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Instructions of Regulating Activities related to Industrial Fuel from Waste
Issued on the basis of paragraph (a) of article (4) and pursuant to article (7) of the regulation
regulating and managing the Ministry of Energy and Mineral Resources No. 26 of 1985

Article (1)

These instructions shall be called (Instructions of Regulating Activities of Industrial Fuel from Waste) and they shall be applicable as of the date of their promulgation in the Official Gazette.

Article (2)

The following words and phrases, wherever stipulated herein, shall have the following meanings allocated to each, unless the context requires otherwise:

- Ministry** : The Ministry of Energy and Mineral Resources.
- Minister** : The Minister of Energy and Mineral Resources.
- Organization** : The Standards and Metrology Organization
- Concerned Authorities** : The Ministry of Environment, the Ministry of Water and Irrigation, the Ministry of Transport, the Ministry of Agriculture, the Ministry of Municipal Affairs (if the facility's site is located outside the borders of the Greater Amman Municipality), the Standards and Metrology Organization, the Directorate General of Civil Defense, the Directorate of Drivers and Vehicles Licensing, the Greater Amman Municipality (if the facility's site is located inside the borders of the Greater Amman Municipality), the Ministry of Health, the Directorate of Environment Health and the Ministry of Interior.
- Industrial Fuel** : Liquid or gaseous Hydrocarbon material including fuel oil, diesel, kerosene, gasoline, methane and others, that are being manufactured from industrial wastes (residuals), household waste, plastic materials, hospitals wastes, used tires and other wastes of high-carbon content. These wastes are un-renewable materials and the fuel produced from them is un-renewable regardless of the production method.
- Bio-fuel** : Hydrocarbon materials manufactured from all types of vegetable oils, animal fats and/or consumed vegetable oils or any other resources. This type of fuel is renewable.
- Finished Products** : Industrial diesel, industrial gasoline, industrial fuel oil, methane and others.
- Biodiesel Activities** : All activities related to producing, storing, transporting,

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- distributing, importing and/or exporting the material or industrial fuels and other activities.
- Applicant** : The physical or legal person who presents an application to the Ministry to issue a license and/or a permit.
- Application** : The document presented to the Ministry to issue the permit for building or operating a facility for the production of industrial fuel material or performing any substantial amendments to the facility's building.
- Technical Committee** : The committee formed according to provisions of these instructions and specialized in studying the applications presented to the Ministry to issue the permit and/or license of any of the biodiesel activities. This committee consists of representatives from the Ministry and Concerned Authorities.
- Facility** : Production units, storing capacities and assisting services units for producing industrial fuel material.
- Permit** : A Permit issued by the Ministry and granted to the applicant to establish a facility according to these instructions.
- Permitted person** : The Physical or legal person, to whom the permit has been granted.
- License** : A license issued by the Ministry to be granted to the applicant after completing the construction of the facility and/or for practicing any of the industrial fuel activities according to these instructions.
- Licensee** : The Physical or legal person, to whom the license has been granted.

Article (3)

No physical or legal person may practice any of the activities stipulated in these instructions and/or establish any facility or any of the substantial amendments without issuing the permit and/or license for practicing these activities according to the rules and regulations stipulated herein.

Article (4)

The Ministry of Interior shall grant the security approval.

Article (5)

The Ministry of Environment shall grant the approval on the location of the facility's site.

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Article (6)

The Ministry of Municipal Affairs, the Greater Amman Municipality and/or any related authority shall grant the regulatory approval on establishing the facility.

Article (7)

The Minister shall be entitled to form a Technical Committee from the Ministry and Concerned Authorities to evaluate the applications presented to the Ministry to issue a license for any of the industrial fuel activities.

