

**INFORMATION AND ENVIRONMENTAL PERFORMANCE IN DRAFTING AN SBSC FOR
WASTE TREATMENT AND DISPOSAL
OF USED OILS**

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Environmental performance indicators are tools that are able to provide a detailed quantification of resource use (materials, energy, water) and environmental emissions (air pollutants, waste water discharges and solid refuse). The importance of environmental indicators in the production chain of used oils is closely tied to targets and this unifies with regulations and standards which, if appropriately combined, can assist the drawing up of a balanced scorecard aiming to achieve sustainability in the recycling of used oils. The paper analyses suitable methods for environmental performance assessment of the supply chain and the processing of used oils and indicates the information that is applicable for appropriate rating and ranking in a scoring system able to compare alternative processes for the treatment of used oils as well as the related financial appraisal in a “triple bottom line”. In particular, relevant information relating to the following options for oil disposal of collected waste was evaluated: Reclamation (this concerns essentially industrial oils); Direct combustion (cement works, non-industrial oil burners, incinerators); Combustion following processing, light or severe; Re-refining (Process of deasphalting by means of thermal or propane treatment, which are: INTERLINE Process; Snamprogetti process; ENTRA Process, etc.); and lastly, gasification.