



ANHEUSER-BUSCH COMPANIES

April 25, 1991

Mr. Barry Andrews, P.E. - Administrator
Permitting and Standards Section
Bureau of Air Regulation
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: **Metal Container Corporation -
Gainesville Lid Plant
DER File No. AC 01-185835, PSD-FL-153**

Dear Mr. Andrews:

Attached please find supplemental information on the referenced project for your review. This information presents technical data and a revised project scope that affect the Technical Determination and Preliminary Determination and the proposed permit to construct/modify the Gainesville facility.

Please don't hesitate to call me at (314) 577-4162 with any questions.

Sincerely,

ANHEUSER-BUSCH COMPANIES, INC.

Dean E. Pusch
Sr. Environmental Scientist
Attachment

DEP:cd

**METAL CONTAINER CORPORATION -
GAINESVILLE LID PLANT
MODERNIZATION PROJECT
DER FILE NO. AC 01-185835, PSD-FL-153**

FACILITY PRODUCTION CAPACITY

Metal Container Corporation (MCC) has reevaluated the projected production requirements for the Gainesville Lid Plant with respect to the proposed modernization project. This reevaluation concluded that the production capacity of the plant, after the modernization project, can be reduced from the capacity of 11.445 billion lids originally requested in the August 1990 permit application.

The revised annual capacity of the plant will be 10.047 billion lids. This volume is based on conversion press capacity, which is consistent with previous permit applications for the plant.

FACILITY EMISSIONS

Reduction in the lid capacity and incorporation of revised VOC material usage rates result in a significant reduction of the facility's potential emissions from the emissions projected in the original August, 1990 application.

Since the original August 1990 and subsequent supporting submittals, end sealant and tab lube usage rates for 1990 became available. These usage rates reflect further reduction in usage consistent with reductions that the plant has achieved in past years.

Revised emissions were calculated, based on the average of 1989 and 1990 end sealant and tab lube usage, as well as the reduced lid capacity. Table 1 presents the revised emissions. These emissions are virtually all fugitive emissions.

The facility's potential annual emissions have dropped to 484 tons from 567 tons with the original submittals. This change will remove a potential 83 tons per year from the emission burden of the region.

The reduction in the plant's potential to emit will also reduce potential toxics emissions and their subsequent

TABLE 1

**METAL CONTAINER CORPORATION
GAINESVILLE LID PLANT
MODERNIZATION PROJECT**

VOC Emissions Basis

estimates based on conversion press capacity
 press operating efficiency 95 %
 annual operation 360 days
 usage rates 1989 & 1990 actual

Specifications

<u>module</u>	<u>conversion presses</u>	<u>speed</u>	<u>lids/min</u>	<u>annual production</u>
7	3	1800	5400	2.659 billion
6	2	1800	3600	1.773 billion
5	3	1800	5400	2.659 billion
4	2	1200	2400	1.182 billion
off-line	2	1800	3600	1.773 billion
	total		20400	10.047 billion

Compound/Solvent Specifications

<u>compound</u>	<u>typical mfg ident</u>	<u>density [lb/gal]</u>	<u>VOC content [wt frax]</u>	<u>usage rate [gal/1000lids]</u>
end sealant	DM 2140	7.82	0.405	0.0169
tab lube	J-G 3810	6.35	0.945	0.0047
solvents	Texsolve C	5.84	1.000	0.0023
	Amsco 1241	6.32	1.000	0.0002

VOC Emissions

	<u>pounds/hr</u>	<u>tons/yr</u>
Module 7		
end sealant	18.7	76.8
tab lube	9.1	37.5
Texsolve C	4.7	19.3
Amsco 1241	0.4	1.6
total	32.9	135.2

	pounds/hr	tons/yr
Module 6		
end sealant	18.7	76.8
tab lube	6.1	25.0
Texsolve C	4.7	19.3
Amsco 1241	0.3	1.1
total	29.8	122.1
Module 5		
end sealant	18.7	76.8
tab lube	9.1	37.5
Texsolve C	4.7	19.3
Amsco 1241	0.4	1.6
total	32.9	135.2
Module 4		
end sealant	9.4	38.4
tab lube	4.1	16.7
Texsolve C	2.3	9.6
Amsco 1241	0.2	0.7
total	15.9	65.4
Off-line Conversion Presses		
end sealant	0.0	0.0
tab lube	6.1	25.0
Texsolve C	0.0	0.0
Amsco 1241	0.3	1.1
total	6.4	26.1
Entire Facility		
end sealant	65.5	268.7
tab lube	34.5	141.7
Texsolve C	16.4	67.5
Amsco 1241	1.5	6.0
total	117.9	483.9

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ambient impacts. These reductions are in addition to the reductions MCC obtained by changing to heptane based clean-up solvent (see December 10, 1990 submittal). Table 2 presents the facility's potential toxic emissions. Facility-wide n-hexane emissions will be reduced to a maximum of 89 tons per year compared to 104 tons in the original submittals. Thirty-eight tons will be emitted from end sealant usage on the two new modules. The maximum 24-hour ambient n-hexane impact from facility wide emissions will be 287 $\mu\text{g}/\text{m}^3$, well below the Florida Air Toxic Working Group's No-Threat Level for n-hexane of 430 $\mu\text{g}/\text{m}^3$.

CONTROL TECHNOLOGY ASSESSMENT

Subsequent to the August 1990 application submittal, Metal Container Corporation has obtained additional technical information that invalidates assumptions made in the conceptual design of the thermal oxidation system control alternative. The original proposal assumed that the major portion of emissions occurred at the point of application, i.e., at the liners for end sealant and at the conversion presses for tab lube. As such, it was believed that an estimated 65 percent of the emissions could be captured with hoods over the liners and balancers. These streams, and the exhaust of one of the scrap cyclones, were to be ducted to a thermal oxidizer. Given the fact that there are no thermal oxidizer systems at any lid plants that could be cited to either concur with, or disprove these assumptions, the conceptual system was believed to be adequate.

