CO2 Emissions per year

| Moble equipment | | | Stationary sources | | |
|---|---|---|---|---|---|
| short tons | metric tons | year | short tons | metric tons | |
| 5587 | 5068 | 1 | 22204 | 20143.13574 | 14 yrs |
| 6042 | 5481 | 2 | 1586 | 1438.79541 | per yr |
| 6042 | 5481 | 3 | IML report Part 3, p. 19 | | |
| 6162 | 5590 | 4 | Yellowcake Production | | |
| 6162 | 5590 | 5 | 485 | 439.98 | per yr |
| 6162 | 5590 | 6 | 3880 | 3520.00 | 8 yrs |
| 7580 | 6876 | 7 | IML report Part 3, p. 20 | | |
| 7580 | 6876 | 8 | | | |
| 3182 | 2887 | 9 | | | |
| 1539 | 1396 | 10 | | | |
| 1418 | 1286 | 11 | | | |
| 1418 | 1286 | 12 | | | |
| 1418 | 1286 | 13 | | | |
| 1418 | 1286 | 14 | | | |
| 61710 | 55982 | total | | | |

IML Report, Part 3, p. 3

**Table 34. Total Estimated $CO_2$ Emissions Calculated for the Life of the Project**

| $CO_2$ Emissions Source | $CO_2$ Emissions (metric tons) | $CO_2$ Emissions (short tons) | |
|---|---|---|---|
| Electrical Power Consumption | 224,655 | 247,641 | 251613.6 |
| Mobile Sources | 55,982 | 61,710 | 62700.27271 |
| Stationary Sources | 20,143 | 22,204 | 22560.31203 |
| Yellowcake Production | 3,520 | 3,880 | 3942.4 |
| | 304,301 | 335,435 | 340816.5847 |

| DB Project Phase Schedule (yrs) | | | CO2 Electrical consumption (metric tons/yr) | CO2 from electrical consumption (short tons/yr) | total short tons |
|---|---|---|---|---|---|
| construction | 1 | x | 542 | 597 | 597 |
| operation | 8 | x | 22097 | 24358 | 194864 |
| restoration | 7 | x | 6685 | 7369.0 | 51583 |
| decomm | 1 | x | 542 | 597.0 | 597 |
| IML Report, Part 3, p. 3 | | | NRC SEIS | IML Report | 247641 total short tons |
| | | | Table 2.1-6 | Part 3, p. 21 | |

| conversion | |
|---|---|
| Metric Ton | Short Ton |
| 1 | 1.10231 |
| 0.907185 | 1 |

| metric tons | short tons |
|---|---|
| 38,621 | 42572.31451 |
| 1,439 | 1586.22409 |
| 8,600 | 9479.866 |

1

2

3

4

| total metric tons |
|---|
| 542 |
| 176776 |
| 46795 |
| 542 |
| 224655 |

CO2 Emissions from Product Transport Truck

| Year | Metric tons | Short tons |
|---|---|---|
| 1 | 0 | 0 |
| 2 | 19.050885 | 21 |
| 3 | 19.050885 | 21 |
| 4 | 19.050885 | 21 |
| 5 | 19.050885 | 21 |
| 6 | 19.050885 | 21 |
| 7 | 19.050885 | 21 |
| 8 | 19.050885 | 21 |
| 9 | 19.050885 | 21 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| total | 152.40708 | 168 |
| | 152.40708 | |

from IML report part 2, p. 10