# Table 3: Sample Technology and Costing Template

Facility Name:
Date:

| Column 1 - Emission Reduction Option | Column 2- Abatement Technology Type/Name | Column 3 - Operating Life(i) (Years) | Column 4 - Capital Costs ($) | Column 5 - Operating Costs ($) | Column 6 – NTAC ($) | Column 7 - Contaminant 1 – POI Concentration (μg/m³) | Column 8 - Contaminant 1 – Predicted Emissions Reduction (%) | Column 9 - Contaminant 1 – Final Maximum Emission Rate (g/s) | Column 10 - Contaminant 1 – Final Max Annual Avg. Emission Rate (Tonnes/yr) | Comments - Uncertainty |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Current Status (Base Case) |  |  |  |  |  |  |  |  |  |  |
| Option A – Source 1 |  |  |  |  |  |  |  |  |  |  |
| Option A - Source 2 |  |  |  |  |  |  |  |  |  |  |
| Option A - Source n |  |  |  |  |  |  |  |  |  |  |
| Option B – Source 1 |  |  |  |  |  |  |  |  |  |  |
| Option B - Source 2 |  |  |  |  |  |  |  |  |  |  |
| Option B - Source n |  |  |  |  |  |  |  |  |  |  |

**Column Descriptions:**

1. List and, if necessary, describe the prevention technologies in each technology (combination) option consisting of a group of sources. For current status, please enter the current POI concentrations with the appropriate averaging time.
2. Type of technology proposed.
3. Predicted Equipment Operating Life.
4. One time costs include equipment costs, installation, design and engineering and consulting costs. If any capital items require periodic replacement, note in “comments column”.
5. Recurring operating costs include at least energy, labour, materials and supplies and any other recurring costs. Express as an annual cost.
6. NTAC – Net Total Annualized Costs.
7. POI Concentration (μg/m³).
8. Predicted Percentage Reductions from Current Status (First Row).
9. Current status and final predicted Emission Rate in g/s after implementation of control technology, representing a maximum averaging time period that corresponds to the standard/limit.
10. Current status and final predicted Emission Rate in Tonnes/year, reflecting operating days and conditions.
11. Comments and level of uncertainty (e.g. ±30%) in the estimates of costs, loading reductions & concentrations changes, and any information relating to the calculation of the annualized costs for other rows.

**Notes:**

1. Impact of using a fixed Operating Life (e.g. 10 years) for evaluation purposes will be assessed.
2. Ministry acceptable discount rate is 6%.