

# FAQs RELATED TO LYNAS (M) SDN. BHD.'s PROJECT

Atomic Energy Licensing Board  
Ministry of Science, Technology and Innovation (MOSTI)  
MALAYSIA

*Ensuring Safety, Security & Safeguarding Peaceful Nuclear Activities*

- Lynas labels its radioactive wastes as 'residue' not wastes

According to the IAEA glossary, wastes mean material for which no further use is foreseen. Radioactive waste is defined as waste that contains or is contaminated with radionuclides at concentrations or activities greater than clearance levels as established by the regulatory body. According to the Atomic Energy Licensing (Radioactive Waste Management) Regulations 2011 or P.U.(A) 274, radioactive waste means substance or article that contains or is contaminated with radionuclides at activity concentrations or activities greater than clearance levels and for which no use is foreseen.

By-products generated which can be reused and/ or recycled (in other industries) are classified as residues. In the case of Lynas, the by-products containing naturally occurring radionuclides are known as residues. Lynas is in the process of carrying out research to reuse and recycle these residues.

- Lynas will cause radioactive rain from the gas released by the stack

The Radiological Impact Assessment (RIA) has determined that activities conducted by Lynas will not cause radioactive rain. Furthermore, all gases produced as a result of the plant's operations will be treated by Lynas in accordance with national regulations and international standards prior to being released through the stack. AELB will continuously monitor all emissions from the plant to verify that Lynas is complying with such regulations in order ensure public health and safety.

- Lynas did not carry out study on internal radiation exposure

Internal radiation exposure study was included in RIA as per international requirements.

- No level of radioactivity is safe

Radiation is all around us. Some areas in Perak, Selangor and Langkawi have higher than the average levels of natural radiation in Malaysia but pose no hazardous consequences. Radiation is also used in the medical field.

- Lynas plant will pollute the river with radioactive material

All industrial wastewater will be treated to comply with international standards before being discharged. There will be zero discharge of untreated wastewater. Furthermore, Thorium is not soluble in water and will not leach out into the water system.

*Terima kasih*

