

**Enclosure A – Item 1
Marion County, Indiana
Lead Monitoring Data**

Monitoring Site Identification	Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Local Agency Site 24 - AIRS I.D. Number: (18-097-0058) - Location: 16 th Street and Martindale - Date Established: 6/10/82 - Date Discontinued: 12/31/96 - Description: Highway emissions monitoring site	1985	.17 ug/m ³	.25 ug/m ³	.23 ug/m ³	.12 ug/m ³
	1986	.11 ug/m ³	.10 ug/m ³	.07 ug/m ³	.07 ug/m ³
	1987	.07 ug/m ³	.10 ug/m ³	.09 ug/m ³	.08 ug/m ³
	1988	.05 ug/m ³	.06 ug/m ³	.05 ug/m ³	.06 ug/m ³
	1989	.06 ug/m ³	.05 ug/m ³	.02 ug/m ³	.07 ug/m ³
	1990	.08 ug/m ³	.04 ug/m ³	.06 ug/m ³	.06 ug/m ³
	1991	.05 ug/m ³	.02 ug/m ³	.04 ug/m ³	.04 ug/m ³
	1992	.03 ug/m ³	.03 ug/m ³	.04 ug/m ³	.02 ug/m ³
	1993	.02 ug/m ³	.02 ug/m ³	.04 ug/m ³	.04 ug/m ³
	1994	.04 ug/m ³	.04 ug/m ³	.03 ug/m ³	.03 ug/m ³
	1995	.02 ug/m ³	.02 ug/m ³	.02 ug/m ³	.03 ug/m ³
	1996	.02 ug/m ³	.02 ug/m ³	.02 ug/m ³	.01 ug/m ³

**Enclosure A- Item 1
Marion County, Indiana
Lead Monitoring Data
(continued)**

Monitoring Site Identification	Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Local Agency Site 25 - AIRS I.D. Number: (18-097-0062) - Location: I-70 East - Date Established: 6/11/83 - Date Discontinued: 12/31/96 - Description: Highway emissions Monitoring site	1985	.43 ug/m ³	.37 ug/m ³	.29 ug/m ³	.17 ug/m ³
	1986	.14 ug/m ³	.12 ug/m ³	.08 ug/m ³	.12 ug/m ³
	1987	.13 ug/m ³	.12 ug/m ³	.13 ug/m ³	.07 ug/m ³
	1988	.08 ug/m ³	.09 ug/m ³	.06 ug/m ³	.08 ug/m ³
	1989	.08 ug/m ³	.06 ug/m ³	.03 ug/m ³	.07 ug/m ³
	1990	.05 ug/m ³	.04 ug/m ³	.03 ug/m ³	.05 ug/m ³
	1991	.04 ug/m ³	.02 ug/m ³	.04 ug/m ³	.03 ug/m ³
	1992	.03 ug/m ³	.02 ug/m ³	.26 ug/m ³	.02 ug/m ³
	1993	.02 ug/m ³	.02 ug/m ³	.03 ug/m ³	.04 ug/m ³
	1994	.05 ug/m ³	.06 ug/m ³	.03 ug/m ³	.03 ug/m ³
	1995	.03 ug/m ³	.03 ug/m ³	.03 ug/m ³	.03 ug/m ³
	1996	.02 ug/m ³	.02 ug/m ³	.02 ug/m ³	.01 ug/m ³

Enclosure A – Item 1
Marion County, Indiana
Lead Monitoring Data
(continued)

Identification	Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Local Agency Site 26 - AIRS I.D. Number: (18-097-0063) - Location: 7601 Rockville Road - Date Established: 1/1/84 - Still Operating - Description: located in the unclassifiable portion of the County, near the Quemetco, Inc. Facility.	1985	.52 ug/m ³	1.34 ug/m ³	.65 ug/m ³	.48 ug/m ³
	1986	1.09 ug/m ³	.84 ug/m ³	1.46 ug/m ³	.75 ug/m ³
	1987	.21 ug/m ³	.79 ug/m ³	.86 ug/m ³	.83 ug/m ³
	1988	1.23 ug/m ³	.97 ug/m ³	.62 ug/m ³	.67 ug/m ³
	1989	.76 ug/m ³	.44 ug/m ³	.83 ug/m ³	.45 ug/m ³
	1990	.50 ug/m ³	.27 ug/m ³	.91 ug/m ³	.63 ug/m ³
	1991	.40 ug/m ³	.40 ug/m ³	.27 ug/m ³	.83 ug/m ³
	1992	.37 ug/m ³	.14 ug/m ³	.18 ug/m ³	.18 ug/m ³
	1993	.02 ug/m ³	.11 ug/m ³	.18 ug/m ³	.16 ug/m ³
	1994	.13 ug/m ³	.20 ug/m ³	.10 ug/m ³	.07 ug/m ³
	1995	.06 ug/m ³	.05 ug/m ³	.08 ug/m ³	.05 ug/m ³
	1996	.03 ug/m ³	.07 ug/m ³	.03 ug/m ³	.07 ug/m ³
	1997	.03 ug/m ³	.08 ug/m ³	.05 ug/m ³	.06 ug/m ³
	1998	.08 ug/m ³	.05 ug/m ³	.08 ug/m ³	.03 ug/m ³

Enclosure A – Item 1
Marion County, Indiana
Lead Monitoring Data
(continued)

Monitoring Site Identification	Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Local Agency Site 27 - <u>AIRS I.D. Number:</u> (18-097-0069) - <u>Location:</u> 3309 S. Arlington Ave. - <u>Date Established:</u> 4/1/85 - <u>Still Operating</u> - <u>Description:</u> Located in the non-Attainment portion of The county near the Former Refined Metals Corporation Facility.	1985	Not Operating	1.18 ug/m ³	1.21 ug/m ³	1.65 ug/m ³
	1986	2.49 ug/m ³	.72 ug/m ³	1.29 ug/m ³	.81 ug/m ³
	1987	.57 ug/m ³	.51 ug/m ³	.92 ug/m ³	1.15 ug/m ³
	1988	1.34 ug/m ³	.79 ug/m ³	.35 ug/m ³	.90 ug/m ³
	1989	1.13 ug/m ³	.57 ug/m ³	.52 ug/m ³	.58 ug/m ³
	1990	1.68 ug/m ³	.44 ug/m ³	.86 ug/m ³	.46 ug/m ³
	1991	.27 ug/m ³	.14 ug/m ³	.27 ug/m ³	.19 ug/m ³
	1992	.21 ug/m ³	.18 ug/m ³	.34 ug/m ³	.38 ug/m ³
	1993	.16 ug/m ³	.02 ug/m ³	.03 ug/m ³	.14 ug/m ³
	1994	.19 ug/m ³	.51 ug/m ³	.12 ug/m ³	.09 ug/m ³
	1995	.09 ug/m ³	.06 ug/m ³	.02 ug/m ³	.03 ug/m ³
	1996	.02 ug/m ³	.02 ug/m ³	.02 ug/m ³	.02 ug/m ³
	1997	.01 ug/m ³	.02 ug/m ³	.01 ug/m ³	.01 ug/m ³
	1998	.02 ug/m ³	.05 ug/m ³	.02 ug/m ³	.01 ug/m ³

Enclosure A – Item 2
Marion County, Indiana
Lead Monitoring Data
(continued)

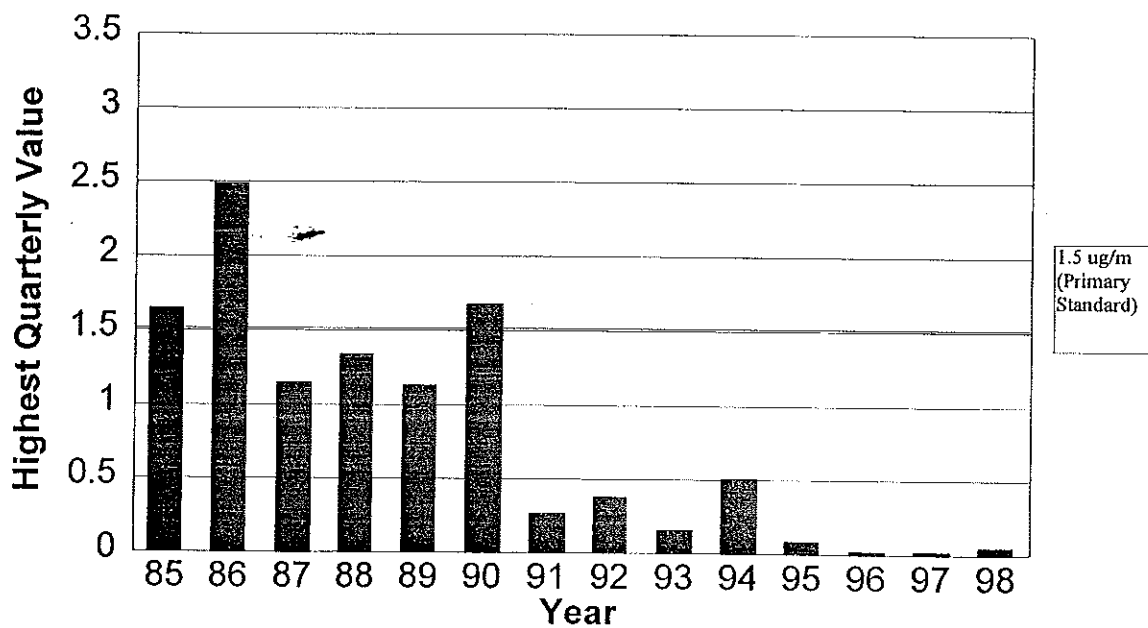
Monitoring Site Identification	Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Local Agency Site 28 - AIRS I.D. Number: (18-097-0075) - Location: 3700 S. Arlington Avenue - Date Established: 4/24/91 - Still Operating - Description: Located in the non-Attainment portion of The county near the Former Refined Metals Corporation Facility.	1991	Not Operating	.53 ug/m ³	1.09 ug/m ³	1.64 ug/m ³
	1992	1.53 ug/m ³	.96 ug/m ³	.73 ug/m ³	.96 ug/m ³
	1993	2.19 ug/m ³	.06 ug/m ³	.10 ug/m ³	.60 ug/m ³
	1994	3.18 ug/m ³	2.03 ug/m ³	.62 ug/m ³	.53 ug/m ³
	1995	.94 ug/m ³	.41 ug/m ³	.07 ug/m ³	.12 ug/m ³
	1996	.16 ug/m ³	.05 ug/m ³	.05 ug/m ³	.08 ug/m ³
	1997	.06 ug/m ³	.05 ug/m ³	.02 ug/m ³	.03 ug/m ³
	1998	.04 ug/m ³	.05 ug/m ³	.02 ug/m ³	.01 ug/m ³

Enclosure A - Item 1
Marion County, Indiana
Lead Monitoring Data
(Continued)

Monitoring Site Identification	Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Local Agency Site 36 - AIRS I.D. Number: (18-097-0076) - Location: 230 S. Girls School Road - Date Established: 5/6/91 - Still Operating - Description: located in the unclassifiable portion of the County, near the Quemetco, Inc. Facility.	1991	not in operation	.10 ug/m ³	.15 ug/m ³	.21 ug/m ³
	1992	.11 ug/m ³	.06 ug/m ³	.10 ug/m ³	.06 ug/m ³
	1993	.08 ug/m ³	.06 ug/m ³	.05 ug/m ³	.06 ug/m ³
	1994	.13 ug/m ³	.08 ug/m ³	.04 ug/m ³	.04 ug/m ³
	1995	.06 ug/m ³	.08 ug/m ³	.05 ug/m ³	.05 ug/m ³
	1996	.04 ug/m ³	.02 ug/m ³	.02 ug/m ³	.02 ug/m ³
	1997	.02 ug/m ³	.05 ug/m ³	.04 ug/m ³	.02 ug/m ³
	1998	.02 ug/m ³	.05 ug/m ³	.03 ug/m ³	.02 ug/m ³

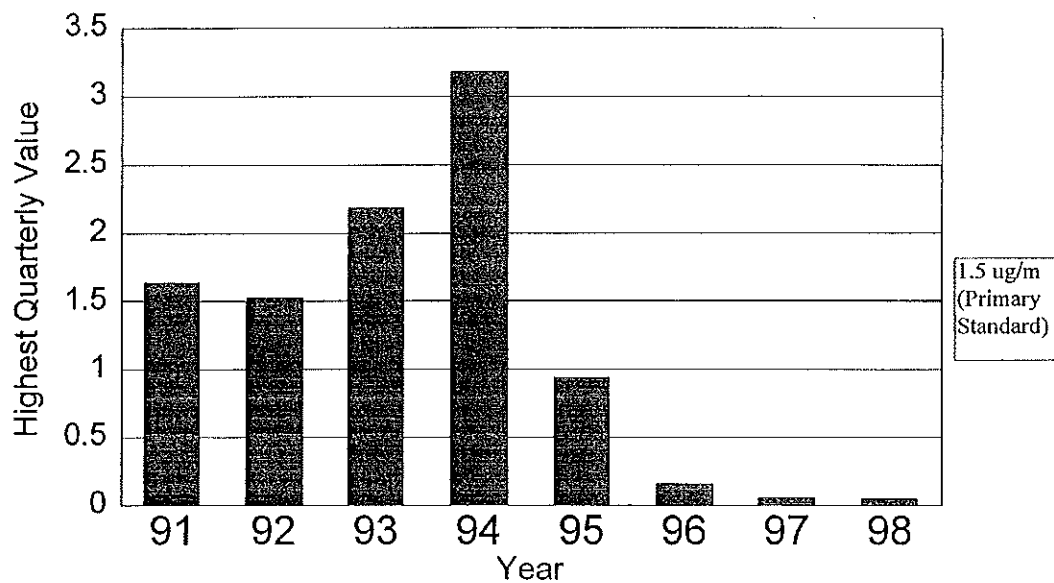
Location	Year	Highest Quarterly Value
3309 S. Arlington	85	1.65
3309 S. Arlington	86	2.49
3309 S. Arlington	87	1.15
3309 S. Arlington	88	1.34
3309 S. Arlington	89	1.13
3309 S. Arlington	90	1.68
3309 S. Arlington	91	0.27
3309 S. Arlington	92	0.38
3309 S. Arlington	93	0.16
3309 S. Arlington	94	0.51
3309 S. Arlington	95	0.09
3309 S. Arlington	96	0.02
3309 S. Arlington	97	0.02
3309 S. Arlington	98	0.05

PB Nonattainment-Marion Co. 3309 South Arlington Avenue



Location	Year	Highest Quarterly Value
3700 S. Arlington	91	1.64
3700 S. Arlington	92	1.53
3700 S. Arlington	93	2.19
3700 S. Arlington	94	3.18
3700 S. Arlington	95	0.94
3700 S. Arlington	96	0.16
3700 S. Arlington	97	0.06
3700 S. Arlington	98	0.05

PB Nonattainment-Marion Co. 3700 South Arlington Avenue



Enclosure A - Item 3

Marion County

TABLE I

Lead Levels 1996-1997
Highest Quarterly Readings Per Site

<u>Site</u>	<u>Highest Readings - ug/m³</u>	<u>Quarter</u>	<u>Year</u>
AIRS I.D. 18-097-0063 (Local Agency Site 26) (unclassifiable area)	.08	second	1997
AIRS I.D. 18-097-0069 (Local Agency Site 27) (non-attainment area)	.02	all four second	1996 1997
AIRS I.D. 18-097-0075 (Local Agency Site 28) (non-attainment area)	.16	first	1996
AIRS I.D. 18-097-0076 (Local Agency Site 36) (unclassifiable area)	.05	second	1997

As noted above and supported by Enclosure A - Item 1, the highest calendar quarterly average in Marion County during the 2 year attainment demonstration period (1996-1997) was .16 ug/m³ (compared to a standard of 1.5 ug/m³).

Enclosure A - Item 3 (continued)

Marion County

TABLE II

LEAD LEVELS 1985-1998
ALL EXCEEDANCES OF THE QUARTERLY LEAD STANDARDS

<u>Site</u>	<u>Quarterly Exceedances - ug/m³</u>	<u>Quarter</u>	<u>Year</u>
AIRS I.D. 18-097-0063 (Local Agency Site 26) (unclassifiable area)		none	
AIRS I.D. 18-097-0069 (Local Agency Site 27) (non-attainment area)	1.65 2.49 1.68	fourth first first	1985 1986 1990
AIRS I.D. 18-097-0075 (Local Agency Site 28) (non-attainment area)	1.64 1.53 2.19 3.18 2.03	fourth first first first second	1991 1992 1993 1994 1994
AIRS I.D. 18-097-0076 (Local Agency Site 36) (unclassifiable area)		none	

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AIRS FACILITY SUBSYSTEM QUICK LOOK REPORT

PB YEARLY EMISSIONS > 0 TONS PER YEAR FOR MARION COUNTY

0 DATE: 03/26/99

0 MARION 0002 AMERICAN ART CLAY COMPANY

0002 AMERICAN ART CLAY COMPANY

0 MARION

0005 BRIDGEPORT BRASS DBA OLIN BRASS

0008	CENTRAL SOYA COMPANY INC
0009	CENTRAL STATE HOSPITAL

0011 CHRYSLER CORPORATION

0012 CHRYSLER CORP IND EDRY 1100 S TIBBS INDY

0014 NATIONAL RAILROAD PASSENGER CORPORATION

0017 ALLISON TRANSMISSION DIV PLANT 3

ALLISON TRANSMISSION DIVISION OF GMC
ELI LILLY AND COMPANY
0019

0021 FORD MOTOR COMPANY

VISTEON AUTOMOTIVE SYSTEMS

0022 DOA FT. BENJ HARRISON

0025 LINK-BELT BEARING-REXNORD CORPORATION

S/YR	POL	YR
0.4800240	PB	93
0.0371888	PB	96
0.0380960	PB	97
0.0382400	PB	98
0.0027386	PB	90
0.0000000		96
0.0023643	PB	90
0.0000040	PB	90
0.0000000		96
0.0000000		97
0.0000000		98
0.0013755	PB	88
0.0013755		90
0.2750000	PB	85
0.5740000	PB	96
0.0000000	PB	97
0.0000000	PB	98
0.0005360	PB	90
0.0000000		96
0.0007666	PB	90
0.0003656	PB	93
0.0005809	PB	96
0.0006192	PB	97
0.0030000	PB	96
0.0000000	PB	98
0.0057079	PB	90
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0.0001598	PB	96
0.0005472	PB	97
0.0004320	PB	98
0.0001968	PB	90
0.0001968		93
0.0001675	PB	96
0.0000000	PB	97
0.0000000	PB	98
0.0000388	PB	90
0.0162974	PB	93
0.0017702	PB	96
0.0016034	PB	97
0.0002200	PB	98

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DATE: 03/26/99
AIRS FACILITY SUBSYSTEM QUICK LOOK REPORT
PB YEARLY EMISSIONS > 0 TONS PER YEAR FOR MARION COUNTY

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COUNTY	PLANT ID	PLANT NAME	EMISSIONS IN TONS/YR	POL	YR
0	0033	IPALCO - STOUT	7.1167750	PB	90
			0.0000156	PB	93
			0.0342931	PB	96
			0.0639800	PB	98
			0.4107990	PB	90
	0034	IPALCO - PERRY K	0.0094868	PB	93
			0.0967112	PB	96
			0.0370904	PB	97
			0.0391320	PB	98
	0036	REFINED METALS CORP 3700 S ARLINGTON BEE	2.0000000	PB	85
		REFINED METALS CORP	0.0179100	PB	96
	0039	INDIANAPOLIS CASTING CORPORATION	0.0000675	PB	90
			0.0201100	PB	96
			0.0201100	PB	97
			0.0201100	PB	98
	0041	WISHARD MEMORIAL HOSPITAL	0.0000029	PB	97
			0.0000030	PB	98
	0047	THOMSON CONSUMER ELECTRONICS	0.0000042	PB	96
			0.0000000	PB	97
			0.0000000	PB	98
	0049	REILLY INDUSTRIES INC	0.0000218	PB	90
			0.0002358	PB	93
			0.0000000		96
			0.0000000		97
			0.0000000		98
	0051	MARATHON OIL COMPANY	0.0000231	PB	93
	0060	UNION CARBIDE CORPORATION PRAXAIR	0.0000034	PB	88
			0.0000000	PB	96
			0.0000000	PB	97
			0.0000000	PB	98
	0061	CITIZENS GAS & COKE	0.0000294	PB	90
			0.0000258	PB	96
			0.0001362	PB	97
			0.0001500	PB	98
	0063	INTER-STATE FOUNDRY CO. INC.	0.0562912	PB	93
	0063	INTERSTATE CASTINGS, INC.	0.0641543	PB	96
			0.0787060	PB	97
			0.0571000	PB	98
	0065	RICHARDSON CO - WITCO	0.1438000	PB	90
			0.0804000	PB	96
			0.0738000	PB	97

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AIRS FACILITY SUBSYSTEM QUICK LOOK REPORT
PB YEARLY EMISSIONS > 0 TONS PER YEAR FOR MARION C

0 DATE: 03/26/99

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COUNTY

PLANT	PLANT
ID	NAME

EMISSIONS
IN TONS/YR

POT.

