

Reference Materials Related to Vice Minister of Environment's Participation in Pyrolysis Facility Event and Field Visit

(February 21, 2024, Waste - to-Energy Division)

1. Schedule

- ☐ 2.21 (Wed) Attendance at the commemorative event and on-site visit of RevoTech, which operates the only continuous waste plastic pyrolysis* recycling facility in Korea

* A method that continuously inputs and processes raw materials, superior in terms of thermal efficiency compared to batch pyrolysis (a method that processes after inputting raw materials for a certain period, treating each batch, interrupting, and then reprocessing)

※ (RevoTech Corp.) 311-43 Gaeun-ro, Maseong-myeon, Mungyeong-si, Gyeongsangbuk-do, Korea

2. Main Message

◆ Vice Minister Lim Sang-jun, “To advance towards a circular economy society, we must activate chemical recycling, such as pyrolysis, which can play a role in urban oil extraction.”

- “The development and commercialization of waste plastic pyrolysis technology are crucial for the transition to a circular economy society. The government also plans to actively support technological development and implement regulatory improvements to promote activity in this field.”

- ☐ To promote the **transition to a circular economy society**, **expanding high-value recycling**, such as the **pyrolysis** of waste plastics, is essential. The Ministry of Environment is actively pursuing policies to **boost pyrolysis**, including amending related regulations and expanding incentives.

- Recycling types and detailed criteria have been established to

facilitate the **utilization of pyrolysis oil in the production of naphtha**, a plastic raw material. Policies such as recognizing greenhouse gas reduction achievements and supporting unit price increases in Extended Producer Responsibility (**EPR**) subsidies are implemented to promote the transition to pyrolysis.

- Furthermore, research and development (R&D) on the recycling of waste plastics into raw materials will be promoted, with plans to proceed with the establishment and optimization of continuous pyrolysis processes and the development of monomer* production technology.

* (Monomer) Small substances that constitute the units of polymer compounds such as plastics

- Vice Minister Lim Sang-jun stated, “The government will listen to voices from the field and spare no effort in providing necessary support, along with regulatory improvements, to promote the activation of pyrolysis.”