MCC has since acquired information indicating that the system, as conceptually designed, will not capture an appreciable amount of the VOC emissions from end sealant due to their fugitive nature. Figure 1 presents an emission rate curve for end sealant taken from "VOC Emission Controls for Can End Sealing Compounds - A Case History" (San Diego County Air Pollution Control District, March 1986). This figure shows that 80 percent of the emissions would occur after the lining operation. This information is supported by an ERM North Central study, "Conceptual Cost Estimates for Can End Sealing Compound VOC Emission Control" (September 1984), that cites a Can Manufacturing Institute estimate that 70 percent of solvent loss occurs during the curing cycle as fugitive emissions. Curing of the lids occurs after they are palletized.

Therefore, a maximum of 30 percent of the volatiles flash-off in the immediate vicinity of the liner. Given this

TABLE 2

METAL CONTAINER CORPORATION - GAINESVILLE LID PLANT
 MODERNIZATION PROJECT

POTENTIAL TOXIC EMISSIONS (ENTIRE FACILITY)

Basis of Estimates

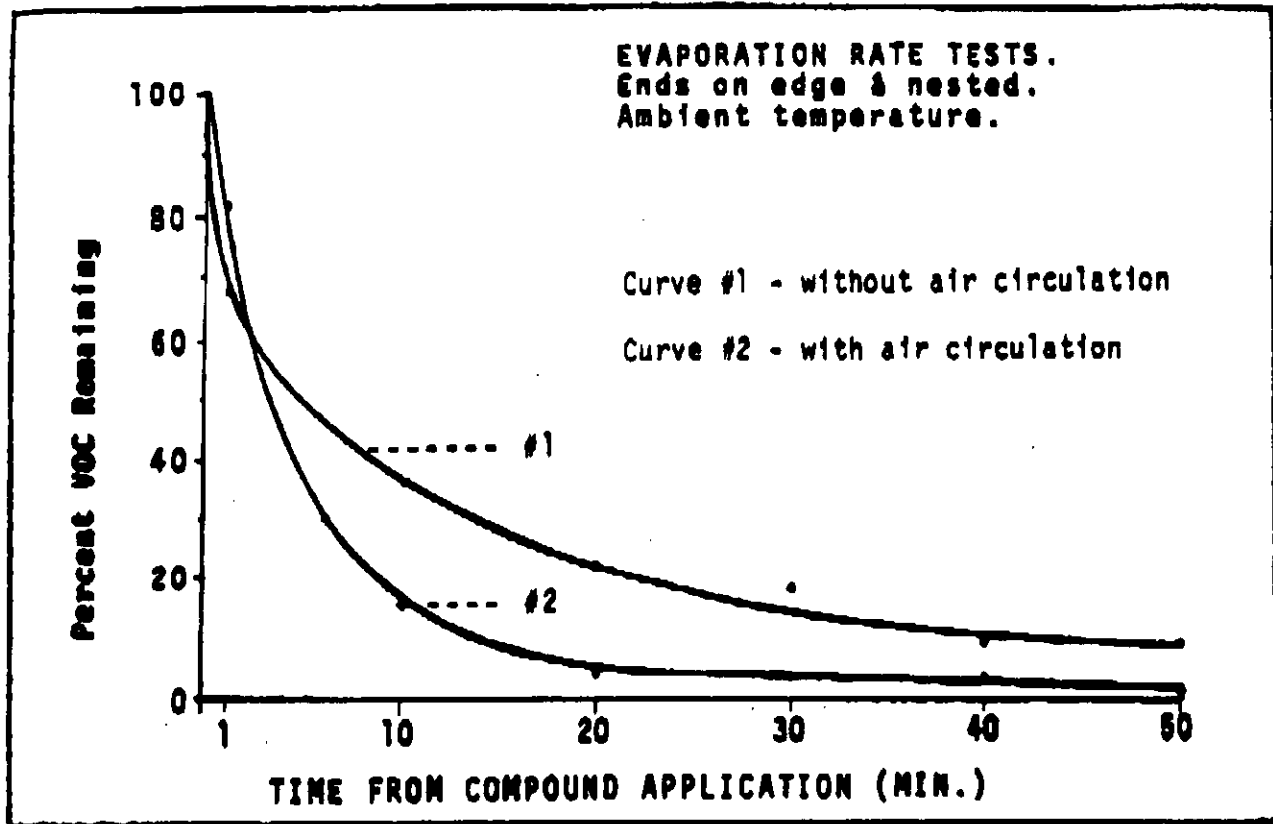
production	20400 lids/min;	10.047 billion lids/yr		
	<u>density</u> [lb/gal]	<u>usage rate</u> [gal/1000 lids]	<u>chemical</u>	<u>weight</u> percent
end sealant	7.82	0.0169	n-hexane	13
			n-heptane	3
			cyclohexane	2
			cyclohexylmethane	1
			benzene	0.001
Texsolve C	5.84	0.0023	n-hexane	4
			n-heptane	90
			cyclohexane	4
			toluene	4
			benzene	0.01
Amsco 1241	6.32	0.0002	stoddard solvent	100

Emissions

	pounds/hr	tons/yr
n-hexane	21.7	89.0
n-heptane	19.6	80.6
cyclohexane	3.9	16.0
cyclohexylmethane	1.6	6.6
toluene	0.7	2.7
benzene	0.003	0.01
stoddard solvent	1.5	6.0

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FIGURE 1



SOURCE: "VOC EMISSION CONTROLS FOR CAN END SEALING COMPOUNDS - A CASE HISTORY," MARCH 1986

information, and a vapor density for end sealant that is heavier than air, it is likely that the system would capture very little of the emissions from end sealant.

Based on the San Diego study, the only method to ensure capture of significant quantities of emissions for incineration would be to fully enclose each of the 14 liners and associated conveyors and balancers.

The enclosures would need to be constructed of Lexan to ensure complete operator visibility to allow them to monitor and manage the high speed production lines. The lower portions of the walls of the liner enclosures would need to be constructed of stainless steel to allow removal of spattered end sealant using cleanup solvents.

