Stage 3: Air oxidation and oxygen-depleted air generation. Oxidation of the RGH₂ oxygen-carrier with air (with option for nitrogen purification).



** Composition shown is indicative if the De-Oxo unit is run with slight excess of oxygen. As an alternative, the De-Oxo unit could be run with an excess of hydrogen to produce forming gas (Nitrogen with circa 2% hydrogen and zero oxygen content).