YR

0065 RICHARDSON CO - WITCO
0068 INDIANA GIRLS SCHOOL

0.0628000	PB	98
0.0002994	PB	90
0.0002994		93
0.0000028	PB	96
0.0000003	PB	97
0.0000000	PB	98

0070 ALLISON GAS TURBINE DIVISION - PLANT 5

0.0117943 PR 88

ALLISON ENGINE COMPANY - PLANT 5
ALLISON ENGINE CO INC PLANT 8

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0071 ALLISON GAS TURBINE DIVISION - PLANT 8

[illegible]

0071 ALLISON GAS TURBINE DIVISION - PLANT 8
ALLISON ENGINE COMPANY - PLANT 8
ALLISON ENGINE COMPANY, INC. - PLANT 8

0.0000018 PB 93

0074 ELI LILLY AND COMPANY

[illegible]

0079 QUEMETCO 900 QUEMETCO DR

17-1260000 PR 85

QUEMETCO, INC.
QUEMETCO, INC.
QUEMETCO, INC.

1.4850000	PB	93
1.6700000	PB	96

0098 ASPHALT MATERIAL AND CONSTRUCTION INC

0.0000008 Pa

0100 NAVAL AVIONICS CENTER
RAYTHEON

[illegible]

0123 OGDEN MARTIN SYSTEMS OF INDIANAPOLIS

0.0005361 PB 90

0163 ST. FRANCIS HOSPITAL - BECH GROVE

0.0130000 MB 96

0199 FARM FANS, INC.

[illegible]

0.0000000 PM 97

1
0
0
0
DATE: 03/26/99
PB YEARLY EMISSIONS > 0 TONS PER YEAR FOR MARION COUNTY

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COUNTY		PLANT		EMISSIONS		POL	YR
ID	NAME	ID	NAME	IN TONS/YR			
0199	FARM FANS, INC.			0.0000000	PB		98
0229	COMMUNITY HOSPITAL EAST			0.0000002	PB		96
				0.0000060	PB		97
				0.0000000	PB		98
0251	EASTERN ELECTRIC APPARATUS REPAIR CO.			0.0006000	PB		96
				0.0004000	PB		97
				0.0002000	PB		98
0256	ALTEC INDUSTRIES, INC.			0.0178959	PB		96
				0.0000000	PB		98
0300	CLARIAN HEALTH PARTNERS			0.2200000	PB		97
				0.2200000	PB		98
0310	ROLLS ROYCE/ALLISON (COMBO PLANTS 5 AND 8)			0.0000000	PB		97
				0.0000000	PB		98

Enclosure B - Item 2

Emission Inventory Data

Trend Summary

	<u>Marion County</u>						
	<u>1985</u>	<u>1988</u>	<u>1990</u>	<u>1993</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>
Total Emissions	19,401	.001	9.331	2.054	2.897	1.801	1.050
% From Plants > 5 tpy	98+	0	76+	0	0	0	0
% From Plants > .2 tpy	100	0	76+	95+	77+	86	71+
# Plants > 5 tpy	1	0	1	0	0	0	0

County	ID	Plant Name	PE	Seg.	Seg Description	Pollutant	SCG	Thruput	Year	Segment	Emission Factor	Control Efficiency	Growth Factor	Projected Emissions 2010
MARION	0047	THOMSON CONSUMER ELECTRONICS	002	01	USED HYDRAULIC OIL	PB	10200501	0000021	96	0.0000042	0.000	0.000	1.2067	0.0000061
MARION	0061	CITIZENS GAS & COKE	002	01	DIST OIL-BOILER #1	PB	10200501	0000172	96	0.0000086	0.000	75.000	1.2067	0.0000104
MARION	0061	CITIZENS GAS & COKE	003	01	DIST OIL-BOILER #2	PB	10200501	0000172	96	0.0000086	0.000	75.000	1.2067	0.0000104
MARION	0061	CITIZENS GAS & COKE	004	01	DIST OIL-BOILER #3	PB	10200501	0000172	96	0.0000086	0.000	75.000	1.2067	0.0000104
MARION	0063	INTERSTATE CASTINGS, INC.	001	01	MELTING-INDUCTION FURNACE	PB	30400303	0004012	96	0.0641943	0.000	24.750	1.0605	0.0080327
MARION	0065	CONNOR CORP. - RICHARDSON DIVISION	015	16	DIE CASTING	PB	30400401	0000804	96	0.0804000	0.200	0.000	1.0605	0.0082605
MARION	0068	INDIANA GIRLS SCHOOL	001	02	ERIE BOILER #1 - GAS/OIL	PB	10300501	0000007	96	0.0000014	0.000	0.000	1.3062	0.0000018
MARION	0068	INDIANA GIRLS SCHOOL	002	02	ERIE BOILER #2 - GAS/OIL	PB	10300501	0000007	96	0.0000014	0.000	0.000	1.3062	0.0000018
MARION	0070	ALLISON ENGINE CO. INC. PLANT 8	002	01	B&W BOILER 2 PLANT 5	PB	10200205	0010519	86	0.0696513	0.013	85.000	1.2067	0.0000000
MARION	0070	ALLISON ENGINE CO. INC. PLANT 8	003	01	B&W BOILER 3 PLANT 5	PB	10200205	000164	96	0.0343405	0.000	0.000	1.2067	0.00414365
MARION	0070	ALLISON ENGINE CO. INC. PLANT 8	004	01	B&W BOILER 4 PLANT 5	PB	10200205	0005907	96	0.0459315	0.000	0.000	1.2067	0.0544251
MARION	0071	ALLISON ENGINE COMPANY, INC. - PLANT 8	002	01	BOILER #4 - #6 FUEL OIL	PB	10200401	0000306	96	0.0005425	0.000	0.000	1.2067	0.0007754
MARION	0071	ALLISON ENGINE COMPANY, INC. - PLANT 8	003	01	BOILER #5 - #6 FUEL OIL	PB	10200401	0000104	96	0.0002184	0.000	0.000	1.2067	0.0002835
MARION	0074	ELI LILLY AND COMPANY	004	01	BOILER #6 - #6 FUEL OIL	PB	10200401	0000104	96	0.0002184	0.000	0.000	1.2067	0.0002835
MARION	0074	ELI LILLY AND COMPANY	005	01	PHARMA PROCESS	PB	30106039	0000011	96	0.0000000	0.000	0.000	1.1707	0.0000000
MARION	0074	ELI LILLY AND COMPANY	006	01	NATURAL GAS BOILER #1	PB	10300602	0000032	96	0.0490000	0.000	0.000	1.3062	0.0540047
MARION	0074	QUOMETCO, INC.	006	01	NATURAL GAS BOILER #2	PB	10300602	0000032	96	0.0490000	0.000	0.000	1.3062	0.0540047
MARION	0079	QUOMETCO, INC.	3.1	01	REVERB FURNACE MAIN FLUE	PB	30400402	0133500	96	0.0400000	0.000	94.050	1.0605	0.0424182
MARION	0079	QUOMETCO, INC.	3.1	03	REVERB FURNACE ANGLARY	PB	30400402	0133500	96	0.0400000	0.000	94.050	1.0605	0.0424182
MARION	0079	QUOMETCO, INC.	3.2	01	COLD CHARGE EAF	PB	30400402	0028900	96	0.4200000	0.000	94.050	1.0605	0.4463909
MARION	0079	QUOMETCO, INC.	3.3	01	HOT CHARGE EAF	PB	30400402	0009275	96	0.4200000	0.000	94.050	1.0605	0.4463909
MARION	0079	QUOMETCO, INC.	4.0	01	GENERAL VENTILATION	PB	30400402	0000000	96	0.9000000	0.000	94.050	1.0605	0.0106045
MARION	0079	QUOMETCO, INC.	K18	01	REFINING KETTLES	PB	30400402	0086185	96	0.2800000	0.000	94.050	1.0605	0.2757182
MARION	0123	OGDEN MARTIN SYSTEMS OF INDIANAPOLIS	001	01	MASS BURN INCINER. UNIT 1	PB	50100102	0225552	96	0.0020400	0.000	99.800	1.0000	0.0020400
MARION	0123	OGDEN MARTIN SYSTEMS OF INDIANAPOLIS	002	01	MASS BURN INCINER. UNIT 2	PB	50100102	0225552	96	0.0020400	0.000	99.800	1.0000	0.0020400
MARION	0123	OGDEN MARTIN SYSTEMS OF INDIANAPOLIS	003	01	MASS BURN INCINER. UNIT 3	PB	50100102	0225552	96	0.0020400	0.000	99.800	1.0000	0.0020400
MARION	0163	ST. FRANCIS HOSPITAL - BEECH GROVE	001	11	BOILER #1 ON #2 FUEL OIL	PB	10300501	0000000	96	0.0000000	0.000	0.000	1.3062	0.0000000
MARION	0163	ST. FRANCIS HOSPITAL - BEECH GROVE	002	21	BOILER #2 ON #2 FUEL OIL	PB	10300501	0000000	96	0.0000000	0.000	0.000	1.3062	0.0000000
MARION	0163	ST. FRANCIS HOSPITAL - BEECH GROVE	003	31	BOILER #3 ON #2 FUEL OIL	PB	10300501	0000000	96	0.0000000	0.000	0.000	1.3062	0.0000000
MARION	0163	ST. FRANCIS HOSPITAL - BEECH GROVE	004	04	INCINERATER	PB	50200505	0000208	96	0.0130000	0.000	56.250	1.0000	0.0130000
MARION	0163	FARM FANS, INC.	002	01	BAKED ON ENAMEL BOOTH A&B	PB	40200101	0000007	96	0.0086287	25.000	89.910	1.1707	0.0103355
MARION	0229	COMMUNITY HOSPITAL EAST	007	01	BOILER #2 OIL BACK-UP	PB	10200501	0000000	96	0.0000002	0.000	0.000	1.2067	0.0000002
MARION	0251	EASTERN ELECTRIC APPARATUS REPAIR CO.	007	01	BEARING POT	PB	30400401	0000006	96	0.0005000	0.000	0.000	1.0605	0.0005000
MARION	0256	ALTEC INDUSTRIES, INC.	001	01	BASE SOLVENT APPLICATION	PB	40200110	0003503	96	0.0178959	0.020	49.000	1.1707	0.0209602
							TOTAL			2.8566063				3.1453062

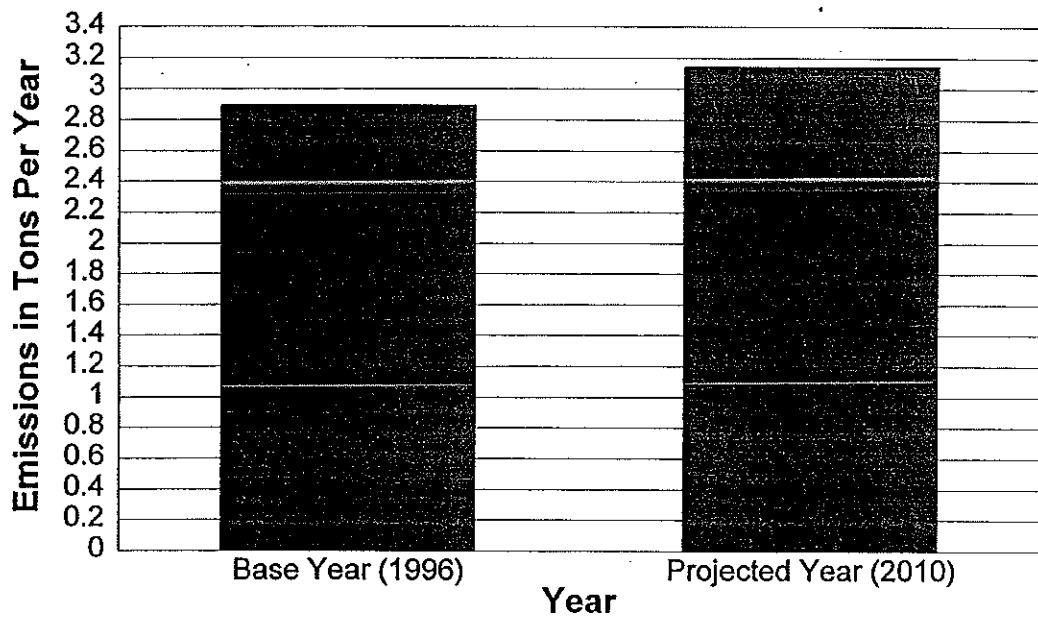
Point Sources
Point Sources

2.897
3.145

Base Year (1996)
Projected Year (2010)

Marion County

Lead Emissions



ENCLOSURE D - ITEM 1

PAGE D-1

Refined Metals

RECEIVED

P.O. BOX 188, BEECH GROVE, INDIANA 46107

MAR 19 1997
ENVIRONMENTAL RESOURCES
MANAGEMENT

(317)-787-6364

Indianapolis Environmental Resources
Management Division
Attention Richard Martin
2700 South Belmont Avenue
Indianapolis, IN 46221

1297

Richard Martin

Refined Metals Corporation has sent a letter requesting the withdraw of our Title V Permit application and the termination of our operating permit to you. It is our understanding that withdraw of the Title V application should void this invoice

Any questions or comments please contact George Ordell at 317-787-6364 or Mr. Bill Freudiger at 901-775-3798

Sincerely,

George Ordell

George Ordell
Plant Manager

ENCLOSURE p - ITEM 2

PAGE D-2

[Federal Register: January 20, 1999 (Volume 64, Number 12)]
[Rules and Regulations]
[Page 3030-3037]
From the Federal Register Online via GPO Access [wais.access.gpo.gov]
[DOCID:525ja99-17]

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 58

[AD-FRL-6222-2]
EIN 2060-AF71

Ambient Air Quality Surveillance for Lead

AGENCY: Environmental Protection Agency (EPA).

ACTION: Final rule.

SUMMARY. Lead air pollution levels measured near the Nation's roadways

[[Page 3031]]

have decreased 97 percent between 1978 and 1997 with the elimination of lead in gasoline used by on-road mobile sources. Because of this historic decrease, EPA is reducing its requirements for measuring lead air pollutant concentrations near major highways, while retaining its focus on point sources and their impact on neighboring populations. The EPA published a direct final rule for ambient air quality surveillance for lead on November 5, 1997 (62 FR 59313). Due to adverse comments received, the rule was withdrawn on December 23, 1997 (62 FR 67009). Based on comments that were received, today's action revises 40 CFR part 58 lead air monitoring regulations to allow many lead monitoring stations to be discontinued while maintaining a core lead monitoring network in urban areas to track continued compliance with the lead National Ambient Air Quality Standards (NAAQS). This action does not diminish existing requirements for lead ambient air monitoring around lead point sources. Approximately 70 of the National Air Monitoring Stations (NAMS) and a number of the State and Local Air Monitoring Stations (SLAMS) could be discontinued with this action, thus making more resources available to those State and local agencies to deploy lead air quality monitors around heretofore unmonitored lead point sources. Affected industries include primary and secondary lead smelting, lead battery recycling, and primary copper smelting.

DATES: The effective date of this rule is February 19, 1999.

ADDRESSES: All comments relative to this rule have been placed in Docket No. A-91-22, located in the Air Docket (LE 131), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460. The docket may be inspected between 8 a.m. and 5:30 p.m., Monday through Friday, excluding legal holidays. A reasonable fee may be charged for copying.

<http://fwwebgate1.access.gpo.gov/cgi-bin/waisgate.cgi?WAISdocID=892824919+0-0+0&WAISa3/9/99:rticve>

(Governmental Unit)

80515

General Form No. 99 P (Rev. 1987)

To INDIANAPOLIS NEWSPAPERS, INC. Dr.
307 N. PENNSYLVANIA ST. - P.O. BOX 145
INDIANAPOLIS, IN 46206-0145

LEGAL NOTICE OF
30-DAY PERIOD
for Public Comment
and Public Hearing
Request for Redesignation
for Lead in
Atterton County

Marion County
Notice is hereby given under
40 CFR 81.133 that the Indiana
Department of Environmental
Management (IDEM) will hold a
public hearing on Wednesday,
March 29, 1990, at 10:00 a.m.
in Marion County. The purpose
of the hearing is to receive
public comment on the proposed
Revision to the Indiana
Statewide Land Use Plan.
Request for Redesignation for
Lead in Marion County. The
Marion County meeting will be
concurrent at 5:00 p.m. at the
same time at the Government
Center South, 402 West
Washington Street, Indianapolis,
Indiana, Room 4. All interested
persons are invited to attend.
The hearing will be an open
process and will be given reasonable opportunity
to express their views concerning the proposal.
The proposal that is the subject of the hearing is to designate
residents of Marion County
(part) (part of Franklin
Township: area bound by
Thompson Road on the south;
Five Points Road on the east;
and Troy Avenue on the north)
(40 CFR 81.133
(updated 1998) and Marion
County (part) (part of Floyd
Township: area bound by
Rockville Road on the north;
Girls School Road on the east;
and the intersection of the
south, and Bridgeport Road on
the west.) (40 CFR 81.133
(updated 1996)).
The purpose of the proposal is
to have the U.S. Environmental
Protection Agency to formally
redesignate these areas to
attainment for lead, since the
federal and state health standards
for lead.

Copies of the above proposal are available to any person upon request and are available for public inspection at the following address: Indiana Department of Environmental Management, Office of Air Management, Indiana Government Center, North, 100 North Senate Avenue, 10th floor-East wing, Indianapolis, Indiana; Legislative Services Agency, Indiana Government Center-South, 100 North Senate Washington Street, Indianapolis, Indiana; County Public Libraries-Marion County Public Library, 100 East 5th Street, Indianapolis, Indiana. Oral statements will be heard, but for the accuracy of the record, written statements in writing to the attendant designated to receive written comments at the public hearing.