The enclosures would require doors to allow fork truck access to the balancers for removal of full pallets of lids. Pallets are removed from the balancers approximately every 35 minutes.

Capture efficiency and operation of the thermal oxidizer would be significantly affected by repeated access into the enclosure. Employees would enter the balancer area at least every fifteen minutes to clear jams and would enter the liner area a minimum of every two hours for cleaning. Access needs would be much higher when production problems would be encountered.

The enclosures would severely restrict access to the machines, making it very difficult to perform required maintenance. The liner nozzles and exit rails must be cleaned every two hours. The liners undergo major maintenance every six months that requires open access to the entire liner unit.

The extreme flammability of hexane, the principal solvent component of end sealant, presents significant safety problems with full enclosures. Air flow must be sufficient to maintain concentrations in the enclosures well below the lower explosive limit. The production lines would need to be shut down immediately whenever the flow through the enclosure was not adequate.

The operational and maintenance inefficiencies associated with the enclosures and equipment required for a thermal oxidation system would result in loss of production. This production loss would be required to be made up through lid

purchase on the spot market in order to meet contractual obligations.

MCC has also acquired information indicating that the system, as conceptually designed, could not capture VOC emissions from tab lube due to their fugitive nature and very low volatility. There are no tab lube emission capture systems in existence, even at facilities in the VOC non-attainment area in the South Coast Air Quality Management District of California. Therefore, without any real systems for a basis, MCC's conceptual capture system incorrectly assumed that 65 percent of tab lube emissions could be captured by ducting one of the scrap cyclone's exhaust to a thermal oxidizer.

The operational and maintenance inefficiencies would also increase manning requirements. An additional one-half man per shift would be required.

MCC has performed evaporation tests on the tab lube. This material has a vapor pressure of 0.27 mm Hg. Attachment A presents the study methodology and the resulting evaporation curve for tab lube on aluminum scrap suspended in a vacuum and tab lube in an aluminum pan incubated in a vacuum. The data show an extremely slow evaporation rate. Additional testing done for MCC in April 1991 indicates that tab lube remaining on the scrap has not completely volatilized after several days.

This slow evaporation rate is supported by operational information which shows pooling of the tab lube after it is knocked off the scrap in the turbulent environment of the scrap system duct work. Tab lube is also collected at the conversion presses for proper disposal. These facts, and the physical characteristics of the tab lube, indicate that there is little volatilization at the presses and in the scrap system; all of which invalidate the conceptual design assumptions for the tab lube emissions capture system.

The data on evaporation rate, the extremely low vapor pressure, and the fact that the scrap has a 30 second residence time in the cyclone system do not allow for capture of the tab lube emissions. Thus, capture and incineration of tab lube emissions is not a technically feasible means of control, as evidenced by the lack of any systems, even in areas where Lowest Achievable Emission Rate is required. Tab lube emissions will be minimized by automated controls on the presses that will limit tab lube usage and not allow operators to arbitrarily increase usage.

CONTROL SYSTEM COSTS

Based on the information presented above, capital costs for a system to capture and incinerate emissions due to end sealant compound use on the two new modules are estimated at \$2,680,000. This cost includes:

- o complete enclosure of the 14 liners, conveying equipment and balancers with Lexan and stainless steel;
- o automatic access doors;
- o fire protection equipment on the thermal oxidizer;
- o gas line installation;
- o ductwork; and
- o regenerative thermal oxidizer.

These costs are detailed in Attachment B.

The annualized costs, presented in Table 3, will be \$1,570,000. The capital recovery factor is based on an interest rate of 12 percent. This rate represents the return that MCC could get on its capital were it not invested in the thermal oxidizer system. The twelve percent rate is consistent with the current cost of capital, and is slightly lower than the required return on investment hurdle rate used for capital projects.

The system is assumed to capture 65 percent of the emissions from end sealant, based upon available data from experimental capture systems. A destruction efficiency of 95 percent is assumed for the regenerative thermal oxidizer. The system will control 95 tons per year of emissions from end sealant usage, representing a cost effectiveness of \$16,500 per ton of VOC removed. Therefore, capture and incineration is not best available control technology (BACT) due to these extremely excessive costs.

BEST AVAILABLE CONTROL TECHNOLOGY

The most recent BACT determinations presented by the USEPA in its BACT/LAER Clearinghouse document are:

- 1) use of low-solvent end sealant having a VOC content of 4.2 lb/gal, less water (1986); and

TABLE 3

GAINESVILLE LID PLANT MODERNIZATION
THERMAL OXIDIZER COST ANALYSIS

(1991 \$)

TOTAL CAPITAL INVESTMENT (TCI) \$ 2,680,000

ANNUAL COSTS

COST DATA

ELECTRIC CHARGE (\$/KW-HR) 0.066
 GAS CHARGE (\$/MMBTU) 4.2
 INTEREST 0.12
 USEFUL LIFE (YEARS) 10
 CAPITAL RECOVERY FACTOR (CRF) 0.1770

DIRECT ANNUAL COSTS

ANNUAL ELECTRICAL USAGE 106,317
 ANNUAL GAS USAGE 100,699
 OPERATING & MAINTENANCE LABOR (0.5 MAN/SHIFT) 120,000
 MAINTENANCE MATERIALS (100% OF LABOR) 120,000
 LID PURCHASE (COMPENSATE PRODUCTION LOSS) 397,500

 DIRECT ANNUAL COST (DAC) 844,516

INDIRECT ANNUAL COSTS

CAPITAL RECOVERY (CRF x TCI) 474,318
 OVERHEAD (60% OF OPERATING & MAINTENANCE) 144,000
 ADMINISTRATIVE CHARGES (0.02TCI) 53,600
 PROPERTY TAX (0.01TCI) 26,800
 INSURANCE (0.01TCI) 26,800

 INDIRECT ANNUAL COST (IAC) 725,518

TOTAL ANNUALIZED COST (DAC+IAC) \$ 1,570,034

EMISSION REDUCTION

EMISSIONS WITH BACT (TONS/YEAR) 484
 EMISSIONS USING THERMAL OXIDIZER (TONS/YEAR) 389
 NET REDUCTION (TONS/YEAR) 95

COST EFFECTIVENESS (\$/TON OF VOC REMOVED) \$ 16,527

 Data Sources

OAQPS Control Cost Manual, USEPA, January, 1990
 Anheuser-Busch Companies, Inc., April, 1991

- 2) use of low-solvent end sealant having a VOC content of 3.7 lb/gal, less water (1988).

