# CEMENT KILNS - How do they work?

MATERIALS PROVIDED BY
MONTANA ENVIRONMENTAL
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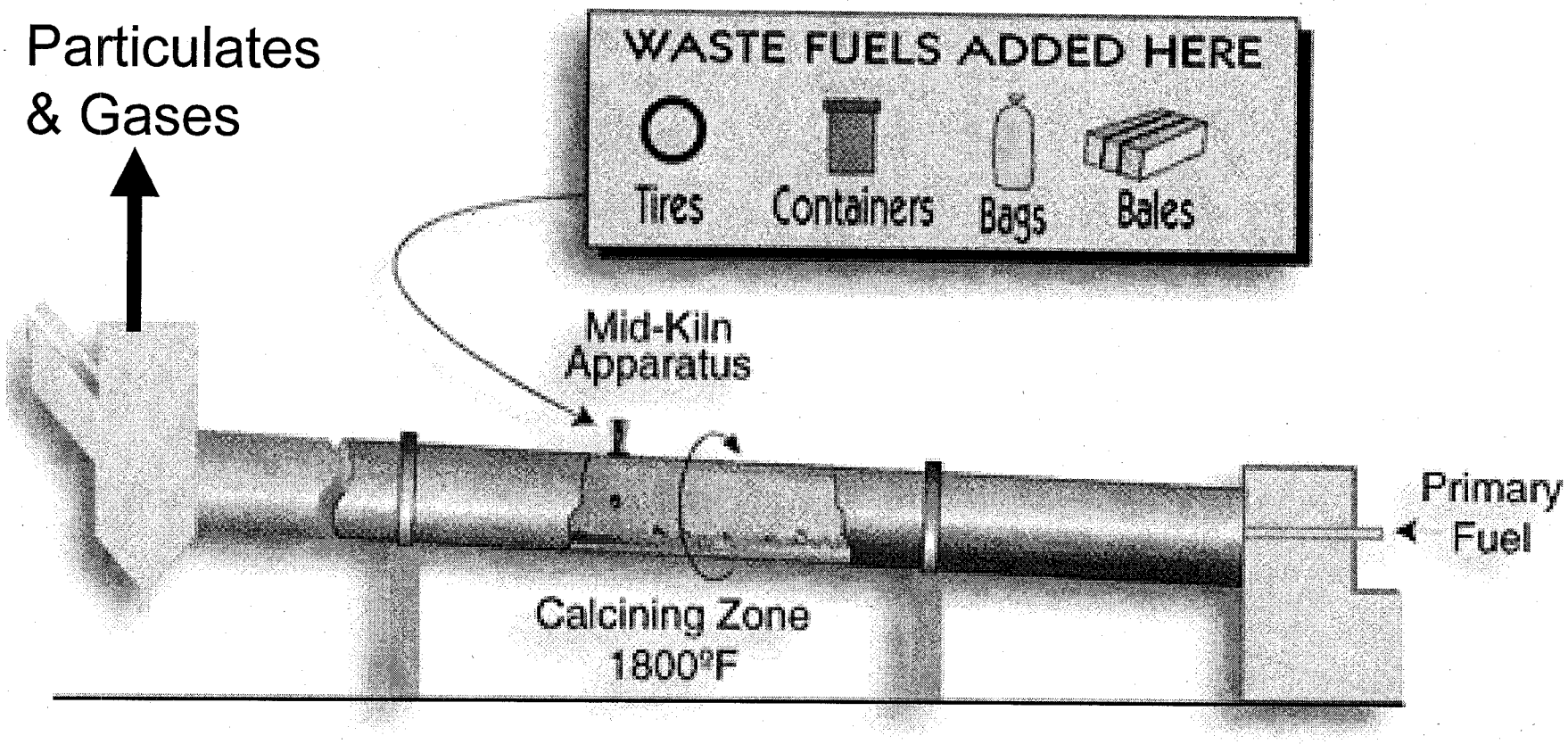


EXHIBIT 3
DATE 2-12-07
HB 408

# Where's the Slag?

"The risk assessment evaluated risks to human health and the environment associated with currently permitted operations (the baseline condition) and with proposed operation alterations (the cumulative condition) at the facility. **Both conditions included emissions from smelter slag used as an iron source**."

# Slag comparison to Iron Ore

| | Arsenic | Chromium | Manganese | Selenium | Zinc |
|---|---|---|---|---|---|
| ASARCO | 114 | 106 | 9340 | 8.8 | 23300 |
| ASARCO | 148 | 107 | 9320 | 6.4 | 18400 |
| ASARCO | 130 | 101 | 8940 | 5.9 | 18000 |
| ASARCO | 160 | 113 | 9510 | 6.0 | 19600 |
| ASARCO | 145 | 113 | 9510 | 9.5 | 19000 |
| ASARCO | 150 | 94.6 | 9370 | 5.7 | 18300 |
| Iron Ore | 24.8 | 20.3 | 214 | <5 | 220 |