Individuals also accept written comments through February 9, 2000. Mailed comments should be addressed to: Lead Designation for Marion County, Kathleen Watson, Chief, Air Programs Branch, Office of Air Management, P.O. Box 6015, Indianapolis, IN 46201-0015.

4-2626-6015
All written submissions to the board of the public-hearing shall be open to public inspection at the Indiana Department of Environmental Management and copies may be made available to any person upon payment of reproduction costs. Persons who are not present at the hearing or requesting notice shall be given written notice of the action of the board.
For more information, contact Judy Lombardo, at the Indiana Department of Environmental Management, Office of Environmental Management, Room 1001, Indiana Government Center North, 100 North Senate Avenue, Indianapolis, or call (317) 232-5580 or (800) 454-6026 ext. 3568 (in Indiana).
JANE E. MCCABE
Assistant Commissioner
Office of Air Management
Individuals requiring reasonable accommodations for participation in this event should contact the Indiana Department of Environmental Management, American Sign Language coordinator at: Attn: Brandy- Hedrickson, ADA Coordinator, Indiana Department of Environmental Management, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, IN 46206-0015 or call (317) 232-1785. Speech and hearing impaired callers may call toll free (800) 454-6026. Indiana Relay Service of (317) 232-6555. Please provide a minimum 48-hour notice. Hours of operation: (317) 232-6023.

NE COUNT

Display Matter - (Must not exceed two actual lines, neither of which shall total more than four solid lines of the type in which the body of the advertisement is set). Number of equivalent lines

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Total number of lines in notice: _____
Dept. of Environmental Mgmt.
Office of Air Management

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147.0 lines columns wide equals equivalent

lines at • 279 cents per line

Additional charge for notices containing rule and figure work (50 per cent of above amount)

Charge for extra proofs of publication (\$1.00 for each proof in excess of two)

TOTAL AMOUNT OF CLAIM

ATA FOR COMPUTING COST

Width of single column 7.83 ems

Size of type 5.7 point

Number of insertions 1.0

Persuant to the provisions and penalties of Chapter 155, Acts of 1953,

I hereby certify that the foregoing account is just and correct, that the amount claimed is legally due, after allowing all just credits, and that no part of the same has been paid.

Date JANUARY 10, 1900

CLERK

Title

80515

PUBLISHER'S AFFIDAVIT

State of Indiana }
MARION County } SS:

Personally appeared before me, a notary public in and for said county and state, the

undersigned KERRY DODSON who, being duly sworn, says
that 5 he is CLERK of the

INDIANAPOLIS NEWSPAPERS, INC.

a DAILY STAR newspaper of general circulation printed and published

In the English language in the city }
town } of INDIANAPOLIS

In state and county aforesaid, and that the printed matter attached hereto is a true copy, which was duly published in said paper for 1 time , the dates of publication being as follows:

JANUARY 05, 2000

Subscribed and sworn to before me this 10TH day of JANUARY, 1900

My commission expires _____
Notary Public, State of _____
Barbara L. Rutherford

My commission expires _____
Notary Public, State of Indiana
Marion County
My Commission Exp. 07/28/2001

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STATE PRESCRIBED FORMULA

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94 POINTS / 5.7 PT. TYPE = 16.49
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PUBLISHED ONE TIME	.279
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PUBLISHED THREE TIMES	.557
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Xm 65-8FV 1-88

**Legal Notice of 30-Day Period
for Public Comment and Public Hearing**

**Request for Redesignation for Lead
in Marion County**

Notice is hereby given under 40 CFR 51.102 that the Indiana Department of Environmental Management (IDEM) will hold a public hearing on Wednesday, February 2, 2000 in Marion County. The purpose of the hearing is to receive public comment on the proposed Revision to the Indiana State Implementation Plan Request for Redesignation for Lead in Marion County. The Marion County meeting will convene at 5:00 p.m. (local time) at the Indiana Government Center South, 402 West Washington Street, Indianapolis, Indiana, Room 4. All interested persons are invited and will be given reasonable opportunity to express their views concerning the proposal.

The proposal that is the subject of the hearing concerns residents of "Marion County (part) - (part of Franklin Township: area bound by Thompson Road on the south; Emerson Avenue on the west; Five Points Road on the east; and Troy Avenue on the north)" [40 CFR 81.315 (updated 1996)] and "Marion County (part) - (part of Wayne Township: area bound by Rockville Road on the north, Girls School Road on the east, Washington Street on the south, and Bridgeport Road on the west.)" [40 CFR 81.315 (updated 1996)]

The purpose of the proposal is to request the U.S. Environmental Protection Agency to formally redesignate these areas to attainment for lead, since the ambient air meets federal and state health standards for lead.

Copies of the above proposal are available to any person upon request and are available for public inspection at the following locations:

Indiana Department of Environmental Management, Office of Air Management, Indiana Government Center-North, 100 North Senate Avenue, 10th floor-East wing, Indianapolis, Indiana.

Legislative Services Agency, Indiana Government Center-South, Room E011, 302 W. Washington Street, Indianapolis, Indiana.

Indianapolis-Marion County Public Library, 40 East St. Clair Street, Indianapolis, Indiana.

Oral statements will be heard, but for the accuracy of the record, please submit statements in writing to the attendant designated to receive written comments at the public hearing.

IDEM will also accept written comments through February 9, 2000. Mailed comments should be addressed to:

Lead Redesignation for Marion County
Kathryn Watson, Chief
Air Programs Branch
Office of Air Management
P.O. Box 6015
Indianapolis, IN 46206-6015

A transcript of the hearing and all written submissions to the board at the public hearing shall be open to public inspection at the Indiana Department of Environmental Management and copies may be made available to any person upon payment of reproduction costs. Any person heard or represented at the hearing or requesting notice shall be given written notice of the action of the board.

For additional information contact Judy Lombardo, at the Indiana Department of Environmental Management, Office of Air Management, Room 1001, Indiana Government Center North, 100 North Senate Avenue, Indianapolis or call (317) 233-5680 or (800) 451-6027 ext. 35680 (in Indiana).

Janet G. McCabe
Assistant Commissioner
Office of Air Management

Individuals requiring reasonable accommodations for participation in this event should contact the Indiana Department of Environmental Management, Americans with Disabilities Act coordinator at:

*Attn: Brandye Hendrickson, ADA Coordinator
Indiana Department of Environmental Management
100 N. Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015*

or call (317) 233-1785. Speech and hearing impaired callers may contact the agency via the Indiana Relay Service at (317) 232-6565. Please provide a minimum of 72 hours' notification.

BEFORE THE STATE OF INDIANA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

- - -

PUBLIC HEARING REGARDING
INDIANA'S LEAD ATTAINMENT
DEMONSTRATION FOR MARION COUNTY

- - -

ORIGINAL

PROCEEDINGS

in the above-captioned matter, before Hearing
Officer Judy Lombardo, taken before me, Lindy L.
Meyer, Jr., a Notary Public in and for the State
of Indiana, County of Shelby, at the Indiana
Government Center South, 402 West Washington
Street, Conference Center, Room 4, Indianapolis,
Indiana, on Wednesday, February 2, 2000 at 5:01
o'clock p.m.

- - -

William F. Daniels, RPR/CP CM d/b/a
ACCURATE REPORTING OF INDIANA
12922 Brighton Avenue
Carmel, Indiana 46032
(317) 848-0088

1 APPEARANCES:

2 Ms. Judy Lombardo, Hearing Officer

3 Ms. Kathy Watson

4 Mr. Ken Ritter

5 On behalf of the Indiana Department
6 of Environmental Management.

7 Mr. Richard Martin

8 Ms. Amy Silver

9 On behalf of the Indianapolis
10 Environmental Resources Management
11 Division.

12 ALSO PRESENT:

13 Kathy Howard

14 Mary Davis

15 - - -
16
17
18
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23

5:01 o'clock p.m.
February 2, 2000

- - -

THE HEARING OFFICER: This is a public hearing to accept comments on the Indiana Department of Environmental Management's request for redesignation for lead attainment for Marion County.

My name is Judy Lombardo, Environmental Scientist in the Air Programs Branch at IDEM. I have been appointed to act as Hearing Officer. With me is Kathy Watson, Chief of IDEM's Air Programs Branch; Ken Ritter, Chief of IDEM's Technical Support and Modeling Section; Rick Martin, Planning Manager of the Indianapolis Environmental Resources Management Division; and Amy Silver, consultant for the Indianapolis Environmental Resources Management Division.

Notice of the time and place of the hearing was provided by law by publication in the following newspaper: The Indianapolis Star.

Will the official reporter designated for this hearing please stand and raise his right hand and state his name?

1 (Reporter sworn.)

2 THE HEARING OFFICER: The Office
3 of Air Management has submitted a request for
4 redesignation for lead attainment for Marion
5 County. I will provide a brief background on
6 this request later during the meeting.

7 The purpose of this public hearing is
8 to provide interested persons an opportunity to
9 offer comments to the agency on the submittal.
10 Appearance blanks have been distributed in the
11 hearing room for all those desiring to be shown
12 appearing on record in this cause.

13 If you have not already filled out the
14 form, please do so, and indicate if you are
15 appearing for yourself or on behalf of a group
16 or organization, and identify the group or
17 organization. Also note the capacity in which
18 you appear, such as attorney, officer or
19 authorized spokesperson.

20 Any person who is heard or represented
21 at this hearing, or who requests notice, may be
22 given written notice of the final action on this
23 submittal. Please indicate on the appearance

1 blanks if you wish to receive this notification.
2 When appearance cards have been completed, they
3 should be handed to me and I will include them
4 with the official record of this proceeding.

5 Oral statements will be heard, but
6 written statements may be handed to me or mailed
7 to the Office of Air Management on or before the
8 close of business on February 9th, 2000.

9 A written transcript of this hearing is
10 being made. The transcript will be open for
11 public inspection, and a copy of the transcript
12 will be made available to any person upon the
13 payment of copying costs.

14 After the conclusion of this public
15 hearing, I will prepare a written report
16 summarizing the comments received at this
17 hearing, and recommending changes which may need
18 to be made to this document.

19 I would like to introduce the following
20 documents into the record: The Notice of Public
21 Hearing, and the document titled, "Request for
22 Redesignation for Lead Attainment for Marion
23 County."

1 I would like to briefly go over the
2 background and the content of IDEM's submittal
3 to redesignate Marion County to attainment for
4 lead. Based upon monitored violations of the
5 lead standard, portions of Marion County have
6 been designated as nonattainment for lead. This
7 request is to change the status to attainment
8 for the entire county.

9 In order for a county to have its
10 status changed, it must meet several
11 requirements established by U.S. EPA. These
12 are: Ambient monitoring data showing that the
13 county has met the National Ambient Air Quality
14 Standards for the past three years; air quality
15 improvements that can be attributed to
16 reductions in lead emissions which are permanent
17 and enforceable; and a maintenance plan that
18 assures continued attainment of the standard.

19 The document shows that all of the
20 above criteria have been met. Enclosure A-Item
21 2 of the document contains charts that show the
22 monitored values since 1985. These charts show
23 that the values are well below the standard and

1 there have been no exceedences in Marion County
2 since 1994. The ambient air quality network
3 will continue to monitor lead in the future.

4 IDEM has compiled an emissions
5 inventory since 1985. While collection
6 techniques and quality assurance procedures have
7 changed since the earliest inventories, our
8 inventories show that emissions have greatly
9 decreased over the years in which IDEM's lead
10 rules were being implemented.

11 Finally, this request also contains a
12 maintenance plan which will be used to assure
13 continued attainment. It contains specific
14 monitored levels which will trigger responses by
15 IDEM.

16 This concludes my comments about
17 Indiana's Attainment Demonstration for Lead for
18 Marion County, and the hearing is now open for
19 public comment. Are there any public comments?

20 MS. HOWARD: Well, I think we're
21 grateful that this has happened, and appreciate
22 everybody's hard work and putting up with us
23 during the time when we kept griping.

1 MS. WATSON: Can you state your
2 name for the record?

3 MS. HOWARD: My name's Kathy
4 Howard.

5 THE HEARING OFFICER: Any other
6 comments?

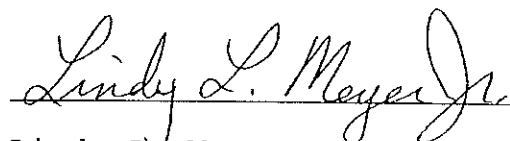
7 (No response.)

8 THE HEARING OFFICER: Okay. The
9 proceedings are hereby concluded, and the
10 hearing is adjourned.

11 - - -
12 Thereupon, the proceedings
13 of February 2, 2000 were concluded
14 at 5:06 o'clock p.m.
15 - - -
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CERTIFICATE

I, Lindy L. Meyer, Jr., the undersigned
Court Reporter and Notary Public residing in the
City of Shelbyville, Shelby County, Indiana, do
hereby certify that the foregoing is a true and
correct transcript of the proceedings taken by
me on Wednesday, February 2, 2000 in this matter
and transcribed by me.



Lindy L. Meyer, Jr.,

Notary Public in and
for the State of Indiana.

My Commission expires October 27, 2000.



CITY OF INDIANAPOLIS
STEPHEN GOLDSMITH
MAYOR

Item 2

February 2, 2000

Ms. Janet McCabe
Assistant Commissioner
Indiana Department of Environmental Management
Office of Air Management
105 S. Meridian Street
P.O. Box 6015
Indianapolis, IN 46206-6015

Dear Ms. McCabe:

On Wednesday, February 2, 2000, a Public Hearing was held Indiana Government Center South to receive public comments on the proposed SIP submittal to USEPA to redesignate a portion of Franklin and Wayne Townships in Marion County to attainment with the National Ambient Air Quality Standards for Lead. The City of Indianapolis, Environmental Resources Management Division would like to enter the following comments into the Public Record.

The City of Indianapolis strongly supports this request to redesignate these portions of Marion County to attainment with the National Ambient Air Quality Standards (NAAQS) for Lead. The City has worked closely with the Indiana Department of Environmental Management and others over the last several years to improve the air quality in Indianapolis and eliminate exceedances of the NAAQS. We would like to thank IDEM for their guidance and support in realizing this important accomplishment. The areas identified in the Request for Redesignation have not exceeded the ambient air quality standards for several years, and all conditions included in the Lead State Implementation Plan for these areas have been satisfied. We encourage the United States Environmental Protection Agency to support this request.

Thank you for this opportunity to comment, and if there are any questions please contact Richard Martin of my staff at (317) 327-2269.

Sincerely,

Robert Holm, PhD

Administrator

Environmental Resources Management Division

Cc: Mary Uhler
Richard Martin





INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live

Evan Bayh
Governor
Kathy Prosser
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Telephone 317-232-8603
Environmental Helpline 1-800-451-6027

May 22, 1994

Mr. Valdas V. Adamkus
Regional Administrator
Region V
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Re: Marion County Lead SIP

Dear Mr. Adamkus,

Pursuant to Section 110(a) of the Clean Air Act Amendments of 1990 (CAAA) and Title 13 of the Indiana Code, the Indiana Department of Environmental Management (IDEM) submits a revision to its state implementation plan (SIP) for the Marion County, Indiana lead nonattainment area and requests that the United States Environmental Protection Agency (U.S. EPA) approve the plan. Included as a part of this revision is a site specific rule for Refined Metals and additional information required to meet the Part D requirements contained in Section 172 of the CAAA.

The portion of Franklin Township, Marion County bounded by Troy Avenue on the north, Five Points Road on the east, Thompson Road on the south, and Emerson Avenue on the west was designated as a lead nonattainment area on January 6, 1992. The CAAA requires that attainment be achieved by January 6, 1997. Refined Metals is the only lead source in the Marion County lead nonattainment area. A SIP revision for the area was submitted to U.S. EPA on January 4, 1992. Subsequent violations of the National Ambient Air Quality Standard (NAAQS) for lead caused IDEM to reconsider the effectiveness of that SIP submittal and on September 20, 1993, IDEM withdrew the January 4, 1992 submittal. An Emergency Rule which specified control methodologies and lead emission limitations for the Refined Metals facility was adopted by the Indiana Air Pollution Control Board (Board) on September 2, 1993, and became effective on October 1, 1993. The Board preliminarily adopted a permanent lead rule for Refined Metals on October 6, 1993. The rule was adopted in final on March 10, 1994, and became effective on April 27, 1994.

Another violation of the lead NAAQS occurred during the first quarter of 1994. An Agreed Order (Cause No. A-2521) between IDEM and the company contains specific measures to address this recent violation. The Agreed Order requires Refined Metals to install new bags in the M4 dust collector, seal the materials storage building, enclose the area between the battery breaker and the materials storage building, install a double doorway on the west side of the materials building and abandon the use of the north doorway, install a wheel wash for vehicles exiting the materials storage building, revise the fugitive lead dust control program, clean up any lead dust outside immediately, and enclose the bottoms of the baghouses. All of these measures are aimed at assuring compliance with the new lead rule and improving the effectiveness of the fugitive dust control plan.

CD#3

Marion County Lead SIP

May 1994

Mr. Adamkus
Page Two

This SIP submission addresses the nonattainment plan provisions of Title I, Part D of the CAAA and contains the administrative checklist (Enclosure 1); the site specific lead rule for Refined Metals, 326 IAC 15-1-2, which was adopted in final on March 10, 1994, and became effective on April 27, 1994 (Enclosure 2); a set of documents showing that Indiana's statutory rulemaking process was adhered to, including proofs of publication (Enclosure 3); the May 4, 1994, transcript of the public hearing held on March 10, 1994, at which no comment was received (Enclosure 4); the fugitive lead dust control plan (Enclosure 5); the complete and comprehensive inventory submitted to IDEM by the Indianapolis Air Pollution Control Section (IAPCS) on April 28, 1994 (Enclosure 6); and the Agreed Order (Enclosure 7).

IDEM requests that U.S. EPA find that this SIP submittal satisfies the requirements of the CAAA. Section 172(c)(1) requires the implementation of reasonably available control measures (RACM), including reasonably available control technology (RACT). RACM and RACT are achieved in the rule (326 IAC 15-1-2) and in the lead fugitive dust plan. The rule includes stringent emission limitations on the baghouse stacks, requirements for the buildings to be maintained under negative pressure, and monitoring requirements. The lead fugitive dust plan includes operation and maintenance procedures designed to minimize emissions of fugitive lead dust and provisions for the immediate clean up of any lead dust spills. Modeled attainment is required to support the proposal that RACM and RACT are in place. A technical support document including comprehensive modeling of fugitive emissions will be completed and submitted as an addendum to this SIP submittal. A protocol for sampling of fugitive dust from roadways and parking lots at the Refined Metals facility has been approved by the U.S. EPA and the sampling was done on May 20, 1994. A representative of the U.S. EPA was present along with IDEM and IAPCS personnel when the samples were collected. Analyses of the samples will be conducted by the Office of Air Management's analytical laboratory. The results of those analyses will provide the information needed for accurate inputs to the air quality model.

Section 172(c)(2) requires that reasonable further progress (RFP) be made. As indicated in the general preamble, in a case such as this, where nonattainment is caused by a single source, linear progress is not necessarily appropriate. IDEM believes that compliance with the emissions limitations and other requirements of the site specific lead rule, 326 IAC 15-1-2, and requirements contained in the lead fugitive dust plan for Refined Metals will result in immediate attainment of the NAAQS in the Marion County lead nonattainment area.

