BALL-INCON GLASS PACKAGING CORP Reg #:11656

Process Emission Factors (EF File):

(1) GLASS PRODUCTION
TSPM=1.400 SOX=3.400 VOC=.2000 LB/TON
PM10=1.200 NOX=6.200 CO =.2000
AP-42 PGS 8.13-5/6 (10/86) & EPA 600/7-87/015 PG 89
SOURCE TEST 86-2 #5: 3.59 LB/HR 10,433 LB/HR => 0.69 LB/TON
SOURCE TEST 86-7 #6: 5.79 LB/HR 8,992 LB/HR => 1.29 LB/TON
SOURCE TEST 87-1 #4: 3.50 LB/HR 7,075 LB/HR => 0.99 LB/TON
PSAPCA ENGINEERING ESTIMATE OF FUGITIVE: 0.4 LB/TON TSPM
50% MATERIAL TRANSFER/50% ROOF MONITOR FUGITIVE
50% MATERIAL TRANSFER/95% ROOF MONITOR FUGITIVE TSPM IS PM10

No. 1 FURNACE WAS CONVERTED TO ALL ELECTRIC MELTING IN 1985. IT NO LONGER HAS ANY STACKS.

Source Tests (ST File):

83-01 GLASS FURNACE #5
DATE=03/07/83 TEMP= 453F CFM=31585
FACTOR=1.20 LB TSPM/TON GLASS PRODUCED
TSP=.096 gr/sdcf PPH=5.580 lb/hr

86-02 GLASS FURNACE #5
DATE=06/05/86 TEMP= 475F CFM=26384
FACTOR=.690 LB TSPM/TON GLASS PRODUCED
TSP=.089 gr/sdcf PPH=3.590 lb/hr

86-7 GLASS FURNACE #6
DATE=10/07/86 TEMP= 624F CFM=39188
FACTOR=.670 LB/TON
TSP=.045 gr/sdcf PPH=5.790 lb/hr

87-1 GLASS FURNACE #4
DATE=01/28/87 TEMP= 242F CFM=23207
FACTOR=1.00 LB/TON
TSP=.024 gr/sdcf PPH=3.500 lb/hr

Air Contaminant Emissions:

	Tons/Year 1985	1986
TSPM	142	151
SOX	345	366
NOX	629	668
VOC	20	22
CO	20	22
PM10	122	129
TAC	0	0

BALL-INCON GLASS PACKAGING CORP Reg #:11656

Air Contaminant Emissions:

	Kg/Day 1985	1986
TSPM	353	375
SOX	857	910
NOX	1563	1660
VOC	50	55
CO	50	55
PM10	303	321
TAC	0	0

Please return all pages of this 1988 Registration Form 2 titled "REGISTERED MATERIALS/PROCESSES", by May 23, 1988, with the 1987 quantities entered in blank spaces provided, any discrepancies corrected and any omitted items added.

DOUGLAS N. COBURN — Name

PLANT ENGINEER — Title

Douglas N. Coburn — Signature

3/24/88 — Date

PUGET SOUND AIR POLLUTION CONTROL AGENCY 3/23/88
Engineering Division (206) 344-7035
200 W MERCER ST #205, Seattle, WA 98119-3958

Form 3 REGISTERED EMISSION POINTS/STACKS Page 1

(Needed for atmospheric air quality modeling)

BALL-INCON GLASS PACKAGING CORP Reg #:11656
DOE #: 4

5801 E MARGINAL WAY S, SEATTLE
King County 98134-2497

Mail:
5801 E MARGINAL WAY S
SEATTLE, WA 98134-2497

FRANK GLINKA GENERAL FACTORIES MANAGER 762-0660
DOUG COBURN PLANT ENGR 762-0660

SIC # 3221 GLASS CONTAINERS

Emission Points/Stacks (EP File):

(1) GLASS FURNACE 4 UTM: 550.00/5266.52 km
TSPM= 29 SOX= 144 VOC= 8 TONS/1986
PM10= 28 NOX= 263 CO= 8
Height= 57 ft Diameter= 60 in Temp= 240 F Acfm 23200
Hours = 8568 /1985 _____/1986 _____/1987

(2) GLASS FURNACE 5 UTM: 549.90/5266.50 km
TSPM= 47 SOX= 124 VOC= 7 TONS/1986
PM10= 45 NOX= 226 CO= 7
Height= 70 ft Diameter= 41 in Temp= 475 F Acfm 26400
Hours = 8568 /1985 _____/1986 _____/1987

(3) GLASS FURNACE 6 UTM: 549.90/5266.50 km
TSPM= 28 SOX= 98 VOC= 6 TONS/1986
PM10= 27 NOX= 179 CO= 6
Height= 70 ft Diameter= 48 in Temp= 620 F Acfm 39200
Hours = 8568 /1985 _____/1986 _____/1987

(4) MATERIAL TRANSFER FUGITIVE UTM: 549.90/5266.50 km
TSPM= 22 SOX= VOC= TONS/1986
PM10= 11 NOX= CO=
Height= 80 ft Diameter=_____in Temp= 60 F Acfm_____
Hours =_____/1985 _____/1986 _____/1987

BALL-INCON GLASS PACKAGING CORP Reg #:11656

Emission Points/Stacks (EP File):

(5) ROOF MONITOR FUGITIVE UTM: 549.90/5266.50 km
TSPM= 22 SOX= VOC= TONS/1986
PM10= 21 NOX= CO=
Height= 30 ft Diameter=_____in Temp= 90 F Acfm_____
Hours =_____/1985 _____/1986 _____/1987

Please return all pages of this 1988 Registration Form 3 titled "REGISTERED EMISSION POINTS/STACKS", by May 23, 1988, with any discrepancies corrected and any omitted items added.

DOUGLAS N. COBURN — Name

PLANT ENGINEER — Title

Douglas N. Coburn — Signature

3/24/88 — Date