

# Overview / Salient Features of the Proposed Department Circular for Guidelines on Coal Handling, Transport, Storage and Distribution

*Engr. Matuwid S. Lagang*  
*Senior SRS, Coal and Nuclear Minerals Division*  
*Energy Resource Development Bureau*



# Outline

---

- [Background/Creation of TWG](#) on Logistics and Handling
- Legal Basis
- Scope of Coverage
- Objective
- General Guidelines
- Different Stages of Coal Handling, Transportation and Distribution
- Coal Handling and Storage
- Compliance Requirements
- Administrative Fines and Penalties
- Environmental Protection and Liability



# Legal Basis

---

**1. Republic Act (RA) No. 7638:**

*"The Department of Energy (DOE) Act of 1992"*

-An Act Creating the Department of Energy Rationalizing the Organization and Functions of Government Agencies Related To Energy and for Other Purposes

**2. Presidential Decree No. 972 "The Coal Development Act of 1976 "**

-declared as a policy of the state to immediately accelerate the exploration, development, exploitation, production, and utilization of the country's coal resources

**3. DOE Department Circular No. DC2012-05-0006**

*"Guidelines in the Accreditation of Coal Traders and Registration of Coal End-Users"*

- to establish the rules and regulations on coal trading and utilization



# Scope of Coverage

---

This Circular shall apply to the following:

- Coal Traders
- Coal End-Users
- Holders of Coal Operating Contract (COC)
- Holders of Small-Scale Coal Mining Permit (SSCMP)
- All other persons engaged in coal operations



# Objective

---

- Entities engaged in coal operations, including coal trading and utilization, and undertaking coal handling, transport, storage and distribution activities are mandated to ensure that current best practices in health, safety and environmental management are implemented to mitigate its impacts thereby effectively and efficiently protecting the environment



# GENERAL GUIDELINES

---

1. Health, safety, and environment orientation for workers
2. a. Safety and Security
  - Personal Protective Equipment (PPE)
  - Presence of spotters and guards during handling, loading and unloading of coal
  - Fire-fighting equipment on coal conveyances
  - Maintain proper housekeeping including lighting at night
  - Establish emergency response plan
  - No overloading on coal conveyances and shall be driven within appropriate speed limit



# GENERAL GUIDELINES

---

## 2.b. Environmental Regulation and Pollution Control

- Implement dust control system
- Properly maintain coal stockpile
- Install tire bath
- Construct/maintain settling pond
- Ensure continues cleaning, sweeping, sprinkling and water spraying of roads

Coal Traders, Coal End-Users and holders of COCs and SSCMPs and all other persons engaged in Coal Operations shall comply with other responsibilities for the different stages of coal handling, transportation, storage and distribution as provided under the subsequent provisions.



# Different Stages of Coal Handling, Transportation and Distribution

---

- A. Coal Handling and/or Transport Within the COC or SSCMP Area
- B. Coal Handling and/or Transport of Coal from the Mine Stockpile to the Staging Area or Loading Port
- C. Coal Handling and/or Transport of Coal by Land or Sea from Staging Area or Loading Port to Unloading Port or Area.
  - 1. Transportation By Land
  - 2. Transportation By Sea
- D. Coal Handling or Discharging in Unloading Port or Area
- E. Coal Handling and/or Transport from Unloading Port or Area to End – User/Coal Trader Storage Facility





# Coal Handling and Storage

---

- Design, manage and maintain stockpile such that coal can be safely stored and handled.
- Ensure that coal is stored in a distinct area that has controls to prevent washout and contamination.
- Ensure that coal stockpile is maintained flat to minimize errors on material stock measurements and minimize water build up.
- Perform regular inspection to ensure that stockpile is free from potential contaminants such as debris, rags and other contaminants that could trigger product quality issues.
- Construct and maintain covered warehouse or concrete storage facility that can accommodate and isolate tons of coal.
- Install concrete perimeter fence to prevent propagation of dust and other operational spoils to its neighboring establishments.



# Compliance Requirements

---

- Submission of a sworn certification within a period of six (6) months from the effectivity with attached checklist of its compliance
- Submission of sworn certification and checklist prior to January 30 of every year of operation
- ERDB shall distribute a copy of checklist of compliance within thirty (30) days from the effectivity of this Circular
- ERDB shall validate and ensure compliance.



# Administrative Fines and Penalties

---

Failure to comply with the provisions of this Circular shall result to the following penalties:

- *First Offense - Ten Thousand Pesos and/or suspension of operations for six (6) months, at the discretion of the DOE;*
- *Second Offense - Twenty Thousand Pesos and/or suspension of operations for one (1) year, at the discretion of the DOE;*

*Succeeding violations shall result to the immediate suspension of operations unless lifted by the DOE for meritorious grounds. (per violation and include notification)*

- *Multiple violations shall result to the indefinite suspension of operations and cancellation/ revocation of registration and accreditation with the DOE, including the suspension or cancellation of COCs or SSCMPs, if applicable.*

Failure to submit the sworn certification and checklist within six (6) months under Section 6 hereof shall be considered as a *First Offense* under this section.



# Environmental Protection and Liability

---

All existing Coal Traders, Coal End-Users, holders of COCs and SSCMPs and all other persons engaged in coal operations shall strictly comply with all environmental laws, rules and regulations, including those imposed by local government units (LGUs).

