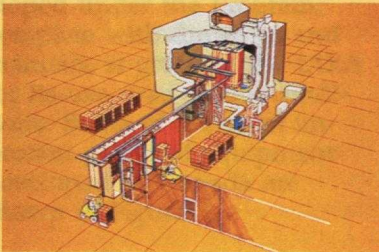


Figure 11 More Peaceful Uses of Nuclear Energy

Agriculture



Drawing of a food irradiation facility.



Irradiated compared to non-irradiated Food.

Industry

Using a radioactive source, a detector measures the liquid level inside cans permitting partially full cans to be rejected.



In this application, a radioactive source is used to expose x-ray film to check welds and piping for imperfections. This picture shows an industrial radiography "camera" in operation on petroleum pipelines.



This density gauge is used to detect changes in liquid flow inside pipes. The same pipe is being used here to transfer different types of petroleum products. The gauge tells the operator when the transfer of one product ends and the next begins.



The device in this picture measures the amount of material passing along a conveyor belt in order to optimize mineral processing.



Photos: AECS