Article (8)

Upon presenting the application to the Ministry to issue a license and/or a permit for any of the industrial fuel activities, the following information and documents shall be attached:

- If the applicant is a physical person:
 1. The application presented by the concerned person including all his personal data.
 2. The Security approval.
 3. The Regulatory approval.
 4. An environmental impact assessment study approved by the Ministry of Environment.
 5. The Coordinates of the plot, where the facility is intended to be constructed in the Palestine Square.
 6. A summary of the project's economic feasibility study, a summary of the project's technical feasibility study, a description of the project's production units, project's components, project's location, investment volume, techniques intended to be used, site plans and constructions, and raw materials intended to be used in the production process.
 7. A recent deed of registration for the plot, on which the facility is intended to be established or a site lease contract.
 8. An agreement concluded with the landfill owner which authorizes him to utilize the existing waste.
- If the applicant is a legal person:
 1. An application presented by the person authorized by the physical person.
 2. The company's registration document issued by the Companies' General Control Department / of the Ministry of Industry and Trade.
 3. The Security approval.
 4. The Regulatory approval.
 5. An environmental impact assessment study approved by the Ministry of Environment.
 6. The Coordinates of the plot, where the facility is intended to be constructed in the Palestine Square.

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7. A Summary of the project's economic feasibility study, a summary of the project's technical feasibility study, a description of the project's production units, project's components, project's location, investment volume, techniques intended to be used, site plans and constructions, and raw materials intended to be used in the production process.
8. A recent deed of registration for the plot, on which the facility is intended to be established or site lease contract.
9. An agreement concluded with the landfill owner which authorizes him to utilize the existing waste.

Article (9)

The Technical Committee shall evaluate the applications presented to the Ministry in relation to activities of biodiesel and present recommendations to the Minister on accepting or rejecting the application of the permit and/or license according to the information and documents mentioned in article (8) herein.

Article (10):

The Technical Committee shall convene by invitation of its chairman or his representative in case of his absence, whenever needed. The legal quorum of its meeting shall be not less than the majority of members thereof, provided that the chairman or his representative shall be one of them. Its decisions shall be taken at least by the majority of votes of its members attending and in case of equality of votes, the decision of the meeting chairman's vote shall dominate.

Article (11)

The Committee shall convene four times at most per month and the holding of the sessions shall depend on the availability of the applications presented in this regard.

Article (12)

- a. It is conditioned that after the applicant procures the direct permit, he shall construct the facility within six months as of the date of procuring the permit and inform the Ministry in writing upon beginning the construction processes. The construction works of the facility shall be fully completed within the period determined in the permit; otherwise the approval shall be null and void.
- b. For justified reasons, the Minister may extend the period determined in the permit for an additional three months.

Article (13):

Before starting the construction of the facility, the permitted person shall comply with the following:

1. Present the engineering drawings showing the requirements of the safeguarding and self-protection to the Directorate General of Civil Defense for studying, reviewing and approval before beginning the execution.
2. Procure the necessary approvals on the facility's drawings from the competent authorities (Supreme Planning Council, the Greater Amman Municipality, Local and District Committees) and/or any other authorized authority according to the terms and conditions of the regulation applicable to the plot where the facility will be constructed.
3. Execute the constructional works according to the Jordanian National Building Codes and any instructions issued by the competent authorities according to the provisions of the Jordanian Building Law No. (7) of 1993 and amendments thereof.
4. Comply with all conditions and requirements mentioned in the study of Environmental Impact Assessment.
5. The pumps, tanks and the remaining materials and tools necessary for the electric and mechanical extensions, control and monitoring systems and the safety distance between the tanks shall be in compliance with the Jordanian standard specifications and technical rules and any regulations issued by the competent authorities.
6. Design and construct an industrial waste water treatment facility in a way guarantying that the industrial wastewater discharged by the treatment unit shall comply with the standard specification requirements of the recycled industrial wastewater.
7. Comply with the water resources protection regulations of 2011, issued by the Ministry of Water and Irrigation.
8. Separate the tanks area allocated for storing the final product from the tanks area allocated for other uses.
9. Build storage capacities for the finished products corresponding to the production capacity of the facility.
10. Develop safety programs and supplies, plans of protecting the industrial and environmental safety and emergency plans in case of an accident, such as: fire, explosion, leakage (of hazardous liquids) or natural disasters in coordination with the Directorate General of the Civil Defense Department.
11. The tanks shall be provided with certificates of examination showing that the tanks and the materials used for their manufacturing are according to the specifications approved by the Standards and Metrology Organization.
12. A statement Card and definition of hazardous and Non-hazardous substances shall be fixed on the immobile containers, on the above-ground tanks and on the entrances of storage places, treating and using the dangerous materials according to the applicable code and the basic requirements valid for places of storing hazardous materials.
13. Choose a secure location for the tanks protected by a suitable protective fence.

