

## ANNEX NO 1

### DENOX DATA

|                                     |  |
|-------------------------------------|--|
| • Number of lines                   | : UKL plant                                      |
| • SCR reactors (Denox)              | : 1  |
| • Gas flow downstream Denox reactor | : average 55000 Nm <sup>3</sup> /hr (63500 max.) |
| • Denox cross section               | : 3200mm   |
| • Denox max. height catalyst basket | : ≈2000 mm                                       |
| • Temperature Inlet/Outlet          | : 230-300°C                                      |
| • Pressure Inlet/Outlet             | : 4,0-5,5 bar                                    |
| • Inlet NO <sub>x</sub> content     | : ≤1500 vppm or 0,15% (max)                      |
| • Inlet NO content                  | : ≤800 vppm or 0,8%                              |
| • Inlet NO <sub>2</sub> content     | : ≤700 vppm or 0,7%                              |
| • Inlet N <sub>2</sub> content      | : ≤96%   |
| • Outlet NO <sub>x</sub> content    | : ≤50 vppm                                       |
| • O <sub>2</sub> , volume % wet     | : ≥2,5%  |
| • H <sub>2</sub> O, volume % wet    | : ≤1%  |
| • CO <sub>2</sub> , volume % wet    | : 0%   |
| • Expected pressure drops           | : max 100 mbar                                   |
| • Inlet N <sub>2</sub> O content    | : max 200 vppm                                   |
| • Denox catalyst                    | : N <sub>2</sub> O-free catalyst                 |