Section 172(c)(3) requires that a complete, comprehensive, accurate, current inventory be compiled. This was completed by the IAPCS on April 28, 1994, and is included as a part of this submission. The inventory demonstrated that Refined Metals is the only lead source in the Marion County lead nonattainment area.

Section 172(c)(4) requires that plan provisions shall expressly identify and quantify the emissions, if any, of any such pollutant or pollutants which will be allowed, in accordance with Section 173(a)(1)(B), from the construction and operation of major new or modified major sources in each such area. Section 173(a)(1)(B) describes considerations for targeted economic development zones. The Marion County lead nonattainment area is not a targeted economic development zone. We do we anticipate that it will become one.

Mr. Adamkus
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Section 172(c)(5) requires that an approved new source review (NSR) program be in place. Indiana's Emission Offset rule, 326 IAC 2-3, which was submitted to U.S. EPA on February 25, 1994, fulfills this requirement.

Section 172(c)(6) requires enforceable emission limits, schedules, and timetables for compliance. The enclosed Refined Metals site specific lead rule, 326 IAC 15-1-2, effective on April 27, 1994, fulfills these requirements.

Section 172(c)(7) requires compliance with Section 110(a)(2) of the CAAA. That section contains a wide variety of provisions pertaining to ambient monitoring, emergency powers, interference with other states air quality, permitting programs, required modeling, adequate funding and authority, and consultation with local political entities. The applicable requirements of Section 110(a)(2) are addressed and fulfilled in Indiana's existing air quality rules and this SIP submittal, with the exception of the air quality modeling which will be submitted as an addendum to this SIP submittal as soon as it is completed.

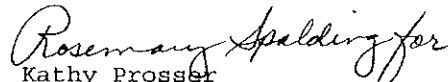
Section 172(c)(8) allows for the use of equivalent techniques for modeling, emission inventory, or planning procedures. These alternatives are not applicable to this submittal.

Section 172(c)(9) requires inclusion of provisions for the implementation of contingency measures if the area fails to meet RFP or meet the NAAQS by the applicable date. Such measures are currently being incorporated into a new operation permit for Refined Metals to be issued by IAPCS. The new permit is currently being drafted and is nearing completion. After a minimum 30 day public notice, a public hearing will be held on the new permit and the modified fugitive dust plan which will reflect changes required by the Agreed Order. The new Refined Metals operating permit and a modified fugitive dust plan will also be submitted as addenda to this SIP submittal after the public hearing is completed and comments have been addressed.

An official public hearing was held by the Air Pollution Control Board on the proposed rule changes at the time of final adoption and ample opportunity for public comment was afforded to all interested parties as a part of the standard rulemaking process for environmental boards in Indiana. No public comment was received, therefore IDEM has not included a Response to Comments document in this submittal.

If you or your staff have any questions regarding this submittal, please contact Janet McCabe, Chief of the Air Programs Branch at (317) 233-5694

Sincerely,


Kathy Prosser
Commissioner

cc: Jay Bortzer
Rick Martin

Enclosure 1

- ADMINISTRATIVE CHECKLIST (40 CFR 51, Appendix V) Enclosure #
1. The submittal is accompanied by a formal letter of submittal from the governor or his designee. yes, May 22, 1994
 2. Evidence that the state has adopted the plan in the State code or body of regulations; in final form.
 - a. date of adoption or final issuance March 10, 1994
 - b. the effective date of the plan, if different from the adoption/issuance date. April 27, 1994
 3. Evidence that the state has the necessary legal authority under state law to adopt and implement the plan. IC 13-1-1-4
IC 13-7-7
 4. A copy of the actual regulation or document is included in the submittal. Final adopted rule
Enclosure 2
 - a. indication of the changes made to the existing approved plan, where applicable. Enclosure 2
 - b. the submittal shall be a copy of the official State regulation/document signed, stamped, dated by the appropriate state official indicating that it is fully enforceable by the State. Effective date shall be stated in the document itself. Enclosure 2
Signature
Page
 5. Evidence that the state followed all of the procedural requirements of the state's laws and constitution in conducting and completing the adoption/issuance of the plan. Enclosure 3
 6. Evidence that public notice was given, including date of proof of publication. Enclosure 3
Item 4
 7. Certification that public hearings were held in accordance with information provided in public hearing notice. Enclosure 4
 - a. Public hearing date was March 10, 1994.
 8. Compilation of public comments and State's response. N/A

TECHNICAL CHECKLIST

1. The following regulated pollutants affected by the revision are identified: Ozone____; Total Suspended Particulates____; Sulfur Dioxide; Nitrogen Dioxide____; Carbon Monoxide____; Particulate Matter-10____. Lead
 - a. Attainment status of the area. Nonattainment

- b. Attainment date of the area. January 6, 1997
2. The locations of the affected source is 3700 South Arlington Avenue, Beech Grove, Indiana
3. Quantification of the changes in plan allowable emissions from the affected source.
- a. Estimates of changes in current actual emissions from affected sources; or Cover letter addresses modeling
 - b. Where appropriate, through calculations of the differences between certain baseline levels and allowable emissions anticipated as a result of the revision. Cover letter addresses TSD
4. Evidence is provided that (select those appropriate)
- a. The NAAQS will be protected if the revision is approved and implemented Cover letter addresses modeling
 - b. The PSD increment will be protected if the revision is approved and implemented. N/A
 - c. The Reasonable Further Progress (RFP) demonstration will be protected if the revision is approved and implemented. Cover letter
 - d. Visibility will be protected if the revision is approved and implemented. N/A
5. Modeling information required to support the proposed plan including input and output data, models used, justification of model selections, ambient monitoring data used, meteorological data used, justification for use of offsite data, modes of models used, assumptions, and other information relevant to the determination of adequacy of the modeling analysis. Cover letter
6. Evidence, when necessary, that emission limitations are based on continuous emission reduction technology. Enclosure 2
7. Evidence that the plan contains the following to ensure emission levels:
- a. emission limitations Enclosure 2
 - b. work practice standards Enclosure 5
 - c. recordkeeping/reporting requirements Enclosure 2
8. Compliance/enforcement strategies including how compliance will be determined in practice. Enclosures 2, 5, and 7
9. Special economic and technological justifications required by any applicable EPA policies. N/A

TITLE 326 AIR POLLUTION CONTROL BOARD

Final Rule
LSA Document #93-201(F)
Digest

Amends 326 IAC 15-1-2 to establish requirements to maintain the materials storage building and the blast/dust furnace area under constant negative pressure and to continuously monitor negative pressure. Additionally, specific criteria are set for the control of both fugitive and stack emissions. Effective 30 days after filing with the secretary of state.

SECTION 1. 326 IAC 15-1-2, PROPOSED TO BE AMENDED AT 16 IR 2222,
SECTION 1, IS AMENDED TO READ AS FOLLOWS:

326 IAC 15-1-2 Source-specific provisions

Authority: IC 13-1-1-4
Affected: IC 13-1-1; IC 13-7-7

Sec. 2.(a) The sources listed below shall comply with the following emission and operating provisions:

<u>Source</u>	<u>Facility Description</u>	<u>Emission Limitation</u> <u>lbs./hr.</u>
(1) Refined	M-1 baghouse stack ¹	0.91
Metals of	M-2 baghouse stack ¹	0.15
Indianapolis	M-3 baghouse stack ¹	0.15
	M-4 baghouse stack ¹	0.30

¹ Compliance shall be achieved on or before April 30, 1992.

(A) On or before June 1, 1987, Refined Metals of Indianapolis shall install and operate hooding systems for the blast furnace skip hoist and charging area, the blast furnace slag and lead tapping area, the casting area, the refining kettles, and the lead dust furnace charging area.

(B) The hooding systems required for the operations listed in clause (A) shall vent the emissions through a control device to one (1) of the four (4) stacks, M-1 through M-4.

(C) On or before June 1, 1987, Refined Metals of Indianapolis shall also install and operate enclosed screw conveyors to transport lead flue dusts to the lead dust furnace. There shall be no visible emissions from the screw conveyors. Compliance shall be determined by 40 CFR 60, Appendix A, Method 22**.

(D) ~~On or before April 1, 1992, Refined Metals of Indianapolis shall totally enclose~~ The building buildings housing the blast furnace, and the dust furnace, Total enclosure and materials storage shall be demonstrated as follows:

- ~~(i) Access doors and windows in the total enclosure shall be closed during routine operations.~~
- ~~(ii) The interior of the total enclosure must operate at a lower pressure than its surroundings so that air flows into the enclosure at all natural draft openings.~~
- ~~(iii) The average air velocity through the natural draft openings shall be at least five hundred (500) feet per minute.~~
- ~~(iv) Sources of emissions shall be located at least four (4) times the opening area divided by the perimeter from each natural draft opening.~~
- ~~(v) The total area of all natural draft openings shall be less than five percent (5%) of the surface area of the total enclosure's four (4) walls, floor, and ceiling.~~

kept under continuous negative pressure by constant flow rate fans ducted to control devices.

(E) The company shall install and operate a continuous monitoring system to measure and record pressure differential to ensure that the materials storage building and the blast/dust furnace area are maintained under negative pressure while the plant is in operation. The monitoring system shall be located on the north wall of the materials storage building. It shall consist of a differential pressure sensor/transmitter, a processor, and a recording device. This system shall produce valid data ninety-five percent (95%) of the time when the plant is operating. Data generated by this monitoring system shall be kept available for inspection at the site for a period of two (2) years.

~~(E)~~ (F) The blast furnace and the dust furnace fugitive emissions shall be drawn from the enclosure by a constant flow rate fan to a control device. The control device shall vent to the atmosphere through the M-4 baghouse stack which shall be at least eighty (80) feet in height from ground level.

~~(F)~~ (G) Visible emissions from the M-1, M-2, M-3, and M-4 baghouse stacks and from building openings shall not exceed a six (6) minute average of three percent ~~(3%)~~ five percent (5%) opacity for each stack and opening as determined in accordance with 40 CFR 60, Appendix A, Method 9**.

(H) Visible emissions from building openings such as doors and windows shall not exceed a three (3) minute average of three percent (3%) opacity. Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9**, except that the opacity standard shall be determined as an average of twelve (12) consecutive observations recorded at fifteen (15) second intervals.

~~(G)~~ (I) Refined Metals of Indianapolis shall install and operate continuous opacity ~~monitors~~ monitoring systems (COMS) in the M-1 and the M-4 baghouse stacks or in the ductwork leading to those stacks. COMS data shall be used to determine compliance with the ~~three percent (3%)~~ five percent (5%) opacity limits. ~~The COMS shall be operated in accordance with the procedures specified in 326 IAC 3-1.1-1 required by clause (G).~~ The COMS shall meet the performance and installation requirements of 40 CFR 60, Appendix B, Performance Specification 1**. The company shall also comply with the following:

(i) A complete written standard operating procedure (SOP) for COMS shall be submitted to the department for approval. The department shall complete the review of the COMS SOP within sixty (60) days of submittal. The COMS SOP shall contain, at minimum, complete step by step procedures for the following:

- (AA) Calibration procedures.
- (BB) Operation procedures.
- (CC) Preventive maintenance procedures.
- (DD) Quality control and quality assurance
- (QA) procedures.
- (EE) Record keeping and reporting procedures.

(ii) The company shall perform quarterly COMS performance audits and notify the department fourteen (14) days in advance of each audit. The company shall submit quarterly COMS QA reports to the department within 30 days following the end of the quarter. Each report shall summarize performance audit results and provide an explanation for periods of time during the quarter when valid data was not collected.

(iii) COMS excess emission reports, shall be submitted to the department within thirty (30) days following the end of each calendar quarter. These reports shall contain at minimum the following:

- (AA) The operating time of the monitored facilities.
- (BB) The date and time each COMS recorded opacity measurements above the five percent (5%) opacity limit.

(CC) The date and time each COMS was inoperative or malfunctioning.

(DD) A description of the nature and cause of any excess emissions.

~~(H)~~ (J) Refined Metals of Indianapolis shall achieve compliance with clauses (D) through ~~(G)~~ (I) by April 30, 1992 March 1, 1994. In the event that the plant is idle on March 1, 1994, compliance with clauses (D) through (I) shall be achieved by the date the plant resumes production. Refined Metals shall notify the department thirty (30) days before production resumes to enable the department to make a compliance determination.

~~(I)~~ (K) Refined Metals of Indianapolis shall perform a stack test on the M-1, M-2, M-3, and M-4 baghouse stacks and demonstrate compliance with this subdivision by June 30, 1992. All subsequent stack tests shall be conducted utilizing the methodologies of 40 CFR 60, Appendix A, Methods 1, 2, 3, 4, 5, and 12**.

(L) Any violation of the National Ambient Air Quality Standard (NAAQS) shall result in an investigation by Refined Metals to determine the cause of the violation. Such an investigation shall be completed within ninety (90) days after the date the violation is confirmed. Refined Metals shall provide a corrective action plan to the department for approval within ninety (90) days of the confirmation of the violation. The plan shall specify the actions required to continuously meet the NAAQS. Refined Metals shall implement the plan upon approval by the department. The department may require a cessation in production, if needed, to assure continuous attainment of the NAAQS.

(2)	Chrysler Corporation Foundry, Indianapolis	Cupola stack	0.550
		Cupola fugitive	1.894
(3)	Delco Remy Division of General Motors Corporation, Muncie	Lead oxide mfg. stack (each of 5)	0.068
		Oxide grinder stack (each of 2)	0.123
		*Central tunnel system stack (each of 4)	0.254
		Reverberatory furnace stack	0.225
		O.S.I. drying oven stack (each of 4)	0.0015
		Electric melting pot stack	0.159

*On or before June 1, 1987, Delco Remy shall install ductwork to vent emissions from the vacuum cleaning lines through the control devices and stacks serving the Central Tunnel System.

(4) Indiana Oxide Corporation, Brazil	Barton #1 reactor	0.215
	Barton #2 reactor	0.215
	Barton #3 reactor	0.215
	Barton #4 reactor	0.215
	Rake furnace	0.006
	Kiln #2	0.002
	*Franklin reactor	0.603

*Shall not operate more than 670 hours per quarter.

(5) U.S.S Lead Refinery East Chicago	*Blast furnace stack	0.002
	*Blast furnace fugitive	
	Charging	2.922
	Lead tapping	0.002
	Slag tapping	0.005
	*Refining kettles fugitive	0.0001
	*Casting fugitive	0.393
	*Reverberatory furnace fugitive	0.345

*Shall not operate more than 334 hours per quarter.

(6) Hammond Lead Products, Inc., HLP-Lead Plant	Stack 4A-S-8	0.053
	Stack 14-S-16	0.053
	Stack 1-S-2	0.053
	Stack 1-S-26	0.053
	Stack 16-S-56	0.200
	Stack 1-S-52	0.070
	Stack 1-S-27	0.020
	Stack 4-S-35	0.090
	Stack 6-S-33	0.070
	Stack 4B-S-34	0.080
	Stack 6-S-47	0.021
	Stack V-1	0.090
	Stack V-11	0.006

(A) The ventilator control system (Stack V-1) shall consist of a fan with a constant flow rate that draws air from the building through a HEPA filter which vents to the atmosphere through a stack. The HEPA filters shall be maintained and operated in order to achieve maximum control efficiency. In addition to the requirements contained in subsection (c), Hammond Lead Products, Inc. shall submit an operation and maintenance plan by July 31, 1990, which incorporates good housekeeping practices for the ventilator control systems. This operation and maintenance plan shall be incorporated into the operating permits for Hammond Lead Products, Inc. and submitted to U.S. EPA as a revision to Indiana's lead state implementation plan by December 31, 1990. The ventilator control systems shall be designed such that process fugitive emissions will not routinely escape the buildings except as vented through the ventilator control

systems. The compliance test method specified in section 4(a) of this rule shall be used to determine compliance with the emission limitations for the ventilator control system stacks.

(B) By December 31, 1989, the stack heights for all processes except Stack 16-S-56, Stack 1-S-52 and the ventilator control systems shall be no less than sixty (60) feet above grade; the stack heights for Stack 16-S-56 and Stack 1-S-52 shall be no less than eighty-two (82) feet above grade; and the stack height for Vent 11 shall be no less than thirty-five (35) feet above grade. By July 31, 1990, the stack heights for the other ventilator control systems shall be no less than sixty (60) feet above grade.

(C) Hammond Lead Products, Inc. shall install HEPA filters according to the following schedule:

Stack 4A-S-8	March 31, 1992
Stack 14-S-16	June 30, 1992
Stack 1-S-2	December 31, 1991
Stack 1-S-26	September 30, 1992
*Stack 16-S-56:	
130 bag filter	November 20, 1989
100 bag filter	December 6, 1989
80 bag filter	June 1, 1989
72 bag filter	December 31, 1991
Stack 1-S-52	December 31, 1989
Stack 1-S-27	August 15, 1987
Stack 4-S-35	October 16, 1989
Stack 6-S-33	July 22, 1988
Stack 4B-S-34	October 5, 1989
Stack 6-S-47	May 26, 1988

* Four (4) bag filters are vented through common Stack 16-S-56.

(D) Hammond Lead Products, Inc. shall provide written notification to the commissioner within three (3) days after the installation of HEPA filters is completed at each of the sites listed in clause (A).

(E) All emissions limitations in this subdivision shall be met by December 31, 1992.

(F) This subdivision shall be submitted to the U.S.EPA as a revision to the Indiana state implementation plan.

(7) Hammond	1Stack S-1	1.000
Lead	Stacks S-4, S-5	
Products, Inc.	(each)	0.100
Halstab	Stacks S-6, S-7	
Division	S-8 (each)	0.120
	2Stacks S-9, S-10	
	S-11 (each)	0.120
	3Stacks S-12, S-13	
	(each)	0.120
	4Stacks S-14, S-16	

(each)	0.120
⁵ Stack S-15	0.120
Stack S-17	0.100

- ¹ Shall not operate more than 166.5000 hours per quarter
- ² Shall not operate more than 625 hours per quarter per stack
- ³ Shall not operate more than 250 hours per quarter per stack
- ⁴ Shall not operate more than 1,000 hours per quarter per stack
- ⁵ Shall not operate more than 1,500 hours per quarter

(8) Quemetco,	Stack 100	1.000
Inc.,	Stack 101	0.015
Indianapolis	Stack 101	0.015
	Stack 102	0.015
	Stack 103	0.015
	Stack 104	0.015
	Stack 105	0.015
	Stack 106	0.015
	Stack 107	0.015
	Stack 108	0.015
	Stack 110	0.015

(A) Fugitive emissions from the reverberatory furnace, electric arc furnace, casting operations, and refinery kettles shall be controlled as follows:

(i) When the plant is operating the interior of the building must operate at a lower pressure than its surroundings so that air flows into the building at all openings.

(ii) The company shall install and operate a monitoring system which will measure pressure differential to ensure that the building is maintained under negative pressure while the plant is in operation. This monitoring system shall be located on the East wall of the building or at such permanent location as shall be approved in writing at a prior time by both the U.S.EPA and IDEM. It shall consist of a differential pressure sensor, a processor, and a continuous recording device. This system shall produce valid data ninety-five percent (95%) of the time when the plant is operating. Data generated by this monitoring system shall be kept available for inspection at the site for a period of two (2) years.