Metal Container Corporation will use end sealant having a VOC content of 3.2 lb/gal, less water. This will ensure that the objective of any BACT evaluation -- to promote the use/development of more efficient emission control techniques -- is maintained. Thus, considering technical feasibility and economic reasonableness, the use of low solvent, high solids end sealant compound, and the use of automated equipment to regulate tab lube usage, is BACT for the modernization project.

ATTACHMENT A
TABE LUBE EVAPORATION CURVES



ANHEUSER-BUSCH COMPANIES

Interoffice Correspondence

April 15, 1991

To: Marlene Accardo

From: Lou Slapshak *LS*

Subject: TAB LUBE - % NON-VOLATILES RECOVERY

Confirming your request of 4/8/91, we have completed the study to measure the % Non-Volatiles in Tab Lube using two different methods.

- (1) Aluminum can stock was cut into strips (4" X 2") to provide 16 sq. inches of surface area. Each strip was cleaned and hung in a circular aluminum frame so that the surface was not in contact with the frame to minimize surface losses. The assembly was tared to constant weight and handled with clean forceps.

Four strips (A,B,C,D) were coated with the Tab Lube by dipping each into the neat Tab Lube (containing 4% dry solids). The strip was then put into the frame assembly and re-weighed to obtain the initial Tab Lube per strip (A=13.9, B=22.1, C=14.3, and D=14.8 mg/sqr. inch).

The strip-frame was then incubated under vacuum (15" Hg) at 26°C in a vacuum desiccator for various times and periodically re-weighed. The frame assembly allowed the % Non-Volatiles remaining on the strip to be measured by weighing without loss of surface residuals by touching other objects.

The % Non-Volatiles was monitored over about 4.3 hours. The results are plotted for each strip on Graph I.

- (2) A 1 gram sample of Tab Lube (containing 4% dry solids) was weighed into a tared aluminum pan (3.1 sq. inches) and incubated in a vacuum desiccator maintained at 15" Hg and 72°F. Periodically, the vacuum was released, and the sample residual weight measured. The study was run for about 3.9 hours and the results are plotted on Graph II. Results are reported as "grams tab lube in aluminum pan" which is the same as non-volatile recovery vs. time (minutes).

If you need more information about the study, please call me.

cc: J. Teng
D. Hutchinson
K. Christopher
S. Misra
F. Damhesel
T. Waskovich

GRAPH I
(METHOD #1)

PERCENT NON-VOLATILES RECOVERY

OKLAHOMA TAB-LUBE (NO. 596)

CONDITIONS: AL. STRIPS @ 4" x 2" (16 IN.² SURFACE AREA)

INITIAL TAB LUBE / STRIP (BEFORE DRYING @ 15" VACUUM - 26.2°C)

- A: 13.9 MG/IN.² ■ C: 14.3 MG/IN.²
- B: 22.1 MG/IN.² ▲ D: 14.8 MG/IN.²

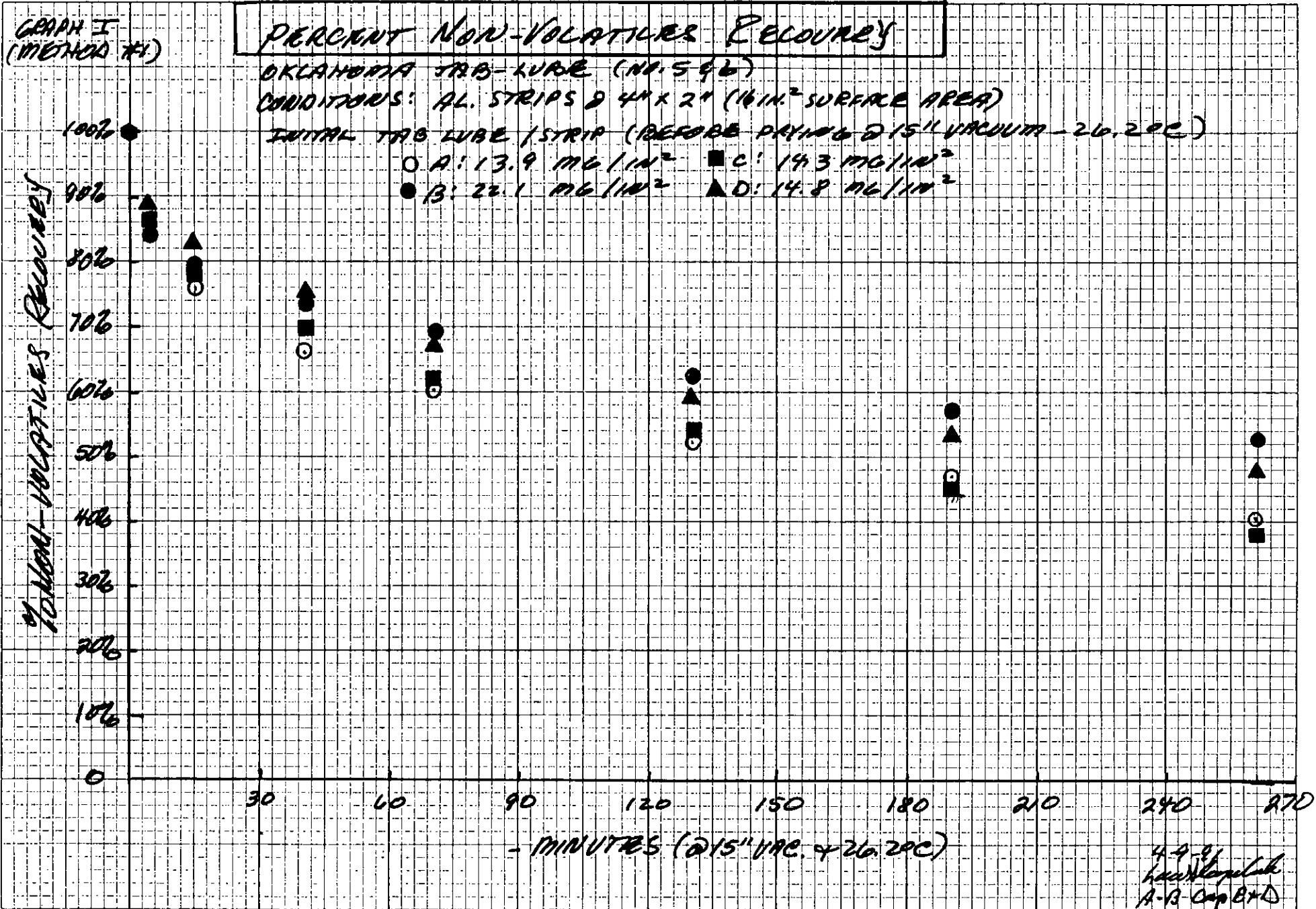
% NON-VOLATILES RECOVERY

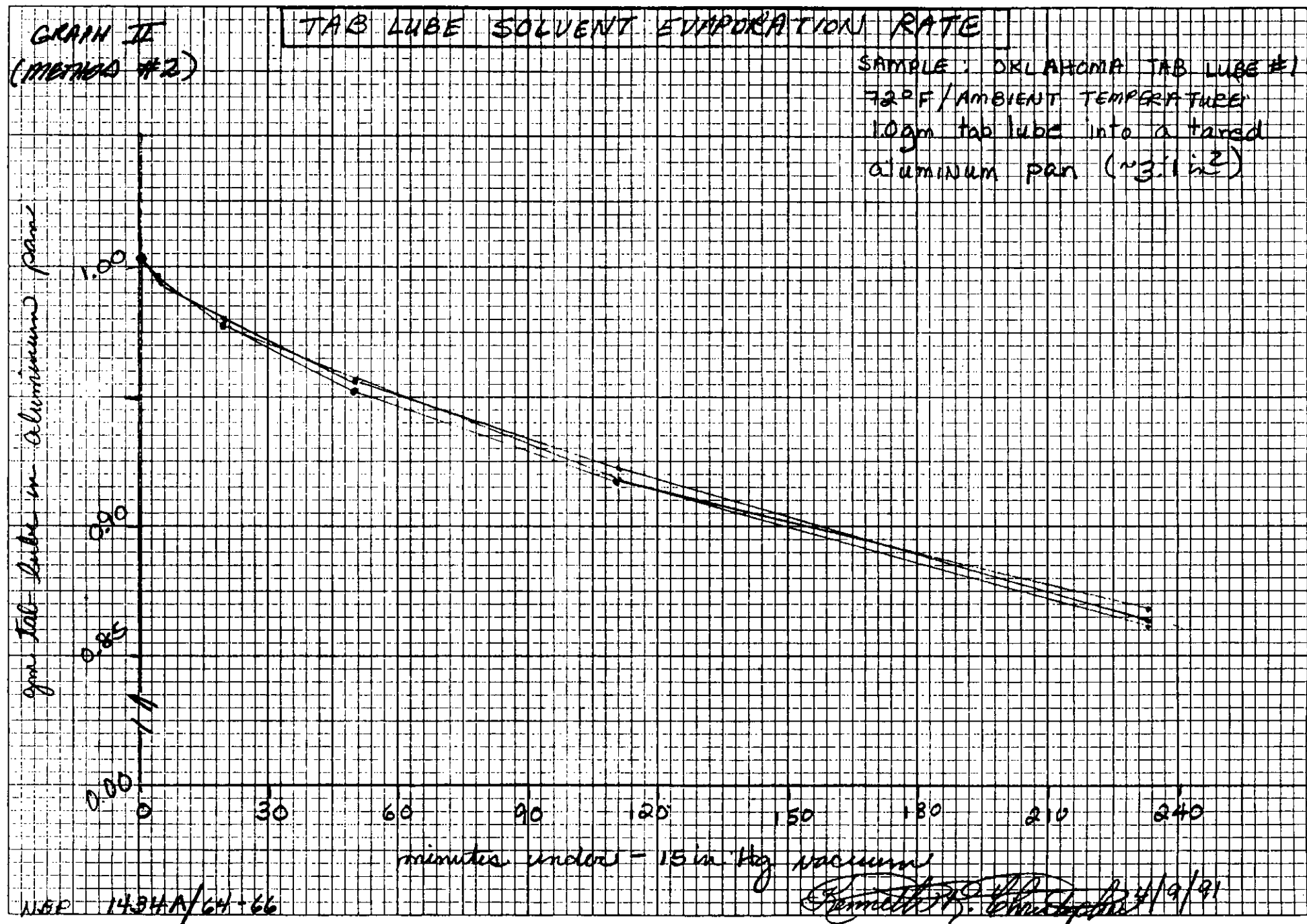
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0

30 60 90 120 150 180 210 240 RTD

- MINUTES (@ 15" VAC. & 26.2°C)

4-9-91
Kawthorpe
A-B Cap B+D
1416-170,171





ATTACHMENT B

THERMAL OXIDIZER SYSTEM COST ESTIMATE

SUBSIDIARY: MCC
 LOCATION: JACKSONVILLE BREWERY
 DATE: 04/18/91

(\$000)

Prepared By: _____
 Approved By: _____

TITLE: GAINESVILLE THERMAL OXIDIZER ADDITION

ACCT CODE	DESCRIPTION	CONTR. JOB COST	--- A-B JOB COST ---			TOTAL
			EQUIP	MATERIAL	LABOR	
CAPITAL COSTS:						
004-000	Yard Utilities	266.5				266.5
007-000	Railroads	5.9				5.9
216-000	Concrete	73.9				73.9
218-000	Misc. Metals	268.5				268.5
221-000	Siding	8.0				8.0
225-000	Doors & Frames	16.3	20.6			36.9
232-000	Fire Protection	16.0				16.0
318-000	Equipment Installation	21.3	808.5			829.8
341-000	Process Misc. Metals	7.0				7.0
343-000	Process Ventilation	101.2				101.2
353-000	C.S. Piping - 2 1/2" &	16.0				16.0
400-000	Electrical	169.5	51.5			221.0
700-000	Contractors Indirects	102.3				102.3
792-000	Tools & Equipment	26.6				26.6
920-100	Sales Tax	24.9	52.8			77.7
SUBTOTAL CAPITAL COST		1123.8	933.4			2057.2
895-100	Engineering (12%)	246.9				246.9
910-100	Constr. Support (5%)	66.9				66.9
940-100	Owner's Adds & Omits:					
	(Equip - 15%)		140.0			140.0
	(Const - 15%)	169.0				169.0
	(Engr - 0%)					
TOTAL CAPITAL COST		1606.6	1073.4			2680.0
EXPENSE COSTS:						
TOTAL EXPENSE COST						
TOTAL PROJECT COST		1606.6	1073.4			2680.0

PRIME A/C NO	DESCRIPTION	LABOR HOURS	LABOR \$	MATERIAL \$	SUBCONTRACTOR \$	AB EQUIP ALLOWANCE	TOTAL \$
004	Yard Utilities	0	0	0	266,500	0	266,500
007	Railroads	0	0	0	5,863	0	5,863
216	Concrete	1,725	47,810	23,745	2,324	0	73,879
218	Misc. Metals	4,060	112,527	51,008	104,932	0	268,467
221	Siding	0	0	0	7,995	0	7,995
225	Doors & Frames	320	7,307	0	8,980	20,600	36,887
232	Fire Protection	0	0	0	15,990	0	15,990
318	Equipment Installation	600	15,395	5,863	0	808,550	829,808
341	Process Misc. Metals	26	696	1,605	4,664	0	6,965
343	Process Ventilation	0	0	0	101,246	0	101,246
353	C.S. Piping - 2 1/2" & Greater	0	0	0	15,990	0	15,990
400	Electrical	0	0	0	169,494	51,500	220,994
700	Contractors Indirects	0	0	0	102,336	0	102,336
792	Tools & Equipment	0	0	0	26,650	0	26,650
920	Sales Tax	0	0	4,933	19,991	52,639	77,763
DIRECT PROJECT COST:		6,731	183,735	87,154	852,955	933,489	2,057,333
895 Engineering							246,880
910 Construction Support							66,852
940 Equipment Contingency							140,023
940 Construction Contingency							168,577
940 Engineering Contingency							0
GRAND TOTAL:							2,679,665

FROM: ABC CORP. PKG. SHIPPING

TO: ENVIRONMENTAL ENGR

APR 24, 1991 4:05PM #566 P.03

ANHEUSER-BUSCH COMPANIES, INC.
ESTIMATE DETAIL LISTING
FOR ESTIMATE # 90397
GAINESVILLE THERMAL OXIDIZER ADDITION

AREA	PRIME-SUB-DTL	DESCRIPTION	QUANTITY	UNIT	MATERIAL \$ /UNIT	LABOR MH /UNIT	SUBCONTR \$ /UNIT	LABOR HOURS	LABOR \$	MATERIAL \$	SUBCONTR \$	AB EQUIP ALLOWANCE	TOTAL \$
320	341-100-000	Pipe Bridge (Ext.)	35.00	LF	0.00	0.000	125.00	0	0	0	4,664	0	4,664
320	341-100-001	Fencing	170.00	LF	4.05	0.154	0.00	26	696	1,605	0	0	2,301
Process Misc. Metals TOTAL			205.00					26	696	1,605	4,664	0	6,991
<u>Process Ventilation</u>													
320	343-120-001	Ductwork	26165.00	LBS	0.00	0.000	3.50	0	0	0	97,622	0	97,622
320	343-120-002	14" x 12" Register	4.00	EA	0.00	0.000	250.00	0	0	0	1,066	0	1,066
320	343-120-003	8" x 8" Register	16.00	EA	0.00	0.000	150.00	0	0	0	2,558	0	2,558
Process Ventilation TOTAL			26185.00					0	0	0	101,246	0	101,246
<u>C.S. Pipe - 2 1/2" & Up</u>													
320	353-050-000	Gas Piping @ T.O.	1.00	LS	0.00	0.000	15000.00	0	0	0	15,990	0	15,990
C.S. Pipe - 2 1/2" & Up TOTAL			1.00					0	0	0	15,990	0	15,990
<u>Process Electrical</u>													
320	400-100-001	Exterior Lighting	4.00	EA	0.00	0.000	3000.00	0	0	0	12,792	0	12,792
320	400-100-002	Interior Lighting	14.00	EA	0.00	0.000	500.00	0	0	0	7,462	0	7,462
320	400-300-000	Process Electrical	1.00	LS	0.00	0.000	90000.00	0	0	0	95,940	20,600	116,540
320	400-300-001	PLC Control & Interlocks	1.00	LS	0.00	0.000	50000.00	0	0	0	53,300	30,900	84,200
Process Electrical TOTAL			20.00					0	0	0	169,494	51,500	221,000
<u>Indirects</u>													
320	700-100-000	Indirects	1.00	LS	0.00	0.000	96000.00	0	0	0	102,336	0	102,336
Indirects TOTAL			1.00					0	0	0	102,336	0	102,336
<u>Tools & Equipmt</u>													
320	792-102-000	Crane Rental	1.00	LS	0.00	0.000	25000.00	0	0	0	26,650	0	26,650
Tools & Equipmt TOTAL			1.00					0	0	0	26,650	0	26,650
<u>Owner Internal Acct.</u>													
320	910-118-000	Performance Testing	1.00	LS	0.00	0.000	10000.00	0	0	0	10,660	0	10,660
Owner Internal Acct. TOTAL			1.00					0	0	0	10,660	0	10,660
320	920-000-000	SALES TAX							0	4,933	20,247	52,839	78,019
DIRECT AREA COST								6,731	183,735	87,154	863,871	933,489	2,068,000

FROM: ABC CORP. PKG. SHIPPING TO: ENVIRONMENTAL ENGR
 APR 24, 1991 4:05PM #566 P.04

ANHEUSER-BUSCH COMPANIES, I W C.
ESTIMATE DETAIL LISTING
FOR ESTIMATE # 90397
GAINESVILLE THERMAL OXIDIZER ADDITION

AREA	PRIME-SUB-DTL	DESCRIPTION	QUANTITY	UNIT	MATERIAL \$ /UNIT	LABOR MH /UNIT	SUBCONTR \$ /UNIT	LABOR HOURS	LABOR \$	MATERIAL \$	SUBCONTR. \$	AS EQUIP ALLOWANCE	TOT \$
<u>Yard Utilities</u>													
320	004-100-000	Gas Line	1.00	LS	0.00	0.000	250000.00	0	0	0	266,500	0	266,500
Yard Utilities TOTAL			1.00					0	0	0	266,500	0	266,500
<u>Railroads</u>													
320	007-100-000	Demo Railroads & Repair	100.00	LF	0.00	0.000	55.00	0	0	0	5,863	0	5,863
Railroads TOTAL			100.00					0	0	0	5,863	0	5,863
<u>Concrete</u>													
320	216-100-000	Concrete Curb @ Enclosures	436.00	LF	0.00	0.000	5.00	0	0	0	2,324	0	2,324
320	216-140-000	Concrete - Equip Foundations	150.00	CY	135.00	11.500	0.00	1,725	47,810	23,745	0	0	71,555
Concrete TOTAL			586.00					1,725	47,810	23,745	2,324	0	73,879
<u>Misc. Metals</u>													
320	218-100-000	Misc Metal Framing @ Enclosure	25000.00	LBS	0.00	0.000	3.00	0	0	0	82,508	0	82,508
320	218-122-000	Lexan Enclosures	5000.00	SF	7.50	0.700	2.50	4,060	112,527	51,008	22,424	0	185,959
Misc. Metals TOTAL			31600.00					4,060	112,527	51,008	104,932	0	268,467
<u>Siding</u>													
320	221-100-000	Wall Panels @ T.O.	500.00	SF	0.00	0.000	15.00	0	0	0	7,995	0	7,995
Siding TOTAL			500.00					0	0	0	7,995	0	7,995
<u>Doors & Frames</u>													
320	225-100-000	Automatic Doors @ Enclosures	4.00	EA	0.00	80.000	2000.00	320	7,307	0	8,980	20,600	36,887
Doors & Frames TOTAL			4.00					320	7,307	0	8,980	20,600	36,887
<u>Fire Protection</u>													
320	232-100-000	Fire Protection @ T.O.	1.00	LS	0.00	0.000	15000.00	0	0	0	15,990	0	15,990
Fire Protection TOTAL			1.00					0	0	0	15,990	0	15,990
<u>Process Equipment</u>													
320	318-340-002	Thermal Oxidizer	1.00	EA	5000.00	600.000	0.00	600	15,395	5,863	0	772,500	793,858
320	118-340-003	Freight	1.00	LS	0.00	0.000	0.00	0	0	0	0	36,050	36,050
Process Equipment TOTAL			2.00					600	15,395	5,863	0	808,550	829,908
<u>Process Misc. Metals</u>													

FROM: ABC CORP. PKG. SHIPPING

TO: ENVIRONMENTAL ENGR

APR 24, 1991 4:06PM

#566 P.05

I N T E R O F F I C E M E M O R A N D U M

Date: 10-Apr-1991 11:28am GMT
From: Iris Littleton
LITTLETON_I
Dept: Office General Counsel
Tel No: 904/488-9730

TO: Ernest Frey

(FREY, ERNEST)

CC: Pat Manning

(MANNING_P)

CC: Andrew Kutyna

(KUTYNA, ANDREW)

Subject: New OGC Case Assignment

TO: Ernest Frey

FROM: Iris - OGC - Tallahassee

Received 4/08/91 request for an Administrative Hearing from Metal Container Corp. concerning permit AC01-185835.

*cc: B. Andrews
J. Heron
C. Halladay*

F. H. C. G.



Metal Container Corporation

ONE OF THE ANHEUSER-BUSCH COMPANIES

RECEIVED
APR 4 1991
DER-BAQM

FEDERAL EXPRESS MAIL - 9401964714

April 3, 1991

Mr. Clair Fancy
State of Florida
Department of Environmental Regulation
Bureau of Air Quality Management
Twin Towers Office Bldg.
2600 Blair Stone Road
Tallahassee, FL 32399

RE: Metal Container Corporation
Gainesville, FL
AC 01-185835
PSD-FL-153

Dear Mr. Fancy:

Enclosed herewith is a copy of the Gainesville Sun publication "Notice of Intent" together with their original certification of publication for the referenced permit.

Please contact me at 904-378-8800 if you have any questions concerning this matter.

Sincerely,

Joseph J. Waters
Joseph J. Waters
Plant Manager

am

enclosures (2)

cc: M. Accardo
D. Pusch
D. Lafferty
J. Douglas

*Tevese, H. ...
...
...*

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE

AIRBILL
PACKAGE
TRACKING NUMBER

9401964714

9401964714

RECIPIENT'S COPY

Date: 4/3/91

From (Your Name) Please Print: **Joseph J. Waters** Your Phone Number (Very Important): **904 378-8800** To (Recipient's Name) Please Print: **Mr. Clair Fancy** Recipient's Phone Number (Very Important):

Company: **METAL CONTAINER CORP** Department/Floor No.: Department/Company: **St. of FL DER, Air Quality Management** Department/Floor No.:

Street Address: **5009 NW 18TH DRIVE** Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): **Twin Towers Office Bldg. 2600 Blair Stone Rd.**

City: **GAINESVILLE FL** State: **FL** ZIP Required: **32606** City: **Tallahassee** State: **FL** ZIP Required: **32399**

YOUR INTERNAL BILLING REFERENCE INFORMATION (First 24 characters will appear on invoice.) IF HOLD FOR PICK-UP, Print FEDEX Address Here

Street Address: City: State: ZIP Required:

PAYMENT 1 Bill Sender 2 Bill Recipient's FedEx Acct No 3 Bill 3rd Party FedEx Acct No 4 Credit Card

5 Cash Check

SERVICES (Check only one box)		DELIVERY AND SPECIAL HANDLING (Check services required)			PACKAGES	WEIGHT in Pounds Only	YOUR DECLARED VALUE	Emp. No.	Date	Federal Express Use	
Priority Overnight Service (Delivery by next business morning!) 11 <input type="checkbox"/> YOUR PACKAGING 16 <input type="checkbox"/> FEDEX LETTER * 12 <input type="checkbox"/> FEDEX PAK * 13 <input type="checkbox"/> FEDEX BOX 14 <input type="checkbox"/> FEDEX TUBE Economy Two-Day Service (formerly Standard Air) (Delivery by second business day!) 30 <input type="checkbox"/> ECONOMY TWO-DAY SVC. † Delivery commitment may be later in some areas	Standard Overnight Service (Delivery by next business afternoon!) 51 <input type="checkbox"/> FEDEX LETTER * 52 <input type="checkbox"/> FEDEX PAK * 53 <input type="checkbox"/> FEDEX BOX 54 <input type="checkbox"/> FEDEX TUBE Heavyweight Service (for Extra Large or any package over 150 lbs.) 70 <input type="checkbox"/> HEAVYWEIGHT ** Deferred Heavyweight 80 <input type="checkbox"/> DEFERRED HEAVYWEIGHT ** **Declared Value Limit \$100 **Call for delivery schedule	1 <input type="checkbox"/> HOLD FOR PICK-UP (P.O. or Box H) 2 <input checked="" type="checkbox"/> DELIVER WEEKDAY 3 <input type="checkbox"/> DELIVER SATURDAY (Extra charge) (Not available to all locations) 4 <input type="checkbox"/> DANGEROUS GOODS (Extra charge) 5 <input type="checkbox"/> DRY ICE 6 <input type="checkbox"/> OTHER SPECIAL SERVICE 7 <input type="checkbox"/> SATURDAY PICK-UP (Extra charge) 8 <input type="checkbox"/> HOLIDAY DELIVERY (if offered) (Extra charge)	DIM SHIPMENT (Chargeable Weight) <input type="checkbox"/> _____ lbs Received At: 1 <input type="checkbox"/> Regular Stop 3 <input type="checkbox"/> Drop Box 2 <input type="checkbox"/> On-Call Stop 4 <input type="checkbox"/> BSC 5 <input type="checkbox"/> Station Release Signature: _____ Date/Time: _____	Total Total Total	<input type="checkbox"/> Cash Received <input type="checkbox"/> Return Shipment <input type="checkbox"/> Third Party <input type="checkbox"/> Chg To Del <input type="checkbox"/> Chg To Hold Street Address City State Zip Received By: X Date/Time Received: _____ FedEx Employee Number: _____	Base Charges Declared Value Charge Other 1 Other 2 Total Charges	REVISION DATE 8/90 PART #119501 FXFM 10/90 FORMAT #041 041 © 1990 F.E.C. PRINTED IN U.S.A.				

No 0738

STATE OF FLORIDA
COUNTY OF ALACHUA

THE GAINESVILLE SUN
Published Daily and Sunday
GAINESVILLE, FLORIDA

Before the undersigned authority personally appeared Bette K. Congi

who on oath says that he/she is Classified Advertising Mgr. of THE GAINESVILLE SUN, a daily

newspaper published at Gainesville in Alachua County, Florida, that the attached copy of advertisement, being a

Notice of Intent

in the matter of

in the Court, was published in said newspaper in the issue of, .

March 30, 1991

Affiant further says that the said THE GAINESVILLE SUN is a newspaper published at Gainesville, in said Alachua County, Florida, and that the said newspaper has heretofore been continuously published in said Alachua County, each day, and has been entered as second class mail matter at the post office in Gainesville, in said Alachua County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount for publication in the said newspaper.

Sworn to and subscribed before me this

1 day of Apr. A.D., 1991

Mantha A. Peterson
(Seal) Notary Public



"OFFICIAL CERTAIN COPY"
MANTHA A. PETERSON
MY COMM. EXP. 3/31/94

Bette Congi

STATE OF FLORIDA
Department of Environmental Regulation
Notice of Intent to Issue
The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Metal Container Corporation, 5909 N.W. 18th Drive, Gainesville, Alachua County, Florida, 32606, to construct/modify the Gainesville Lid Center facility. A determination of Best Available Control Technology (BACT) was required. The Department is issuing this intent to issue for the reasons stated in the Technical Evaluation and Preliminary Determination.
A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing this petition. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.
The Petition shall contain the following information:
(a) The name, address, and telephone number of each petitioner; the applicant's name and address, the Department Permit File Number, and the county in which the project is proposed;
(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
(d) A statement of the material facts disputed by Petitioner, if any;
(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this No-
tice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice. In the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 20.5-237, F.A.C.
The application is available for public inspection during business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:
Department of Environmental Regulation, Bureau of Air Regulation, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; Department of Environmental Regulation, Northeast District, 7825 Bay Meadows Way, Suite 200B, Jacksonville, Florida 32256-7577.
Any person may send written comments on the proposed action to Mr. Barry Andrews at the Department's Tallahassee address. All comments mailed within 30 days of the publication of this notice will be considered in the Department's final determination. Further, a public hearing may be requested by any person. Such requests must be submitted within 30 days of this notice.
(738) 3-30