14. Surround the tank by a containment area to collect the materials leaking from the tank or from the equipment and attached pipes, provided that the containment region shall be able to contain (110%) of the maximum capacity of the tank.
15. The life span of the tank may not be less than twenty years.
16. Provide the storing systems and storing places with suitable systems for controlling the temperature like heating systems or thermal insulating systems to maintain the suitable temperature. The tanks shall be provided with a slow stirring system.
17. All pipe systems existing above ground shall be suitably fixed.
18. Fixed marks shall be clearly placed on the tracks of underground pipe systems.
19. The pipe systems shall be manufactured from anti-rust and corrosion resistant materials.
20. Protect the underground pipe systems from excessive surface overloads.
21. Equip the terminals of the filling pipes with a suitable threaded joint and closable cover.
22. Protect the valves from any irresponsible handling and ignorance of the mode of their status when they are either in operation or closed.
23. Install a device for examining the leakage from the tanks and pipes, keeping such device in the operation mode and checking it periodically.
24. Install a dryer in the exhausting pipes to control the humidity percentage in the emitted tail gases.

Article (14)

After completion of the facility construction, the permitted person shall inform the Ministry in writing thereby, so that the Technical Committee shall carry out a design specifications compliance examination of the facility. After ensuring that the facility is established according to the requirements stipulated in article (13) hereof, a work completion certificate for the facility construction shall be issued.

Article (15)

For purposes of granting the license for operation to the permitted person, the following shall be performed:

1. Perform a trial operation of the facility.
2. Conduct a third party inspection.
3. Provide a professional license issued by the competent authority.

Article (16)

No person may practice any of the industrial fuel activities; e.g. storage, distribution, export and others without procuring the license issued by the Ministry authorizing him to practice any of these activities and under penalty of liability.

Article (17)

In order to practice any of the industrial fuel activities, it is conditioned that the licensee shall have a valid insurance policy to cover any damages that may occur as a result of practicing this activity.

Article (18)

Upon practicing the activity, the person licensed to produce the industrial fuel shall:

1. Secure that the industrial fuel material shall be produced according to the Jordanian standard specifications and the technical rules approved by the Standards and Metrology Organization.
2. Assure that the raw materials used for manufacturing the industrial fuel material shall be provided with a guideline on the regulations and the requirements of the public safety suggesting the method of processing these materials.
3. Provide qualified personnel properly equipped and capable to operate the facility and provide services for its security and protection.
4. Provide the Ministry with monthly reports showing the production, storage and sales of the industrial fuel material.
5. Take care of the tanks to be maintained and examined periodically in order to avoid any leakage and keep records of the approved examination results.
6. Check the pipe systems for any leakage before the first use, and then carry out periodical checks.

Article (19)

The person licensed to transport and/or distribute the industrial fuel shall:

1. Comply with the instructions of transporting dangerous materials and explosive materials of 2003 and amendments thereof issued pursuant to the Temporary Traffic Law No. (47) of 2001.
2. Comply with the instructions of specifications that shall be fulfilled by the tanker trucks issued pursuant to provisions of the Temporary Traffic Law No. (47) of 2001.
3. Comply with public health regulations , that shall be fulfilled by the tank trucks transporting and distributing the industrial fuel material as follows:
 - a. Ensure the readiness of the tank truck or the transport mean as far as their electrical and mechanical systems on a continuous basis and ensure that there is no leakage from the tank trucks and the valves.
 - b. Comply with the instructions of the guiding posters of transporting dangerous or explosive materials No. (2) of 2004.
 - c. Ensure that the tank trucks transporting the raw materials from the collection centers to the facility are manufactured with materials suitable to the nature of these materials.