(B) Fugitive emissions from within the building shall be vented to the atmosphere through HEPA filters which serve several different work areas or through process control devices and then to the atmosphere through the main process stack that is at least one hundred sixty-five (165) feet above ground level. Visible emissions from all building openings such as doors and windows shall not exceed a three (3) minute average of three percent (3%) opacity. Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9**, except that the opacity standard shall be determined as an average of twelve (12) consecutive observations recorded at fifteen (15) second intervals. Visible emissions from the HEPA filter exhausts shall not exceed an average of three percent (3%) opacity

as determined in accordance with 40 CFR 60, Appendix A, Method 9**.

(C) The opacity limit for the main process stack (Stack 100) shall be ten percent (10%) as determined in accordance with 40 CFR 60, Appendix A, Method 9**. Quemetco, Inc. shall operate a continuous opacity monitoring system for the main process stack. Continuous opacity monitoring system data shall be used to determine compliance. The continuous opacity monitoring system shall meet the performance, installation, and operational requirements of 40 CFR 60, Appendix B, Performance Specification 1**. A continuous opacity monitoring system quality assurance plan which shall include a requirement for quarterly performance audits shall be submitted to the department for approval.

(D) Continuous opacity excess emissions reports shall be submitted to IDEM within thirty (30) days following the end of each calendar quarter. These reports shall contain at minimum:

- (i) The operating time of the monitored facilities.
- (ii) The date and time the continuous opacity monitoring system recorded opacity measurements above the ten percent (10%) limit.
- (iii) The date and time that the continuous opacity monitoring system was inoperative or malfunctioning.
- (iv) A description of the nature and cause of any excess emissions.

(E) Quemetco, Inc. shall demonstrate compliance with the lead emissions limitation for the main process stack (Stack 100) utilizing the methodologies of 40 CFR 60, Appendix A, Methods 1, 2, 3, 4, 5, and 12**.

(F) Quemetco, Inc. shall achieve compliance with clauses (A) through (E) according to the following schedule:

- (i) Complete installation of the continuous opacity monitoring system on main process stack (Stack 100) by January 1, 1994.
- (ii) Perform a stack test on main process stack (Stack 100) and demonstrate compliance with this subdivision by April 1, 1994.
- (iii) Complete installation of the negative pressure monitoring system by June 1, 1994.
- (iv) Submit a continuous opacity monitoring system quality assurance plan to the department for approval by June 1, 1994.

(G) Quemetco, Inc. shall submit a written statement providing evidence to the commissioner within thirty (30) days of each applicable date specified in clause (F) that the requirements of this subdivision have been met.

(b) In addition to the sources listed in subsection (a) the following sources shall comply with subsection (c) and section 3 of this rule:

- (1) Exide Corporation, Logansport.
- (2) C & D Batteries, Attica.
- (3) Exide Corporation, Frankfort.

(c) Operation and maintenance programs shall be designed to prevent deterioration of control equipment performance. For sources listed in subsection (a)(1) through (a)(7), these programs shall be submitted to the department of environmental management, office of air management, on or before June 1, 1987. For sources listed in subsections (a)(8) through (b), these programs shall be submitted to the office of air management on or before February 1, 1988. These programs will be incorporated into the individual source operation permits.

****Copies of the Code of Federal Regulations (CFR) referenced in 326 IAC 15-1 may be obtained from the Government Printing Office, Washington, D.C. 20402 or from the Indiana Department of Environmental Management, Office of Air Management, Indiana Government Center-North, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana 46206-6015. (Air Pollution Control Board; 326 IAC 15-1-2; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2564; errata filed Jul 6, 1988, 1:00 p.m.: 11 IR 3921; filed Jun 14, 1989, 5:00 p.m.: 12 IR 1850; filed Aug 8, 1991, 10:00 a.m.: 14 IR 2203; filed Dec 17, 1992, 5:00 p.m.: 16 IR 1379; errata filed Mar 10, 1993, 5:00 p.m.: 16 IR 1832)**

TITLE 326 AIR POLLUTION CONTROL BOARD

LSA DOCUMENT # 93-201 (F)

NOTICES PUBLISHED:

Jan 22, 1994	Ft Wayne Journal Gazette
Jan 21, 1994	Indianapolis Star
Jan 24, 1994	Gary Post-Tribune


HEARINGS HELD:

Oct 6, 1993	Indianapolis
Mar 10, 1994	Indianapolis

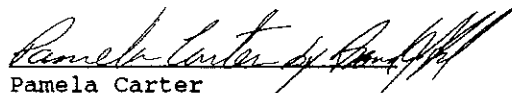
Hearing comments Fully Considered by the Board Through: attendance at the hearing and/or written comments and/or transcripts.

IN ACCORDANCE WITH THE BOARD'S STATUTORY AUTHORITY AND IC 4-22-2, THE ABOVE RULE TEXT WAS ADOPTED ON MARCH 10, 1994, IN FORM THAT DIFFERS FROM THE PROPOSED RULE PUBLISHED IN THE INDIANA REGISTER, BY A 7 TO 0 VOTE OF THE BOARD AT A DULY HELD PUBLIC MEETING AT WHICH A QUORUM WAS PRESENT.


Attest:


Kathy Prosser
Technical Secretary

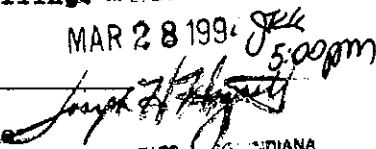
Approved as to Legality:


Pamela Carter
Attorney General of Indiana
Date: 3/23/94

Approved:


Evan Bayh
Governor of Indiana
Date: 3-24-94

Accepted for Filing


Joseph H. Hogsett
Secretary of State

SECRETARY STATE INDIANA

FILED

MAR 28 1994 5:00pm

ENCLOSURE 3

RULEMAKING DOCUMENTS WHITHIN ENCLOSURE 3.

Re: Refined Metals site specific lead rule, 326 IAC 15-1-2

Item 1. Fiscal Impact memo from IDEM to State Budget Agency per Governor's Executive Order 2-89.

Item 2. State Budget Agency approval of fiscal impact to state and local budgets.

Item 3. Public hearing notice.

Item 4. Proof of publication for 30 day notices in newspapers.

Item 5. Issue Brief submitted to Air Pollution Control Board at time of preliminary adoption.

Item 6. Notices published in the Indiana Register which track the development of the rule from first notice through the final published rule.

Enclosure 3, Item 1



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live

Evan Bayh
Governor


Kathy Prosser
Commissioner

105 South Meridian Street
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Telephone 317-232-8603
Environmental Helpline 1-800-451-6027

November 1, 1993

M E M O R A N D U M

TO: Jean S. Blackwell
Director
State Budget Agency

FROM:  Timothy J. Method
Assistant Commissioner
Office of Air Management

SUBJECT: Analysis of Fiscal Impact on State and Local Governments
(IDEM 93-3)

The Department of Environmental Management has prepared this analysis of the fiscal impact on State or local governments of proposed amendments to rule 326 IAC 15-1-2.

A copy of the proposed amendments along with an issue brief describing the rule and the amendments in more detail is attached. The Air Pollution Control Board preliminarily adopted the rule and the amendments on October 6, 1993. This proposed rulemaking action and fiscal impact analysis are being submitted in accordance with Executive Order 2-89 and State Budget Agency financial management circular #89-1.

No state or local governmental units will be affected by this new rule.

The Department has determined that the proposed rule will have the following impact on State or local government:

No fiscal impact X

Insignificant fiscal impact

Significant fiscal impact

Because this action will have no fiscal impact on State or local government, I am requesting an expedited review by your office. We would like to have this proposed rulemaking published in the December 1, 1993, Indiana Register and need to meet a November 10, 1993, submittal deadline. Your cooperation is appreciated.

Ms. Jean S. Blackwell
Page 2

Digest of proposed rule

Amendments to 326 IAC 15-1-2 add new monitoring, recordkeeping, and reporting requirements; provisions for control of fugitives.

Effective date of proposed rule

March 1, 1994

Estimation of expenditures affected by proposed rule

None

Narrative discussion of fiscal impact

None

Estimated fiscal impact of proposed rule

None for State government

Current biennium (FY 1991-1993)

No impact

Next biennium (FY 1993-1995)

No impact

If you have any questions concerning this matter, please contact Phil Doyle in the Rules Development Section, Office of Air Management at 232-8420.

Attachments

cc: Jerry Higdon

Enclosure 3, Item 2



STATE OF INDIANA

STATE BUDGET AGENCY

212 State House
Indianapolis, IN 46204-2796
317/232-5610

EVAN BAYH
Governor

Jean Blackwell
Director

November 30, 1993

Mr. Timothy J. Method
Assistant Commissioner
Office of Air Management
Indiana Department of Environmental Management
105 South Meridian Street
P.O. Box 6015
Indianapolis, IN 46206-6015

RECEIVED

DEC 8 1993

State Of Indiana
Department of Environmental Management
Office Of Air Management

Dear Mr. Method:

Pursuant to the provisions of Executive Order 2-89 and Budget Agency Financial Management Circular 89-1, the State Budget Agency has reviewed the proposed rule amending 326 IAC 15-1-2 which you submitted to the State Budget Agency on November 2, 1993.

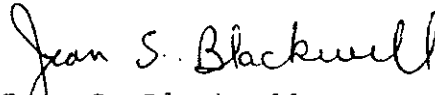
After reviewing the proposed rule, the recommendation of the State Budget Agency is:

☒ approved
☐ disapproved
☐ waiver of approval granted

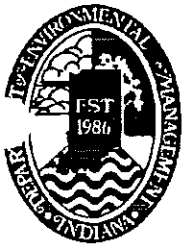
The Budget Agency's calculation of the fiscal impact of the proposed rule is attached if it differs from that calculated by your agency.

If you have any questions concerning this action, please contact your budget analyst, Susan Kennell, Budget Agency Staff Attorney, or me.

Sincerely,


Jean S. Blackwell
State Budget Director

JB/SK



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live

Evan Bayh
Governor
Kathy Prosser
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Telephone 317-232-8603
Environmental Helpline 1-800-451-6027

Legal Notice of Public Hearing State Implementation Plan (SIP) Submittals

Notice is hereby given under 40 CFR 51.102 that the Indiana Department of Environmental Management, Air Pollution Control Board will hold a public hearing at its regularly scheduled meeting on Thursday, February 24, 1994 at 1:00 p.m. in the Conference Center, Room B, at the Indiana Government Center South, 402 West Washington Street, Indianapolis, Indiana 46204. This hearing is on revisions to Indiana's Lead SIP regarding Refined Metals, Indianapolis. In the event that the hearing cannot be held or concluded on February 24, 1994, it will be held on March 10, 1994.

This SIP revision consists of amendments to 326 IAC 15-1-2 that were preliminarily adopted on October 6, 1993 and appeared as proposed rules in the January 1, 1994, Indiana Register (Volume 17, Number 4, pages 857-862). These amendments add new provisions for control of fugitive emissions and new monitoring, recordkeeping, and reporting requirements for the Refined Metals secondary lead smelting facility in Marion County, Indiana.

The purpose of this hearing is to receive comment from the public prior to final adoption of this rule package by the Air Pollution Control Board and submission of the SIP revision to the U.S. EPA. All interested persons are invited and will be given reasonable opportunity to express their views concerning the preliminarily adopted amendments.

Copies of the referenced preliminarily adopted amendments/proposed SIP revision shall be available to any person upon request and are available for public inspection at the following locations:

Indiana Department of Environmental Management
Office of Air Management
Indiana Government Center North, 10th floor
100 North Senate Avenue
Indianapolis, Indiana 46204

Legislative Services Agency
Indiana Government Center South
Room E011
Indianapolis, Indiana 46204

Indiana Department of Environmental Management
Northwest Indiana Office
Gainer Bank Building
504 North Broadway, Suite 418
Gary, Indiana 46402-1921.

Allen County Public Library
900 Webster
Fort Wayne, Indiana 46801

New Albany-Floyd County Public Library
180 West Spring Street
New Albany, Indiana 47150

Evansville-Vanderburgh County Public Library
22 S.E. 5th Street
Evansville, Indiana 47708

Oral statements will be heard, but for the accuracy of the record, all important statements should be submitted in writing. Written statements may be submitted to the attendant designated to receive comments at the public hearing, or mailed to the Indiana Department of Environmental Management, Office of Air Management, P.O. Box 6015, Indianapolis, Indiana 46206-6015. Written comments should be clearly identified with the following heading: **"Title 326 Air Pollution Control Board, #93-201 "Comments on Refined Metals, Inc. rules."**

Written comments can be hand carried to the Office of Air Management, Indiana Government Center North, 10th floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. Please address to the attention of Mr. Timothy J. Method, Assistant Commissioner, Office of Air Management postmarked on or before February 24, 1994.

In the event the public hearing is not conducted or completed until March 10, 1994, written comments will be accepted if postmarked on or before March 10, 1994.

A transcript of the hearing and all written submissions to the Board at the public hearing shall be open to public inspection at the offices named above and copies may be made available to any person upon payment of reproduction costs.

Any person heard or represented at the hearing or requesting notice shall be given written notice of the action of the Board.

For additional information contact Ms. Kiran Virma of the Indiana Department of Environmental Management, Office of Air Management, 10th floor, Indiana Government Center-North, 100 North Senate Avenue, Indianapolis, Indiana 46204 or 317-233-5678.

Timothy J. Method
Assistant Commissioner

Enclosure 3
Item 4

ENVIRONMENTAL AGENCY BOARD

To 80515

County, Indiana

MARION

INDIANAPOLIS NEWSPAPERS, INC.
307 N. PENNSYLVANIA ST. - P.O. BOX 144
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143.0 lines columns wide equals equivalent

lines at .217 cents per line

Additional charge for notices containing rule and figure work (50 per cent of above amount)

Charge for extra proofs of publication (\$1.00 for each proof in excess of two)

TOTAL AMOUNT OF CLAIM

DATA FOR COMPUTING COST

Width of single column 7.83 cms

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Persuant to the provisions and penalties of Chapter 355, Acts of 1953.

I hereby certify that the foregoing account is just and correct, that the amount claimed is legally due, after allowing all just credits, and that no part of the same has been paid.

Date JANUARY 26 1994

CLERK

PUBLISHER'S AFFIDAVIT

State of Indiana
MARION County

Personally appeared before me, a notary public in and for said county and state, the

undersigned, ERIK ALLSTATT who, being duly sworn, says that he is CLERK of the

INDIANAPOLIS NEWSPAPERS, INC. newspaper of general circulation printed and published

DAILY STAR in the city of INDIANAPOLIS

in said county aforesaid, and that the printed matter attached hereto is a true copy which was published in said paper for 1 time, the dates of publication being as follows:

JANUARY 21, 1994

Subscribed and sworn to before me this 26TH day of JANUARY 1994

Barbara L. Rutherford
Notary Public

My commission expires BARBARA L. RUTHERFORD
NOTARY PUBLIC STATE OF INDIANA
MARION COUNTY
MY COMMISSION EXP. JULY 23, 1997

Form 65-REV. 88

STATE PRESCRIBED FORMULA

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RATE PER LINE

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PUBLISHED TWO TIMES .325
PUBLISHED THREE TIMES .433
PUBLISHED FOUR TIMES .541

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The purpose of this hearing is to receive comment from the public prior to final adoption of this rule package by the Air Pollution Control Board and submission of the SIP revision to the U.S. EPA. All interested persons are invited and will be given reasonable opportunity to express their views concerning the preliminarily adopted amendments.

Copies of the referenced preliminary adopted amendments/proposed SIP revision shall be available to any person upon request and are available for public inspection at the following locations:

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Legislative Services Agency, Indiana Government Center South, Room E011, Indianapolis, Indiana 46204

Indiana Department of Environmental Management, Northwest Indiana Office, Gainer Bank Building, 304 North Broadway, Suite 418, Gary, Indiana 46402-1921.

Allen County Public Library, 900 Webster, Fort Wayne, Indiana 46801

New Albany-Floyd County Public Library, 180 West Spring Street, New Albany, Indiana 47150

Evansville-Vanderburgh County Public Library, 22 S.E. 5th Street, Evansville, Indiana 47708

Oral statements will be heard, but for the accuracy of the record, all important statements should be submitted in writing. Written statements may be submitted to the attendant designated to receive comments at the public hearing, or mailed to the Indiana Department of Environmental Management, Office of Air Management, P.O. Box 6015, Indianapolis, Indiana 46206-6015. Written comments should be clearly identified with the following heading: "Title 326 Air Pollution Control Board, #93-201 'Comments on Refined Metals, Inc.' rules."

Written comments can be hand carried to the Office of Air Management, Indiana Government Center North, 10th floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. Please address to the attention of Mr. Timothy J. Methoo, Assistant Commissioner, Office of Air Management, postmarked on or before February 24, 1994.

In the event the public hearing is not conducted or completed until March 10, 1994, written comments will be accepted if postmarked on or before

Ind Dept of Environmental Mgmt.
(Governmental Unit)To: The Journal-Gazette
P.O. Box 100
Fort Wayne, IN

ALLEN County, Indiana

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\$ 32.01

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(50 percent of above amount)

Charge for extra proofs of publication (\$1.00 for each proof in excess of two)

TOTAL AMOUNT OF CLAIM

\$ 32.01

DATA FOR COMPUTING COST

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Number of insertions 1

Size of type 6 point

Pursuant to the provisions and penalties of Chapter 155, Acts 1953,

I hereby certify that the foregoing account is just and correct, that the amount claimed is legally due, after allowing all just credits, and that no part of the same has been paid.

Date: Jan 22, 19 94

Title: Clerk

PUBLISHER'S AFFIDAVIT

State of Indiana)

) ss:

Allen County)

Personally appeared before me, a notary public in and for said county and state, the undersigned Cindy Gillenwater who, being duly sworn, says that he/she is Clerk of the The Journal-Gazette newspaper of general circulation printed and published in the English language in the (city) (town) of Fort Wayne, IN in state and county aforesaid, and that the printed matter attached hereto is a true copy, which was duly published in said paper for 1 time, the dates of publication being as follows:

1/22/94

Subscribed and sworn to before me this 22nd day of Jan, 19 94.

Mary L Adkison
Notary Public

My commission expires:

MARY L ADKISON
NOTARY PUBLIC STATE OF INDIANA
ALLEN COUNTY
MY COMMISSION EXP JUNE 14, 1997

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ity in Marion County, Indiana.

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ment, Office of Air Management, 10th floor, Indiana
Government Center-North, 100 North Senate Ave-
nue, Indianapolis, Indiana 46204 or 317-233-5678.
Timothy J. Method
Assistant Commissioner

1-22

#422

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(SIP) Submittals

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Timothy J. Melhod
Assistant Commissioner

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Form Prescribed by State Board of Accounts

General Form No. 99 P-Rev

JAN 31 1994

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
(Government Unit)

POST-TRIBUNE

LAKE

County, Indiana

1065 BROADWAY, GARY, IND. 46402

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COMPUTATION OF CHARGES

153 lines, columns wide equals equivalent
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Additional charge for notices containing rule or tabular work
(50 percent of above amount)

Charge for extra proofs of publication
(\$1.00 for each proof in excess of two)

TOTAL AMOUNT OF CLAIM

\$ 32.59

DATA FOR COMPUTING COST

Width of single column 7.4 ems
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Number of insertions 1

Pursuant to the provisions and penalties of Ch. 155, Acts 1953,

I hereby certify that the foregoing account is just and correct, that the amount claimed is legally due, after allowing all just credits, and part of the same has been paid

Date JANUARY 24 19 94

Title CREDIT MANAGER

PUBLISHER'S AFFADAVIT

State of Indiana | SS
Lake County |

Personally appeared before me a notary public in and for said county and s

undersigned R. A. MILLER

being duly sworn, says that he is CREDIT MANAGER

of the POST-TRIBUNE a DAILY

newspaper of general circulation printed and published in the English language i

of GARY n state ar

aforsaid, and that the printed matter attached hereto is a true copy which was duly i

in said paper for 1 time the date of publication being a

JANUARY 24, 1994

Subscribed and sworn to before me this 25th day of JANUARY 19 94

KIMBERLY STANTON Notary Public
SEPTEMBER 3, 1994

My commission expires

Consideration of Adoption
of Amendments to
326 IAC 15-1-2
Source specific provisions
(Lead Rules - Refined Metals)

Issue

Amendments to 326 IAC 15-1-2 add new provisions for control of fugitive emissions and new monitoring, recordkeeping, and reporting requirements for the Refined Metals secondary lead smelting facility in Marion County, Indiana.

