International Paper Co. – Gresham Plant

ACDP No. 26-3051

Application No. 023554

**FUEL COMBUSTION:**

Natural Gas: 220 MMCF/yr 0.03 MMCF/hr 8760 hr/yr

Oil type: No. 2 258 1000 Gal/yr 174 Gal/hr 1480 hr/yr

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| Natural Gas Emissions |
| Pollutants | Emission Factor | Units | Reference | Longterm ton/yr |
| PM/PM10 | 7.6 | lb/MMCF | AP-42 | 0.8 |
| SO2 | 0.6 | lb/MMCF | AP-42 | 0.1 |
| NOX | 100 | lb/MMCF | AP-42 | 11.0 |
| CO | 84 | lb/MMCF | AP-42 | 9.2 |
| VOC | 5.5 | lb/MMCF | AP-42 | 0.6 |

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| Oil Emissions |
| Pollutants | Emission Factor | Units | Reference | Longterm, ton/yr |
| PM/PM10 | 2 | lb/1000 Gal | AP-42 | 0.3 |
| SO2 | 71 | lb/1000 Gal | AP-42 | 9.2 |
| NOX | 20 | lb/1000 Gal | AP-42 | 2.6 |
| CO | 5 | lb/1000 Gal | AP-42 | 0.6 |
| VOC | 0.34 | lb/1000 Gal | AP-42 | 0.0 |

**PROCESSES:**

Corrugator: 6240 hr/yr

Paper processed: 1.60E+09 SF/yr 300000 SF/hr

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| Corrugator/Pollutant | Emission Factor | Units | Reference | Longterm ton/yr |
| VOC | 0.0082 | lb/MSF | Emission Test | 6.56 |
| PM10 | 0.006 | lb/MSF | Engineer Estimate | 4.80 |

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| Emission Totals |
| Pollutant | Tons/yr |
| PM | 8.3 |
| PM10 | 5.9 |
| SO2 | 9.2 |
| NOX | 13.6 |
| CO | 9.9 |
| VOC | 15.8 |

Finishing throughputs 342000 lb ink/yr 5800 ton scrap

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| Finishing Inks/Pollutants | Emission Factor | Units | Reference | Longterm,ton/yr |
| VOC - avg. of 5.0% by weight | 0.0500 | lb/lb ink | Mass Balance | 8.6 |

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| Scrap Cyclones/ | Emission Factor | Units | Reference | Longterm, ton/yr |
| PM | 0.83 | lb/ton scrap | Emission test (1994) | 2.4 |