

## ANNEX 15 – Site Report

- A. Since the last renewal of the IPPC permit, infilling at the Ghallis landfill has continued until the point where it is estimated that landfill lifetime is expected to last till circa 2022 at current landfilling rates, given planned infrastructural and operational improvements. Operations at the landfill tipface are expected to continue as per current practice; however, pre-treatment of wastes to be landfilled is expected to improve given the planned initiatives to improve segregation of wastes at point of generation and subsequent collection.
- B. The environmental monitoring carried out to date has been submitted to the ERA via the regular submission of the Annual Environmental Report, as required by IPPC permit conditions. The following points are worthy of note:
- The air quality monitoring results have been generally satisfactory; this requirement has been dropped from the latest revision of the Environmental Monitoring Programme.
  - Certain exceedances in ammoniacal nitrogen, arsenic, cadmium, and nickel were detected during the groundwater monitoring; however, there is no correlation with leachate composition, where a far wider range of pollutants would be expected if these levels were due to leachate overspill or leakage.
  - Odour monitoring results have indicated that odours have been noted at various points of the site perimeter; the indication is that meteorological conditions prevalent at the tip face have contributed to propagation of the odour past the site boundary. In this regard, while the use of daily cover has contributed to containing the impact, the major improvement that is required is to (1) deviate biodegradable and odorous wastes away from landfill (through improved segregation at point of source, and maintained in the subsequent collection system) and to anaerobic digestion at Malta North and the planned Organic Processing Plant, and (2) ensure sufficient processing capacity to handle all the biodegradable wastes. Wasteserv is also investing in a misting system to mitigate odours.