Background

On February 4, 1992, the Indiana Department of Environmental Management (IDEM) submitted a rule, 326 IAC 15-1-2, and supporting documentation regarding Refined Metals in Marion County to the U.S. Environmental Protection Agency (U.S. EPA) as a revision to Indiana's state implementation plan (SIP). That rule was prepared in response to a violation of the national ambient air quality standard (NAAQS) for lead. Since the final adoption of that rule by the Air Pollution Control Board two subsequent violations of the NAAQS for lead have occurred at monitoring sites in the vicinity of the Refined Metals plant. The first of those violations occurred during the fourth quarter of 1991 and the second during the first quarter of 1993. IDEM believes that the causes of those violations have been identified and is addressing those causes in this emergency rule.

On July 12, 1993, at FR 58 37450, the U.S. EPA proposed disapproval of Indiana's state implementation plan (SIP) submission for the Marion County lead nonattainment area. Indiana is required by the Clean Air Act Amendments of 1990 to have submitted an acceptable SIP revision for the Marion County lead nonattainment area by July 6, 1993. Upon publishing a final disapproval, the U.S. EPA will be required to take action against the state of Indiana. However, the U.S. EPA has agreed to refrain temporarily from starting the sanctions process if Indiana will withdraw the current SIP submission, submit an acceptable emergency rule and then submit a complete, final, and acceptable Marion County lead rule and supporting documents within six months after the emergency rule becomes effective. The emergency lead rule was adopted by the Indiana Air Pollution Control Board on September 2, 1993 and becomes effective on October 1, 1993. The pending SIP submission was withdrawn on September 23, 1993, and the new SIP submission is scheduled to be sent to the U.S. EPA on March 1, 1994.

Rule Analysis

A requirement that no visible emissions are allowed from the screw conveyor system, plus the incorporation of the federal test method to determine visible emissions results in an enforceable compliance methodology. The screw conveyor system is suspected to have caused the fourth quarter, 1991, violation of the NAAQS.

Refined Metals is currently using a negative pressure inside the enclosure housing the blast/dust furnaces, and localized hooding near the casting machine and refining kettles to ensure that process fugitive emissions do not escape the building confines without passing through a control device. This rule requires that the materials storage building also be kept under negative pressure. In addition it requires the installation of a continuous monitoring system to measure and record the pressure differential between the interior and exterior of the materials storage building. Fugitive emissions from the materials storage building are suspected of causing the first quarter, 1993, violation of the NAAQS.

The addition of operational, recordkeeping, and reporting requirements for the continuous opacity monitoring systems is being incorporated into the rules at this time to satisfy federal enforceability requirements.

These amendments to the rule do not change overall allowable emissions when compared to the existing rule. However, actual emissions should be lower under this rule because fugitive emissions will be reduced.

Air modeling, including modeling of fugitives from roadways and parking areas is currently being done and is expected to demonstrate that the National Ambient Air Quality Standard for lead will be protected by the proposed emergency rule. Additionally, the requirement to monitor negative pressure continuously provides the best available means of assuring continuous compliance with the negative pressure requirement of the proposed rule.

Consistency with Federal Requirements

The amendments to 326 IAC 15-1-2 are consistent with Federal requirements for State Implementation Plan submissions and the requirements for lead nonattainment areas set forth in the Clean Air Act Amendments of 1990.

Consideration of Factors Outlined in Indiana Code 13-7-7-2(b)

Indiana Code 13-7-7-2(b) requires that in adopting rules and establishing standards, the Board shall take into account the factors considered below:

IDEM believes that the proposed amendments to 326 IAC 15, which require improved air pollution control strategies and additional monitoring requirements, will improve existing conditions around Refined Metals and the air quality in general.

The past, present, and probable future uses of the facilities around Refined Metals will not be adversely affected and should be improved by the proposed amendments to 326 IAC 15.

The proposed amendments to 326 IAC 15 will reduce health risks by requiring better control of fugitive emissions and providing a means of continuously assuring compliance. Method 22 has also been added to

enhance enforceability of potential violations resulting from screw conveyor leaks.

The proposed amendments are technically feasible because many sources in Indiana are using negative pressure within a building as an effective air pollution control methodology.

The proposed amendments are economically reasonable because most of the pollution control equipment and other requirements of this rule have been implemented at the Refined Metals plant.

The proposed amendments will neither alter nor conflict with zoning classifications and will not affect the rights of all persons to a sufficiently uncontaminated environment as not to be injurious to human, animal, or aquatic life, or to the reasonable enjoyment of life and property.

Recommendation

It is recommended that the Board preliminarily adopt the amendments to 326 IAC 15-1 as presented.

Program Staff Contact: Philip A. Doyle (317/232-8420)

Office of Legal Counsel Contact: Joyce Martin (317/232-8493)

Enclosure 3, Item 6

Other Notices

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

NOTICE OF PUBLIC MEETING INDIANA POLLUTION PREVENTION BOARD

Notice is hereby given that a public meeting will be conducted at 1:00 p.m. (legal time) at the following location on the date indicated:

June 25, 1993
First Floor Hearings Room
Chesapeake Building, 105 South Meridian Street
Indianapolis, Indiana

The Pollution Prevention Board was established by the Industrial Pollution Prevention and Safe Materials Act, 1990, (IC 13-9-3-2). The Board is specifically charged with selecting a university or not-for-profit corporation to establish a Pollution Prevention and Safe Materials Institute; appointing a director for the Institute; assessing the progress of and overseeing the Institute; consulting with the Indiana Department of Environmental Management concerning implementation of the Industrial Pollution Prevention and Safe Materials Act; and providing a forum for discussion and deliberation on matters relating to the implementation of the Act.

A solicitation for proposals for the Pollution Prevention and Safe Materials Institute was issued by the Indiana Department of Administration on January 7, 1993.

The Board considered recommendations from an appointed subcommittee for the selection of a university or not-for-profit corporation to establish and implement the Institute at its March 26, 1993, meeting and narrowed the number of applicants down to two. The finalists are Purdue University and the Environmental Management Institute, Inc.

Each of these organizations will have the opportunity to give a thirty minute presentation and to answer directed questions from the Board for a fifteen minute period in this meeting. After due consideration of all the facts presented in the proposals and in their individual presentations, the Board is expected to make a final selection of the successful proposer to establish and operate the Pollution Prevention and Safe Materials Institute.

This notice is required by statute, Indiana Code 13-9-3-7(c)(2).

For additional information, contact Charles Sullivan of the Office of Pollution Prevention and Technical Assistance at 317/232-8172.

Leland E. Boren, Chairman
Pollution Prevention Board

TITLE 326 AIR POLLUTION CONTROL BOARD

FIRST NOTICE OF COMMENT PERIOD #93-3 DEVELOPMENT OF RULES CHANGES EFFECTING REFINED METALS REQUEST FOR PUBLIC COMMENT

PURPOSE OF NOTICE

The Indiana Department of Environmental Management (IDEM) is soliciting public comment on the following issues related to Refined Metals, a secondary lead smelting operation located in southeastern Marion County (326 IAC 15-1-2).

- (1) Provisions for ensuring that the blast furnace area, refining kettle area, and storage building are kept under continuous negative pressure.
- (2) Provisions regarding work practices designed to minimize the possibility of emitting lead dust into the air.

AUTHORITY

The authority under which the proposed rule changes are to be adopted:

IC 4-22-2

IC 13-1-1-4

IC 13-7-7-1

IC 13-7-7.1

SUBJECT MATTER AND BASIC PURPOSE

On January 6, 1992, a part of Franklin Township in Marion County surrounding the Refined Metals secondary lead smelting operation was officially designated as a lead nonattainment area by the U.S. EPA as a result of recorded violations of the National Ambient Air Quality Standard (NAAQS) for lead. The Clean Air Act Amendments of 1990 require that the State of Indiana submit a State Implementation Plan (SIP) to the U.S. EPA by July 6, 1993. The SIP must provide for the attainment of the lead standard as expeditiously as practicable but no later than 5 years from the date of the nonattainment designation. Provisions requiring that the storage building be kept under continuous negative pressure and provisions regarding work practices, when combined with the existing rule and a developing fugitive lead dust control plan, should provide for attainment of the lead standard by January 6, 1997.

STATUTORY AND REGULATORY REQUIREMENTS

Existing statute, IC 13-7-7-2(b) requires the Board to consider the following factors:

- (1) All existing physical conditions and the character of the area affected.
- (2) Past, present, and probable future uses of the area, including the character of the uses of surrounding areas.
- (3) Zoning classifications.
- (4) The nature of the existing air quality or existing water quality, as the case may be.
- (5) Technical feasibility, including the quality conditions that could reasonably be achieved through coordinated control of all factors affecting the quality.
- (6) Economic reasonableness of measuring or reducing any particular type of pollution.
- (7) The right of all persons to an environment sufficiently uncontaminated as not to be injurious to human, plant, animal or aquatic life or to the reasonable enjoyment of life and property should be enhanced through the adoption of these amendments.

PUBLIC COMMENTS

At this time, the department solicits:

- (1) the submission of alternate ways to achieve revisions to IDEM existing rules; and
- (2) the submission of comments on the proposed rule changes, including suggestions of specific language for the proposed rules.

Mailed comments should be sent to the attention of: Timothy J. Method, Assistant Commissioner, Office of Air Management, 105 South Meridian Street, P.O. Box 6015, Indianapolis, IN 46206-6015. Hand delivered comments will be accepted by the IDEM employee on duty at the fourth floor reception desk, Office of Air Management, 1 Jackson Square, Indianapolis, IN 46225.

Comment period deadline is July 1, 1993.

Additional information regarding these revisions can be obtained from: Larry Fedor, Air Toxics Section Chief, Office of Air Management, (317) 232-8223.

TITLE 326 AIR POLLUTION CONTROL BOARD**FIRST NOTICE OF COMMENT PERIOD #93-4****DEVELOPMENT OF RULES CHANGES EFFECTING VOLATILE ORGANIC COMPOUND RULES****REQUEST FOR PUBLIC COMMENT****PURPOSE OF NOTICE**

The Indiana Department of Environmental Management (IDEM) is soliciting public comment on revisions to the state implementation plan (SIP) involving Reasonably Available Control Technology (RACT) for volatile organic compounds (VOC).

IC 13-7-7.1 Notices

1994. The report shall include the following information regarding the permits required by this rule:

- (1) The number of sources subject to the requirements of this rule.
- (2) The number of permit applications received by the department.
- (3) The number and timeliness of final permit actions taken the previous year.
- (4) The adequacy of the fees collected by the department to fund the Part 70 permit program.

(Air Pollution Control Board; 326 IAC 2-7-19)

NOTICE OF FIRST MEETING/HEARING

Under IC 4-22-2, IC 13-7-7.4, and IC 7-7.1, notice is hereby given that the Air Pollution Control Board will hold a public hearing at its regularly scheduled meeting on October 6, 1993, at 1:00 p.m., in the Conference Center, Indiana Government Center-South, 302 West Washington Street, Indianapolis, Indiana 46204. This hearing is on proposed amendments to 326 IAC 2-1, 326 IAC 2-2, and new 326 IAC 2-7. Comments on additional changes to existing rules within Title 326 will also be heard.

The purpose of this hearing is to receive comments from the public prior to the preliminary adoption of this rule by the Board. All interested persons are invited and will be given reasonable opportunity to express their views concerning the proposed amendments. Oral statements will be heard, but for the accuracy of the record, all important statements should be submitted in writing. Mailed statements should be sent to the attention of Mr. Timothy J. Method, Assistant Commissioner, Office of Air Management, Department of Environmental Management, 105 South Meridian Street, P.O. Box 6015, Indianapolis, Indiana 46206-6015. All comments must be postmarked by October 13, 1993.

TITLE 326 AIR POLLUTION CONTROL BOARD

SECOND NOTICE OF COMMENT PERIOD

#93-3

DEVELOPMENT OF RULES CHANGES AFFECTING REFINED METALS

PURPOSE OF NOTICE

The Indiana Department of Environmental Management (IDEM) is soliciting public comment on the following issues related to 326 IAC 15-1-2, Refined Metals, a secondary lead smelting operation located in southeastern Marion County.

- (1) Provisions for ensuring that the blast furnace area, refining kettle area, and storage building are kept under continuous negative pressure.
- (2) Provisions regarding work practices designed to minimize the possibility of emitting lead dust into the air.

The Clean Air Act Amendments of 1990 require that the State of Indiana submit a State Implementation Plan (SIP) to the U.S. EPA by July 6, 1993. The SIP must provide for the attainment of the lead standard as expeditiously as practicable but no later than five (5) years from the date of the nonattainment designation.

This notice complies with SEA 302 (P.L. 34-1993), IC 13-7-7.1-4 and contains:

- (1) The full text of the proposed rule;
- (2) A summary of the response of the department to written comments submitted during the first public comment period; and
- (3) Notice of the first meeting/hearing of the Air Pollution Control Board at which testimony on the proposed rule will be taken and the Board will consider the proposed rule.

This notice also requests the submission of comments, including suggestions of specific amendment language contained in the proposed rule. All comments and suggested amendment language should reference the proposed rule rather than offer unrelated language or unresponsive comments.

CITATIONS AFFECTED: 326 IAC 15-1-2.

PUBLIC COMMENTS

At this time, the department solicits:

- (1) the submission of alternate ways to achieve the purpose described above; and
- (2) the submission of comments on the proposed rulemaking, including suggestions of specific language for the proposed rules.

Mailed comments should be sent to the attention of Mr. Timothy J. Method, Assistant Commissioner, Office of Air Management, 105 South Meridian Street, P.O. Box 6015, Indianapolis, Indiana 46206-6015. Hand delivered comments will be accepted by the IDEM employee on duty at the fourth floor reception desk, Office of Air Management, One Jackson Square, 223 South McCrea Street, Indianapolis, Indiana 46225. Comment period deadline is postmarked or hand delivered by August 31, 1993.

Additional information regarding this action can be obtained from Philip Doyle, Office of Air Management, (317) 232-8420.

SUMMARY/RESPONSE TO COMMENTS FROM THE FIRST COMMENT PERIOD

The Indiana Department of Environmental Management requested public comment from June 1, 1993 through June 30, 1993, on the development of lead site specific provisions for the Refined Metals secondary lead smelting operation in Marion County, Indiana.

Mr. Ray Funk, an Indianapolis west side resident was the only commentator.

SUMMARY OF COMMENTS AND RESPONSES

Comment: The Indiana Air Pollution Control Board should implement provisions to insure that the blast furnace area and the storage building are kept under continuous negative pressure.

Response: The draft amendments to 326 IAC 15-1-2, the site specific provisions of the lead rule have been crafted to specifically require that the buildings housing the lead storage area, the furnace area, the refinery kettle area and the operation are maintained under negative pressure.

Comment: Provisions regarding work practices should be designed to eliminate the possibility of lead dust being emitted into the air.

Response: The fugitive lead dust plan as well as provisions in the draft rule will ensure that lead dust does not escape the confines of the buildings except as vented through a control device.

Comment: Sulfur dioxide emitted as a component of the flue gas from secondary lead smelters can be a health threat to people with allergies and respiratory illness.

Response: This rulemaking does not address sulfur dioxide emissions from the Refined Metals facility. However, IDEM is sensitive to the concerns of Mr. Funk with regard to sulfur dioxide emissions from any source.

PROPOSED RULE

SECTION 1. 326 IAC 15-1-2, PROPOSED TO BE AMENDED AT 16 IR 2222, SECTION 1, IS AMENDED TO READ AS FOLLOWS:

326 IAC 15-1-2 Source-specific provisions

Authority: IC 13-1-4

Affected: IC 13-1-1; IC 13-7-7

Sec. 2. (a) The sources listed below shall comply with the following emission and operating provisions:

Source	Facility Description	Emission Limitation	
		lbs./hr.	
(1) Refined Metals of Indianapolis	M-1 baghouse stack ¹	0.91	
	M-2 baghouse stack ¹	0.15	
	M-3 baghouse stack ¹	0.15	
	M-4 baghouse stack ¹	0.30	

¹Compliance shall be achieved on or before April 30, 1992.

(A) On or before June 1, 1987, Refined Metals of Indianapolis shall install and operate hooding systems for the blast furnace skip hoist and charging area, the blast furnace slag and lead tapping area, the casting area, the refining kettles, and the lead dust furnace charging area.

(B) The hooding systems required for the operations listed in clause (A) shall vent the emissions through a control device to one (1) of the four (4) stacks, M-1 through M-4.

(C) On or before June 1, 1987, Refined Metals of Indianapolis shall also install and operate enclosed screw conveyors to transport lead flue dusts to the lead dust furnace. The enclosed screw conveyors shall not leak lead bearing flue dust.

(D) On or before April 1, 1992, Refined Metals of Indianapolis shall totally enclose the building housing the blast furnace and the dust furnace. Total enclosure shall be demonstrated as follows:

(i) Access doors and windows in the total enclosure shall be closed during routine operations.

(ii) The interior of the total enclosure must operate at a lower pressure than its surroundings so that air flows into the enclosure at all natural draft openings.

(iii) The average air velocity through the natural draft openings shall be at least five hundred (500) feet per minute.

(iv) Sources of emissions shall be located at least four (4) times the opening area divided by the perimeter from each natural draft opening.

(v) The total area of all natural draft openings shall be less than five percent (5%) of the surface area of the total enclosure's four (4) walls, floor, and ceiling.

The buildings housing the blast furnace, dust furnace, refining kettles, casting operation, and lead storage shall be kept under continuous negative pressure by constant flow rate fans ducted to control devices. Fugitive emissions shall not escape these buildings except as vented through control devices.

(E) The company shall install and operate a monitoring device which will continuously measure and record either pressure differential or flow to ensure that the buildings are maintained under negative pressure while the plant is in operation. The methodology and equipment required to perform this continuous monitoring must be approved by Indiana department of environmental management (IDEM), U.S. EPA, and IAPCS.

(F) The blast furnace and the dust furnace fugitive emissions shall be drawn from the enclosure by a constant flow rate fan to

a control device. The control device shall vent to the atmosphere through the M-4 baghouse stack which shall be at least eighty (80) feet in height from ground level.

(F) (G) Visible emissions from the M-1, M-2, M-3, and M-4 baghouse stacks and from building openings shall not exceed a six (6) minute average of three percent (3%) opacity for each stack and opening as determined in accordance with 40 CFR 60, Appendix A, Method 9.