In case of any environmental impact and damage such as coal spillages, pollution, contamination, fire, spontaneous combustion, coal run-off into seas and rivers, the concerned Coal Trader, Coal End-User, holder of COC and SSCMP and all other persons engaged in coal operations shall be responsible and liable thereto.



## Other Regulations

---

All existing Coal Traders, Coal End-Users, holders of COCs and SSCMPs and other persons engaged in coal operations shall strictly comply with applicable rules, regulations and issuances by other government agencies and entities, both local and national, in relation to coal operations, coal trading, including its storage, handling, transportation and distribution.



# THANK YOU



(+632) 479-2900 / 840-2254



doecoaldivision@gmail.com



www.doe.gov.ph



//doe.gov.ph



@doe\_ph





# Background/Creation of TWG on Logistics and Handling

- **22 July 2016** Creation of Technical Working Groups (TWGs), including on Logistics and Handling TWG
- **24 August 2016** 1st TWG Meeting
- **16 September 2016** 2nd TWG Meeting
- **23 September 2016** AFOC Phils. Meeting
- **07 October 2016** 3rd TWG Meeting
- **09 March 2017**
- **23 March 2017**
- **18 December 2017**
- **28 December 2017**
- **12 January 2018** Draft of Guidelines in Circular was first introduced to coal stakeholders during the AFOC Meeting

[Back](#)



# Different Stages of Coal Handling, Transportation and/or Distribution

---

## A. Coal Handling and/or Transport Within the COC or SSCMP Area

Provide and maintain wind breaker along the perimeter of the stockpile such as suitable trees and vegetation and/or fence which shall always be higher than the stockpile height.

Ensure that the equipment operator is protected from heat, dust and coal particles from stockpile.

Prevent spontaneous combustion by compaction of coal stockpile using appropriate equipment, and avoid blending lump coal and fine coal as well as long-term stockpiling of highly volatile coal.

[Back](#)



# Different Stages of Coal Handling, Transportation and/or Distribution

---

## **B. Coal Handling and/or Transport of Coal from the Mine Stockpile to the Staging Area or Loading Port**

Ensure safe loading of coal into trucks or mine cars, loading bins via conveyor system, and roll-on-roll off using trucks directly into barges or landing craft transport (LCT).

Provide truck's cargo box with appropriate cover in case of roll-on-roll-off operation.

Prevent coal spillages along the road by properly securing the trucks' cargo box.

Install tarpaulin shield in between the vessel and pier apron to capture coal spillages from trucks.

Ensure that there shall be no temporary storage of coal on the pier apron to avoid coal run-off during heavy rain.

Ensure that there shall be no congestion at the mine stockpile area, staging area, and loading port to ensure safe and smooth movement of trucks and other vehicles.

[Back](#)



# Different Stages of Coal Handling, Transportation and/or Distribution

---

## C. Coal Handling and/or Transport of Coal by Land or Sea from Staging Area or Loading Port to Unloading Port or Area

### i. Transportation By Land

Ensure that trucks shall be equipped with adequate brakes and lighting, audible backing horn, and early warning devices.

Prevent coal spillages along the road by properly securing the trucks cargo box.

Provide truck mufflers with silencer or any device to prevent noise generation.

Ensure that no person and/or extraneous materials shall be allowed to ride or be transported by trucks during coal transport.

Clean the truck tires before leaving the staging area / loading port.

Employ a street sweeper to clean coal spillages in any barangay, municipal, or national road used by the conveyance. [Back](#)



# Different Stages of Coal Handling, Transportation and/or Distribution

---

## C. Coal Handling and/or Transport of Coal by Land or Sea from Staging Area or Loading Port to Unloading Port or Area

### II. Transportation By Sea

Prevent coal spillages at sea by properly securing the coal container of the vessel with appropriate cover.

Ensure that no unauthorized person and/or any other extraneous materials shall be allowed to ride or be transported by vessels during coal transport.

Ensure that the vessel and pier has adequate lighting devices.

[Back](#)



# Different Stages of Coal Handling, Transportation and/or Distribution

---

## D. Coal Handling or Discharging in Unloading Port or Area

Ensure that only authorized personnel are allowed to perform coal unloading in the port/unloading area.

Provide adequate lighting devices when unloading operations will be done at night.

Ensure safe unloading of coal into the unloading port / area by close supervision of movement of equipment and personnel designated for unloading operation.

Prevent coal spillages during unloading into the unloading port / area by properly securing vehicles, equipment and other devices used in unloading operation.

Ensure that all equipment are readily available and in good working condition within the area to immediately address stockpile management requirement.

[Back](#)



# Different Stages of Coal Handling, Transportation and/or Distribution

---

## E. Coal Handling and/or Transport from Unloading Port or Area to End – User/Coal Trader Storage Facility

Ensure that trucks slowly enter the stockpile area to prevent dust emission.

Ensure that coal is slowly unloaded on its designated location by a dump truck then, slowly compressed by pay loader to mitigate dust.

Ensure that truck helper monitors the loading operation of his truck and signals the operators when to stop.

Ensure that truck helper implements proper loading distribution to ensure stability during transport.

Ensure that handling equipment are readily available and in good working condition within the area to immediately address stockpile management requirement.

Trucks shall be cleaned using water jets or tire bath to remove dirt and mud on tire before leaving coal stockpile / storage facility.

[Back](#)