- d. Ensure that the valves are closed and the plugs are well installed on the pipes to avoid the leakage of biodiesel on the road surface after the filling or unloading of the tank truck.
 - e. Install back covers around the valves to protect them in case of collisions, accidents and direct hits from the back of the truck.
 - f. Install Vent Valves on all upper covers of the tank truck and ensure their good operability.
 - g. Make sure of the validity of the tires of the tank truck and not allowing the truck to move with corroded tires.
 - h. Install a spark blocker on the outlet of the exhaust pipe of the tank truck so that to direct the (sparks) towards the lower part of the truck.
 - i. Provide an automatic electric breaker / system for closing the electric circuit of the tank truck, when the electric load increases on the electric systems.
 - j. Provide a manual electric breaker to be used by the driver whenever necessary.
 - k. Have the tank truck equipped with two Powder fire extinguishers, with a capacity of (12 kg).
 - l. Determine the color yellow surrounded by two green lines on both sides of the tank truck as a distinguished color indication for the tanks that transport industrial fuel material. The kind of the loaded material and the name of the operating company shall be clearly written on both sides of the tank truck with the phrase (Danger: Flammable) using red phosphoric color on yellow background.
 - m. Install a closed collecting container on both sides of the tank truck, so that it shall not be less than (200) liters in capacity for collecting the industrial fuel leaked from the valve and the returning upper line.
4. If an emergent leakage or discharge of the industrial fuel material occurs during the transportation process, it is necessary to take the suitable measures that guarantee stopping the leakage and collecting the leaked liquid to ensure the protection of the health of humans and the environment. The Department of civil defense has to be contacted immediately after this occurrence and the necessary cleaning process has to be performed to remove the resulted contamination at the expense of the truck owner and according to the requirements of the Ministry of Environment.
 5. When distributing industrial fuel material directly to the consumer, it is necessary to attach prospectus declarations showing the precautions that have to be taken when using this material in (contact with) the polymeric compounds of the vehicles, boilers and in factories and the protection measures that have to be available during storing such materials. An agreement shall be signed between the consumer and the licensee, which obligates the consumer to comply with the prospectus declarations and obligates the licensee to incur the full responsibility for any damages that may occur as a result of using such material.

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6. Provide storage capacities according to the conditions stipulated in article (13) hereof.

Article (20)

The person licensed to import and/or export liquid industrial fuel shall:

1. Provide the storage capacities according to the conditions stipulated in article (13) herein.
2. Ensure that the liquid industrial fuel imported for local use shall be according to the standard specifications and Jordanian technical rules approved by the Standards and Metrology Organization.
3. Comply with any other conditions required by the competent authorities.

Article (21)

The industrial fuel may not be distributed in places, where there is possibility of an open fire and direct contact with food processing shops such as bakeries and others, unless the approval of Ministry of Environment is taken.

Article (22)

The Ministries and competent authorities shall perform the operations of monitoring and inspecting all activities mentioned herein to ensure their compliance with all requirements and conditions stipulated herein.

Article (23)

In case of violating the provisions of these instructions, a resolution shall be issued by the Minister for the cancellation or suspension of the permit and/or the license until the removal of the violation.

Article (24)

If the permit and/or the license is cancelled as a result of violation of these instructions provisions, it isn't allowed to apply for issuing a new permit and/or license, before the passage of two years - at least - as of the cancellation date.

Article (25)

In case of death of the licensee and/or the permitted person, his heirs shall be entitled to apply to the Ministry for the issue of a new permit and/or license within a period not exceeding the (60) days span as of date of death. It is conditioned that the permit and/or the license shall be valid until the acceptance and/or the rejection of the application according to the conditions stipulated herein.

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Article (26)

Assignment of the license and/or the permit to any physical or legal person is not allowed, unless the Ministry's consent has been taken.

Article (27)

These instructions shall be implemented in cooperation and coordination with the Ministry and the Concerned Authorities.

Article (28)

These instructions do not contradict with the instructions of any other laws, regulations and / or instructions issued by the other competent authorities according to valid laws and regulations. These instructions shall be complementary to the applicable laws, regulations and instructions, in case they include any shortage.

**Minister of Energy and Mineral Resources
Prof. Dr. Mohamed Musa Hammed**