(G) (H) Refined Metals of Indianapolis shall install and operate continuous opacity monitors (COM) in the M-1 and the M-4 baghouse stacks. COM data shall be used to determine compliance with the three percent (3%) opacity limits required by clause (G). The COMs shall meet the performance and installation requirements of 40 CFR 60, Appendix B, Performance Specification 1. The COMs shall be operated in accordance with the procedures specified in 326 IAC 3-1-1, requirements of 40 CFR 51, Appendix M, Method 203.

(i) A written standard operating procedure (SOP) for COMs shall be submitted to IDEM for approval. The department shall complete the review of the COMs SOP within sixty (60) days of submittal. The COMs SOP shall contain, at minimum, the following:

(AA) Calibration procedures.

(BB) Operation procedures.

(CC) Preventive maintenance procedures.

(DD) Quality control and quality assurance procedures.

(EE) Record keeping and reporting procedures.

(ii) IDEM shall be notified fourteen (14) days in advance of each quarterly performance audit required by 40 CFR 51, Appendix M, Method 203. Results of quarterly performance audits shall be submitted to IDEM within forty-five (45) days after the audit is conducted.

(iii) COMs excess emission reports shall be submitted to IDEM within thirty (30) days following the end of each calendar quarter. These reports shall contain, at minimum, the following:

(AA) The operating time of the monitored facilities.

(BB) The date and time each COMs recorded opacity measurements above the three percent (3%) opacity limit.

(CC) The date and time each COMs was inoperative or malfunctioning.

(DD) A description of the nature and cause of any excess emissions.

(H) (I) Refined Metals of Indianapolis shall achieve compliance with clauses (D) through (G) (H) by April 30, 1992, March 1, 1994. In the event that the plant is idle on March 1, 1994, compliance with clauses (D) through (H) shall be achieved by the date the plant resumes production. Refined Metals shall notify IDEM thirty (30) days before production resumes to enable IDEM to make a compliance determination.

(J) Refined Metals of Indianapolis shall perform a stack test on the M-1, M-2, M-3, and M-4 baghouse stacks and demonstrate compliance with this subdivision by June 30, 1992. Stack tests shall be conducted while the plant is operating at ninety-five percent (95%) to one hundred percent (100%) of full capacity. 40 CFR 60, Appendix A, Reference Methods 1 through 5 shall be used to demonstrate compliance.

(K) Any violation of the NAAQS shall result in an investiga-

IC 13-7-7.1 Notices

tion to determine the cause of the violation. Such an investigation shall be completed within ninety (90) days after the date the violation is confirmed. Corrective action shall be completed within one hundred eighty (180) days after the cause of the violation is determined or upon resumption of production should Refined Metals decide to halt production after a confirmed violation of the NAAQS occurs.

(2) Chrysler Corporation Foundry, Indianapolis	Cupola stack	0.550
	Cupola fugitive	1.894
(3) Delco Remy Division of General Motors Corporation, Muncie	Lead oxide mfg. stack (each of 5)	0.068
	Oxide grinder stack (each of 2)	0.123
	*Central tunnel system stack (each of 4)	0.254
	Reverberatory furnace stack	0.225
	O.S.I. drying oven stack (each of 4)	0.0015
	Electric melting pot stack	0.159

*On or before June 1, 1987, Delco Remy shall install ductwork to vent emissions from the vacuum cleaning lines through the control devices and stacks serving the Central Tunnel System.

(4) Indiana Oxide Corporation, Brazil	Barton #1 reactor	0.215
	Barton #2 reactor	0.215
	Barton #3 reactor	0.215
	Barton #4 reactor	0.215
	Rake furnace	0.006
	Kiln #2	0.002
	*Franklin reactor	0.603

*Shall not operate more than 670 hours per quarter.

(5) U.S.S. Lead Refinery, East Chicago	*Blast furnace stack	0.002
	*Blast furnace fugitive	
	Charging	2.922
	Lead tapping	0.002
	Slag tapping	0.005
	*Refining kettles fugitive	0.0001
	*Casting fugitive	0.393
	*Reverberatory furnace fugitive	0.345

*Shall not operate more than 334 hours per quarter.

(6) Hammond Lead Products, Inc., HLP-Lead Plant	Stack 4A-S-8	0.053
	Stack 14-S-16	0.053
	Stack 1-S-2	0.053
	Stack 1-S-26	0.053
	Stack 16-S-56	0.200
	Stack 1-S-52	0.070
	Stack 1-S-27	0.020
	Stack 4-S-35	0.090
	Stack 6-S-33	0.070
	Stack 4B-S-34	0.080
	Stack 6-S-47	0.021
	Stack V-1	0.090
	Stack V-11	0.006

(A) The ventilator control system (Stack V-1) shall consist of a fan with a constant flow rate that draws air from the building through a HEPA filter which vents to the atmosphere through a stack. The HEPA filters shall be maintained and operated in order to achieve maximum control efficiency. In addition to the requirements contained in subsection (c), Hammond Lead Products, Inc. shall submit an operation and maintenance plan by

July 31, 1990, which incorporates good housekeeping practices for the ventilator control systems. This operation and maintenance plan shall be incorporated into the operating permits for Hammond Lead Products, Inc. and submitted to U.S. EPA as a revision to Indiana's lead state implementation plan by December 31, 1990. The ventilator control systems shall be designed such that process fugitive emissions will not routinely escape the buildings except as vented through the ventilator control systems. The compliance test method specified in section 4(a) of this rule shall be used to determine compliance with the emission limitations for the ventilator control system stacks.

(B) By December 31, 1989, the stack heights for all processes except Stack 16-S-56, Stack 1-S-52, and the ventilator control systems shall be no less than sixty (60) feet above grade; the stack heights for Stack 16-S-56 and Stack 1-S-52 shall be no less than eighty-two (82) feet above grade; and the stack height for Vent 11 shall be no less than thirty-five (35) feet above grade. By July 31, 1990, the stack heights for the other ventilator control systems shall be no less than sixty (60) feet above grade.

(C) Hammond Lead Products, Inc. shall install HEPA filters according to the following schedule:

Stack 4A-S-8	March 31, 1992
Stack 14-S-16	June 30, 1992
Stack 1-S-2	December 31, 1991
Stack 1-S-26	September 30, 1992
*Stack 16-S-56:	
130 bag filter	November 20, 1989
100 bag filter	December 6, 1989
80 bag filter	June 1, 1989
72 bag filter	December 31, 1991
Stack 1-S-52	December 31, 1989
Stack 1-S-27	August 15, 1987
Stack 4-S-35	October 16, 1989
Stack 6-S-33	July 22, 1988
Stack 4B-S-34	October 5, 1989
Stack 6-S-47	May 26, 1988

*Four (4) bag filters are vented through common Stack 16-S-56.

(D) Hammond Lead Products, Inc. shall provide written notification to the commissioner within three (3) days after the installation of HEPA filters is completed at each of the sites listed in clause (A).

(E) All emissions limitations in this subdivision shall be met by December 31, 1992.

(F) This subdivision shall be submitted to the U.S. EPA as a revision to the Indiana state implementation plan.

(7) Hammond Lead Products, Inc.	¹ Stack S-1	1.000
	Stacks S-4, S-5 (each)	0.100
	Stacks S-6, S-7, S-8 (each)	0.120
Halstab Division	² Stacks S-9, S-10, S-11 (each)	0.120
	³ Stacks S-12, S-13 (each)	0.120
	⁴ Stacks S-14, S-16 (each)	0.120
	⁵ Stack S-15	0.120
	Stack S-17	0.100

¹Shall not operate more than 166,5000 hours per quarter

²Shall not operate more than 625 hours per quarter per stack

³Shall not operate more than 250 hours per quarter per stack

⁴Shall not operate more than 1,000 hours per quarter per stack

⁵Shall not operate more than 1,500 hours per quarter

(8) Quemetco, Inc.,	Stack 100	1.000
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Indianapolis	Stack 101	0.015
	Stack 102	0.015
	Stack 103	0.015
	Stack 104	0.015
	Stack 105	0.015
	Stack 106	0.015
	Stack 107	0.015
	Stack 108	0.015
	Stack 109	0.008
	Stack 110	0.008

(A) Fugitive emissions from reverberatory furnace, electric arc furnace, casting, and refinery kettles shall be controlled as follows:

(i) The interior of the building must operate at a lower pressure than its surroundings so that air flows into the building at all openings.

(ii) The company shall install and operate a monitoring system or device which will measure either pressure differential or flow to ensure that the building operates under negative pressure. The methodology and equipment must be approved by the Indiana department of environmental management, the U.S. EPA, and the Indianapolis air pollution control division.

(B) The fugitive emissions shall be drawn from the enclosure to control devices by negative air pressure from use of constant flow rate fans. Fugitive emissions will not routinely escape the building except as vented through control devices and then to the atmosphere through the main process stack that is at least one hundred sixty-five (165) feet above ground level or through HEPA filters venting the building roof. Visible emissions from all building openings and HEPA filter exhausts shall not exceed an average of three percent (3%) opacity as determined in accordance with 40 CFR 60, Appendix A, Method 9. Quemetco, Inc. shall operate a continuous opacity monitor in the main process stack (Stack 100). Continuous opacity monitor data shall be used to determine compliance. The opacity limit for the main process stack shall be ten percent (10%). The continuous opacity monitor shall be operated in accordance with the procedures specified in 326 IAC 3-1.1.

(C) Quemetco, Inc. shall achieve compliance with clauses (A) and (B) according to the following schedule:

(i) Complete on-site construction, including the installation of continuous opacity monitor on main process stack by January 1, 1994.

(ii) Perform stack test on main process stack and demonstrate compliance with this subdivision by March 1, 1994.

(D) Quemetco, Inc. shall submit a written statement providing evidence to the commissioner within thirty (30) days of each applicable date specified in clause (C) that the requirements of this subdivision have been met.

(b) In addition to the sources listed in subsection (a), the following sources shall comply with subsection (c) and section 3 of this rule:

(1) Exide Corporation, Logansport.

(2) C & D Batteries, Attica.

(3) Exide Corporation, Frankfort.

(c) Operation and maintenance programs shall be designed to prevent deterioration of control equipment performance. For sources listed in subsection (a)(1) through (a)(7), these programs shall be submitted to the department of environmental management, office of

air management, on or before June 1, 1987. For sources listed in subsections (a)(8) through (b), these programs shall be submitted to the office of air management on or before February 1, 1988. These programs will be incorporated into the individual source operation permits. (Air Pollution Control Board; 326 IAC 15-1-2; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2564; errata filed Jul 6, 1988, 1:00 p.m.: 11 IR 3921; filed Jun 14, 1989, 5:00 p.m.: 12 IR 1850; filed Aug 8, 1991, 10:00 a.m.: 14 IR 2203; filed Dec 17, 1992, 5:00 p.m.: 16 IR 1379; errata filed Mar 10, 1993, 5:00 p.m.: 16 IR 1832)

NOTICE OF FIRST MEETING/HEARING

Under IC 4-22-2, IC 13-7-7-4, and IC 7-7.1, notice is hereby given that the Air Pollution Control Board will hold a public hearing at its regularly scheduled meeting on October 6, 1993, at 1:00 p.m., in the Conference Center, Indiana Government Center-South, 302 West Washington Street, Indianapolis, Indiana 46204. This hearing is on proposed amendments to 326 IAC 15-1-2, Refined Metals, a lead smelting facility in Marion County.

The purpose of this hearing is to receive comments from the public prior to the preliminary adoption of this rule by the Board. All interested persons are invited and will be given reasonable opportunity to express their views concerning the proposed amendments. Oral statements will be heard, but for the accuracy of the record, all important statements should be submitted in writing. Mailed statements should be sent to the attention of Mr. Timothy J. Method, Assistant Commissioner, Office of Air Management, Department of Environmental Management, 105 South Meridian Street, P.O. Box 6015, Indianapolis, Indiana 46206-6015. All comments must be postmarked by October 13, 1993.

TITLE 327 WATER POLLUTION CONTROL BOARD

FIRST NOTICE OF COMMENT PERIOD #93-2

DEVELOPMENT OF RULES FOR SECONDARY CONTAINMENT OF HAZARDOUS MATERIALS

PURPOSE OF NOTICE

The Indiana Department of Environmental Management (IDEM) is soliciting public comment on the addition of secondary containment of hazardous waste under 327 IAC 2-10.

CITATIONS AFFECTED: 327 IAC 2-10.

AUTHORITY: IC 13-1-3-4; IC 13-1-3-19.

SUBJECT MATTER AND BASIC PURPOSE

Spills and releases of oil and other objectionable materials have been reportable for many years under existing water pollution control programs. Some states, located primarily in midwestern and plains states, have either promulgated rules or are actively pursuing rules to regulate the containment of hazardous materials, pesticides, and fertilizers stored above ground. The enactment of SARA, Title III and the subsequent establishment of Local Emergency Planning Committees (LEPC), has brought about increased awareness of the potential of pollution by sudden releases of hazardous materials. While Title III does not require secondary containment for hazardous

1994 at 1:30 p.m., at the Indiana Government Center, 402 West Washington Street, Second Floor West Conference Room, Indianapolis, Indiana the Department of Natural Resources will hold a public hearing on proposed amendments of 310 IAC 12 concerning surface coal mining and reclamation to address concerns raised by the federal Office of Surface Mining in the context of regulatory reform. Copies of these rules are now on file at the Indiana Government Center, 402 West Washington Street, Room W272 and Legislative Services Agency, 106 State House, Indianapolis, Indiana and are open for public inspection.

Michael Kiley
Chairman
Natural Resources Commission

TITLE 326 AIR POLLUTION CONTROL BOARD

Proposed Rule
LSA Document #93-201

DIGEST

Amends 326 IAC 15-1-2 to establish requirements to maintain the materials storage building and the blast/dust furnace area under constant negative pressure and to continuously monitor negative pressure. Additionally, specific criteria are set for the control of both fugitive and stack emissions. Effective 30 days after filing with the secretary of state.

SUMMARY/RESPONSE TO COMMENTS FROM THE SECOND COMMENT PERIOD

The Indiana Department of Environmental Management requested public comment from August 1, 1993, through August 30, 1993, on the development of site specific provisions for the Refined Metals secondary lead smelting facility located in southeastern Marion County. Comments were received from Refined Metals and from the U.S. EPA.

SUMMARY OF COMMENTS AND RESPONSES

1. Refined Metals comments and IDEM responses

Comment: Re: 326 IAC 15-1-2(a)(1)(D) - The negative pressure requirement for the blast furnace, dust furnace, refining kettles, lead storage area, and casting machine is not what was discussed with IDEM and not attainable with existing equipment. The casting, refining and warehouse areas are not sources of significant emissions. The blast furnace enclosure should be kept under a negative pressure (as specified in the original rule). The material storage building can be kept under negative pressure by utilizing the excess capacity of M-4 baghouse (as we discussed with IDEM). Whether the M-4 baghouse actually has sufficient capacity to maintain an acceptable and measurable negative pressure on the material storage building has yet to be determined. As Refined Metals' fugitive emission control system is designed to minimize the possibility of fugitives being released, and the purpose of the rule is to protect the NAAQS, we feel that any

requirement for "zero" emissions is completely unwarranted.

Response: IDEM agrees that the area which houses the casting machine, the refining kettles, and storage of finished cast lead product is not a problem area from the standpoint of fugitive lead emissions. Hoods ducted to baghouses are utilized at each of the process areas to ensure that process fugitives do not disperse into the rest of the building. IDEM also agrees that maintaining a constant negative pressure in areas of the building far removed from the process areas may be difficult. The requirement to keep the building which houses the casting operation, refining operation, and the finished cast lead product under constant negative pressure will be dropped. However, a three percent opacity limit from all building openings as determined by a modified Method 9 will be in effect.

There is no question that the blast furnace and dust furnace areas are currently maintained under significant negative pressure. IDEM has determined that the attached materials storage building needs to be maintained under negative pressure since it is believed to be the source of lead dust which caused the most recent violation of the national ambient air quality standard (NAAQS) for lead in the Marion County lead nonattainment area. IDEM believes that negative pressure in the material storage building should be achievable by utilizing the excess capacity of the M-4 baghouse. If the required continuous pressure differential monitoring device demonstrates that this is not possible, then other alternatives will have to be considered by Refined Metals in order to insure that a measurable negative pressure exists in the material storage building.

Comment: Re: 326 IAC 15-1-2(a)(1)(E) - Refined Metals is quite willing to install and operate a monitoring system to ensure that the blast/dust furnace building operates under negative pressure. We are also willing to explore the feasibility of monitoring negative pressure in the material storage building. However, maintaining the casting, refining, and lead storage building under negative pressure is simply not feasible nor do we feel it is warranted due to the conditions within this building.

Response: IDEM believes that due to the large capacity of the M-4 baghouse and the nature of the enclosure around the blast/dust furnace area that there is no question about this area being maintained under negative pressure. The area of real concern is the material storage building. The potential for lead dust being stirred up in this building on a regular basis is considerable. The fugitive lead dust plan which will accompany the finally adopted version of this rule to the USEPA as part of the state implementation plan (SIP) submittal addresses some of the work practices followed in this building but IDEM believes that the requirement for negative pressure is necessary even with improved work practices in order to prevent continued violations of the NAAQS.

Comment: Re: 326 IAC 15-1-2(a)(1)(G) - The proposed 3% opacity limit should be changed to 10% with 3% being an action level. Upon reaching the action level specific procedures should be initiated to locate and correct the cause of emissions. The 10% limit is consistent with the limits proposed for other secondary lead smelters.

Response: Rather than use a 10% limit with a 3% action level staff recommends the use of a 5% opacity limit for the stacks at Refined Metals. A 5% limit is reasonable from the standpoint of continuous emissions monitoring response capability and yet keeps a tight, but attainable limit, in place. The 10% opacity limit has been proposed for Quemetco, Inc., a secondary lead smelter also located in Marion County, but that source is not in a lead nonattainment area nor does it have a history of violations.

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Comment: Re: 326 IAC 15-1-2(a)(1)(I) - This should be changed to read "ninety (90) days after the plant resumes operation." This will allow sufficient time to install necessary equipment to achieve compliance and work out "bugs" associated with this equipment.

Response: Staff at IDEM are operating under the belief that this equipment is being obtained at the present time in response to the Refined Metals emergency lead rule. IDEM believes that the date should remain the same.

2. USEPA comments and IDEM responses

The Regulation Development Section of the Regulation Development Branch has reviewed the latest draft rule for Refined Metals, sent to the United States Environmental Protection Agency (USEPA) on July 12, 1993. EPA provided comments to identify approvability problems early in the process.

Comment: 326 IAC 15-1-2(a)(1)(C) contains a phrase which states . . . "The enclosed screw conveyors shall not leak lead bearing flue dust."

Because lead bearing flue dust cannot be identified by visible inspection, this clause should state that there shall be no visible emissions from the screw conveyor. Compliance should be determined by Method 22.

Response: IDEM agrees and has incorporated USEPA's recommended language in the version of the rule which will be presented to the Air Pollution Control Board (Board) on October 6, 1993 for preliminary adoption.

Comment: 326 IAC 15-1-2(a)(1)(E) states that the buildings shall be maintained under negative pressure and that continuous monitoring (must be performed) by a monitoring device (which) must be approved by IDEM, USEPA, and IAPCS.

