee