$$E_{CO2} = \frac{44}{12} \text{x} \frac{2000}{2205} \text{x} \left[(Ore \text{ x } C_{Ore}) + (Scrap \text{ x } C_{scrap}) + (Flux \text{ x } C_{Flux}) + (Carbon \text{ x } C_{Carbon}) + (Other \text{ x } C_{Other}) \right] \quad \text{(Eq.R-1)}$$