The methodology should be resolved before final adoption of (the) rule. Realizing that the statement "no visible emissions" may not be appropriate in this situation due to the opening of doors, on occasion, USEPA recommends use of a modified Method 9 to show compliance with any potential emissions coming from the buildings operating under negative pressure. Such a statement might read "compliance shall be determined by a modified Method 9: A three (3) minute, three percent (3%) opacity standard shall be determined as an average of twelve (12) consecutive observations recorded at fifteen (15) second intervals."

Response: IDEM has included a requirement for the type of differential pressure monitoring system in the version of the rule which was submitted to the board on October 6, 1993. Also included are an installation location for the device, operational requirements, and recordkeeping requirements. Specific acceptable pressure drop limits have not been established since this methodology has not been previously applied in Indiana's air pollution control rules. As long as any negative pressure can be measured at the selected monitoring location IDEM believes that an adequate negative pressure will exist in the blast/dust furnace area and in the material storage building.

IDEM agrees with and has incorporated USEPA's suggestion to use a modified Method 9 to determine fugitive emissions from the material storage building, the blast/dust furnace area, and the building housing the casting operation, the refining kettles, and the finished product storage area.

Comment: 326 IAC 15-1-2(a)(1)(H) describes Continuous Opacity Monitors in stacks M-1 and M-4 and references operating requirements to 40 CFR 51, Appendix M, Method 203.

The requirements to 40 CFR 51, Appendix M, Method 203 have not been finalized. Once finalized, the CFR edition should be stated, as well.

Response: Staff has opted not to include the reference to Method 203 since that procedure has not yet been promulgated at the federal level.

Comment: 326 IAC 15-1-2(a)(1)(J) does not require stack tests by a certain date after operation resumes.

Response: Stack tests on the M-1, M-2, M-3, and M-4 baghouse stacks were conducted prior to June 30, 1992, as required by the existing rule. No changes in the operations of the plant have occurred to justify requiring Refined Metals to duplicate those tests at this time. The draft rule addressed the issues related to stack testing in response to USEPA enforceability comments on the previous Refined Metals rule. Rule language has been amended. IDEM may request a stack test at any time under existing rules.

SUMMARY/RESPONSE TO COMMENTS FROM THE FIRST PUBLIC HEARING/BOARD MEETING

The Indiana Air Pollution Control Board conducted the first public hearing/board meeting regarding the development of site specific provisions for the Refined Metals secondary lead smelting facility located in southeastern Marion County on October 6, 1993. One comment was made by Refined Metals before the Board. The comment was responded to by IDEM.

SUMMARY OF COMMENTS AND RESPONSES

1. Refined Metals comment and IDEM response

Comment: We disagree with the proposed 5% opacity limits for M-1 and M-4 stacks. We submitted a written comment on August 6, 1993, asking for a 10% limit which would be consistent with our competitors across town. In good faith we also proposed that an action level of 3% be included, at which point procedures would be implemented to locate and eliminate the source of the opacity. IDEM responded that our competitor has no history of violations, and that is the reason their standard is less stringent. I would like to point out that the suspected causes of our two previous violations have been addressed in other sections of the proposed rule. No reference is made in either the background or rule analysis that the stacks were ever the suspected causes of the violations.

Given the competitive nature of our business, we feel it imperative that we be governed on an equal basis. We therefore ask that the proposed opacity limit be raised to 10% with an action level of 3%.

Response: Chairman Rariden solicited comments or questions from the Board.

Mr. Anderson responded by stating that Refined Metals' competitor was not in a lead nonattainment area. He then sought confirmation of that statement.

Mr. Method, the Assistant Commissioner of the Office of Air Management responded in the affirmative.

Mr. Anderson asked if that was the reason for the difference in opacity limits.

Mr. Method responded that it is typical to have more stringent requirements apply where there has clearly been an air quality problem that led to nonattainment of the standard. He pointed out that in this situation there has been a history of monitored air quality violations of the lead standard and that IDEM felt the need to place restrictions which properly minimize emissions. He added that the opacity limit has been raised from 3% to 5% and that IDEM believes that 5% is achievable with the equipment in use at Refined Metals. He said the 5% limit would provide an incentive to maintain the equipment in good working order and that IDEM wants emissions from all sources at this facility to be maintained at a level which IDEM feels

is necessary in order to guarantee that the repeated problems of the past do not reoccur.
The Board unanimously adopted the proposed rule.

326 IAC 15-1-2

SECTION 1. 326 IAC 15-1-2, PROPOSED TO BE AMENDED AT 16 IR 2222, SECTION 1, IS AMENDED TO READ AS FOLLOWS:

326 IAC 15-1-2 Source-specific provisions

Authority: IC 13-1-4

Affected: IC 13-1-1; IC 13-7-7

Sec. 2. (a) The sources listed below shall comply with the following emission and operating provisions:

Source	Facility Description	Emission Limitation lbs./hr.
(1) Refined Metals of Indianapolis	M-1 baghouse stack ¹	0.91
	M-2 baghouse stack ¹	0.15
	M-3 baghouse stack ¹	0.15
	M-4 baghouse stack ¹	0.30

¹Compliance shall be achieved on or before April 30, 1992.

(A) On or before June 1, 1987, Refined Metals of Indianapolis shall install and operate hooding systems for the blast furnace skip hoist and charging area, the blast furnace slag and lead tapping area, the casting area, the refining kettles, and the lead dust furnace charging area.

(B) The hooding systems required for the operations listed in clause (A) shall vent the emissions through a control device to one (1) of the four (4) stacks, M-1 through M-4.

(C) On or before June 1, 1987, Refined Metals of Indianapolis shall also install and operate enclosed screw conveyors to transport lead flue dusts to the lead dust furnace. There shall be no visible emissions from the screw conveyors. Compliance shall be determined by 40 CFR 60, Appendix A, Method 22**.

(D) On or before April 1, 1992, Refined Metals of Indianapolis shall totally enclose The building buildings housing the blast furnace, and the dust furnace, Total enclosure and materials storage shall be demonstrated as follows:

- (i) Access doors and windows in the total enclosure shall be closed during routine operations.
- (ii) The interior of the total enclosure must operate at a lower pressure than its surroundings so that air flows into the enclosure at all natural draft openings.
- (iii) The average air velocity through the natural draft openings shall be at least five hundred (500) feet per minute.
- (iv) Sources of emissions shall be located at least four (4) times the opening area divided by the perimeter from each natural draft opening.
- (v) The total area of all natural draft openings shall be less than five percent (5%) of the surface area of the total enclosure's four (4) walls, floor, and ceiling.

kept under continuous negative pressure by constant flow

rate fans ducted to control devices.

(E) The company shall install and operate a continuous monitoring system to measure and record pressure differential to ensure that the materials storage building and the blast/dust furnace area are maintained under negative pressure while the plant is in operation. The monitoring system shall be located on the north wall of the materials storage building. It shall consist of a differential pressure sensor/transmitter, a processor, and a recording device. This system shall produce valid data ninety-five percent (95%) of the time when the plant is operating. Data generated by this monitoring system shall be kept available for inspection at the site for a period of two (2) years.

(F) The blast furnace and the dust furnace fugitive emissions shall be drawn from the enclosure by a constant flow rate fan to a control device. The control device shall vent to the atmosphere through the M-4 baghouse stack which shall be at least eighty (80) feet in height from ground level.

(G) Visible emissions from the M-1, M-2, M-3, and M-4 baghouse stacks and from building openings shall not exceed a six (6) minute average of three percent (3%) five percent (5%) opacity for each stack and opening as determined in accordance with 40 CFR 60, Appendix A, Method 9**.

(H) Visible emissions from building openings such as doors and windows shall not exceed a three (3) minute average of three percent (3%) opacity. Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9** except that the opacity standard shall be determined as an average of twelve (12) consecutive observations recorded at fifteen (15) second intervals.

(I) Refined Metals of Indianapolis shall install and operate continuous opacity monitors (COM) in the M-1 and the M-4 baghouse stacks. COM data shall be used to determine compliance with the three percent (3%) five percent (5%) opacity limits. The COMs shall be operated in accordance with the procedures specified in 326 IAC 3-1-1, required by clause (G). The COMS shall meet the performance and installation requirements of 40 CFR 60, Appendix B, Performance Specification 1**. Quarterly performance audits are required, including the following:

(i) A written standard operating procedure (SOP) for COMS shall be submitted to the department for approval. The department shall complete the review of the COMS SOP within sixty (60) days of submittal. The COMS SOP shall contain, at minimum, the following:

- (AA) Calibration procedures.
- (BB) Operation procedures.
- (CC) Preventive maintenance procedures.
- (DD) Quality control and quality assurance procedures.
- (EE) Record keeping and reporting procedures.

Proposed Rules

(ii) IDEM shall be notified fourteen (14) days in advance of each quarterly performance audit. Results of quarterly performance audits shall be submitted to the department within forty-five (45) days after the audit is conducted.

(iii) COMS excess emission reports shall be submitted to the department within thirty (30) days following the end of each calendar quarter. These reports shall contain, at minimum, the following:

(AA) The operating time of the monitored facilities.

(BB) The date and time each COMS recorded opacity measurements above the five percent (5%) opacity limit.

(CC) The date and time each COMS was inoperative or malfunctioning.

(DD) A description of the nature and cause of any excess emissions.

(H) (J) Refined Metals of Indianapolis shall achieve compliance with clauses (D) through (G) (I) by April 30, 1992. March 1, 1994. In the event that the plant is idle on March 1, 1994, compliance with clauses (D) through (H) shall be achieved by the date the plant resumes production. Refined Metals shall notify the department thirty (30) days before production resumes to enable the department to make a compliance determination.

(H) (K) Refined Metals of Indianapolis shall perform a stack test on the M-1, M-2, M-3, and M-4 baghouse stacks and demonstrate compliance with this subdivision by June 30, 1992.

(L) Any violation of the National Ambient Air Quality Standards (NAAQS) shall result in an investigation by Refined Metals to determine the cause of the violation. Such an investigation shall be completed within ninety (90) days after the date the violation is confirmed. Refined Metals shall provide a corrective action plan to the department for approval within ninety (90) days of the confirmation of the violation. The plan shall specify the actions required to continuously meet the NAAQS. Refined Metals shall implement the plan upon approval by the department. The department may require a cessation in production, if needed, to assure continuous attainment of the NAAQS.

(2) Chrysler Corporation Foundry, Indianapolis	Cupola stack	0.550
	Cupola fugitive	1.894
(3) Delco Remy Division of General Motors Corporation, Muncie	Lead oxide mfg. stack (each of 5)	0.068
	Oxide grinder stack (each of 2)	0.123
	*Central tunnel system stack (each of 4)	0.254
	Reverberatory furnace stack	0.225
	O.S.I. drying oven stack (each of 4)	0.0015
	Electric melting pot stack	0.159

*On or before June 1, 1987, Delco Remy shall install ductwork to vent emissions from the vacuum cleaning lines through the control devices and stacks serving the Central Tunnel System.

(4) Indiana Oxide Corporation, Brazil	Barton #1 reactor	0.215
	Barton #2 reactor	0.215
	Barton #3 reactor	0.215
	Barton #4 reactor	0.215
	Rake furnace	0.006
	Kiln #2	0.002
	*Franklin reactor	0.603

*Shall not operate more than 670 hours per quarter.

(5) U.S.S. Lead Refinery, East Chicago	*Blast furnace stack	0.002
	*Blast furnace fugitive	
	Charging	2.922
	Lead tapping	0.002
	Slag tapping	0.005
	*Refining kettles fugitive	0.0001
	*Casting fugitive	0.393
	*Reverberatory furnace fugitive	0.345

*Shall not operate more than 334 hours per quarter.

(6) Hammond Lead Products, Inc., HLP-Lead Plant	Stack 4A-S-8	0.053
	Stack 14-S-16	0.053
	Stack 1-S-2	0.053
	Stack 1-S-26	0.053
	Stack 16-S-56	0.200
	Stack 1-S-52	0.070
	Stack 1-S-27	0.020
	Stack 4-S-35	0.090
	Stack 6-S-33	0.070
	Stack 4B-S-34	0.080
	Stack 6-S-47	0.021
	Stack V-1	0.090
	Stack V-11	0.006

(A) The ventilator control system (Stack V-1) shall consist of a fan with a constant flow rate that draws air from the building through a HEPA filter which vents to the atmosphere through a stack. The HEPA filters shall be maintained and operated in order to achieve maximum control efficiency. In addition to the requirements contained in subsection (c), Hammond Lead Products, Inc. shall submit an operation and maintenance plan by July 31, 1990, which incorporates good housekeeping practices for the ventilator control systems. This operation and maintenance plan shall be incorporated into the operating permits for Hammond Lead Products, Inc. and submitted to U.S. EPA as a revision to Indiana's lead state implementation plan by December 31, 1990. The ventilator control systems shall be designed such that process fugitive emissions will not routinely escape the buildings except as vented through the ventilator control systems. The compliance test method specified in section 4(a) of this rule shall be used to determine compliance with the emission limitations for the ventilator control system stacks.

(B) By December 31, 1989, the stack heights for all process

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es except Stack 16-S-56, Stack 1-S-52, and the ventilator control systems shall be no less than sixty (60) feet above grade; the stack heights for Stack 16-S-56 and Stack 1-S-52 shall be no less than eighty-two (82) feet above grade; and the stack height for Vent 11 shall be no less than thirty-five (35) feet above grade. By July 31, 1990, the stack heights for the other ventilator control systems shall be no less than sixty (60) feet above grade.

(C) Hammond Lead Products, Inc. shall install HEPA filters according to the following schedule:

Stack 4A-S-8	March 31, 1992
Stack 14-S-16	June 30, 1992
Stack 1-S-2	December 31, 1991
Stack 1-S-26	September 30, 1992
*Stack 16-S-56:	
130 bag filter	November 20, 1989
100 bag filter	December 6, 1989
80 bag filter	June 1, 1989
72 bag filter	December 31, 1991
Stack 1-S-52	December 31, 1989
Stack 1-S-27	August 15, 1987
Stack 4-S-35	October 16, 1989
Stack 6-S-33	July 22, 1988
Stack 4B-S-34	October 5, 1989
Stack 6-S-47	May 26, 1988

*Four (4) bag filters are vented through common Stack 16-S-56.

(D) Hammond Lead Products, Inc. shall provide written notification to the commissioner within three (3) days after the installation of HEPA filters is completed at each of the sites listed in clause (A).

(E) All emissions limitations in this subdivision shall be met by December 31, 1992.

(F) This subdivision shall be submitted to the U.S. EPA as a revision to the Indiana state implementation plan.

(7) Hammond	Stack S-1	1.000
Lead	Stacks S-4, S-5	
Products, Inc.	(each)	0.100
Halstab	Stacks S-6, S-7,	
Division	S-8 (each)	0.120
	Stacks S-9, S-10,	
	S-11 (each)	0.120
	Stacks S-12, S-13	
	(each)	0.120
	Stacks S-14, S-16	
	(each)	0.120
	Stack S-15	0.120
	Stack S-17	0.100

¹Shall not operate more than 166,5000 hours per quarter.

²Shall not operate more than 625 hours per quarter per stack.

³Shall not operate more than 250 hours per quarter per stack.

⁴Shall not operate more than 1,000 hours per quarter per stack.

⁵Shall not operate more than 1,500 hours per quarter.

(8) Quemetco,	Stack 100	1.000
Inc.,	Stack 101	0.015
Indianapolis	Stack 102	0.015
	Stack 103	0.015
	Stack 104	0.015
	Stack 105	0.015
	Stack 106	0.015
	Stack 107	0.015
	Stack 108	0.015
	Stack 109	0.008
	Stack 110	0.008

(A) Fugitive emissions from reverberatory furnace, electric arc furnace, casting, and refinery kettles shall be controlled as follows:

(i) The interior of the building must operate at a lower pressure than its surroundings so that air flows into the building at all openings.

(ii) The company shall install and operate a monitoring system or device which will measure either pressure differential or flow to ensure that the building operates under negative pressure. The methodology and equipment must be approved by the Indiana department of environmental management, the U.S. EPA, and the Indianapolis air pollution control division.

(B) The fugitive emissions shall be drawn from the enclosure to control devices by negative air pressure from use of constant flow rate fans. Fugitive emissions will not routinely escape the building except as vented through control devices and then to the atmosphere through the main process stack that is at least one hundred sixty-five (165) feet above ground level or through HEPA filters venting the building roof. Visible emissions from all building openings and HEPA filter exhausts shall not exceed an average of three percent (3%) opacity as determined in accordance with 40 CFR 60, Appendix A, Method 9**. Quemetco, Inc. shall operate a continuous opacity monitor in the main process stack (Stack 100). Continuous opacity monitor data shall be used to determine compliance. The opacity limit for the main process stack shall be ten percent (10%). The continuous opacity monitor shall be operated in accordance with the procedures specified in 326 IAC 3-1.1.

(C) Quemetco, Inc. shall achieve compliance with clauses (A) and (B) according to the following schedule:

(i) Complete on-site construction, including the installation of continuous opacity monitor on main process stack by January 1, 1994.

(ii) Perform stack test on main process stack and demonstrate compliance with this subdivision by March 1, 1994.

(D) Quemetco, Inc. shall submit a written statement providing evidence to the commissioner within thirty (30) days of each applicable date specified in clause (C) that the requirements of this subdivision have been met.

(b) In addition to the sources listed in subsection (a), the following sources shall comply with subsection (c) and section 3 of this rule:

Proposed Rules

- (1) Exide Corporation, Logansport.
- (2) C & D Batteries, Attica.
- (3) Exide Corporation, Frankfort.

(c) Operation and maintenance programs shall be designed to prevent deterioration of control equipment performance. For sources listed in subsection (a)(1) through (a)(7), these programs shall be submitted to the department of environmental management, office of air management, on or before June 1, 1987. For sources listed in subsections (a)(8) through (b), these programs shall be submitted to the office of air management on or before February 1, 1988. These programs will be incorporated into the individual source operation permits.

****Copies of the Code of Federal Regulations (CFR) referenced in 326 IAC 15-1 may be obtained from the Government Printing Office, Washington, D.C. 20402 or from the Indiana Department of Environmental Management, Office of Air Management, Indiana Government Center-North, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana 46206-6015. (Air Pollution Control Board; 326 IAC 15-1-2; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2564; errata filed Jul 6, 1988, 1:00 p.m.: 11 IR 3921; filed Jun 14, 1989, 5:00 p.m.: 12 IR 1850; filed Aug 8, 1991, 10:00 a.m.: 14 IR 2203; filed Dec 17, 1992, 5:00 p.m.: 16 IR 1379; errata filed Mar 10, 1993, 5:00 p.m.: 16 IR 1832)**

Notice of Public Hearing

Under IC 4-22-2-24, IC 13-7-7-1, and IC 13-7-7.1, notice is hereby given that on February 24, 1994 at 1:00 p.m., at the Indiana Government Center-South, 402 West Washington Street, Conference Center, Indianapolis, Indiana the Air Pollution Control Board will hold a public hearing on proposed amendments concerning Refined Metals, a lead smelting facility in Marion County.

The purpose of this hearing is to receive comments from the public prior to the final adoption of this rule by the Board. All interested persons are invited and will be given reasonable opportunity to express their views concerning the proposed amendments. Oral statements will be heard, but for the accuracy of the record, all important statements should be submitted in writing at the meeting.

Copies of these rules are now on file at the Indiana Department of Environmental Management, Indiana Government Center-North, 100 North Senate Avenue, 10th Floor and Legislative Services Agency, 106 State House, Indianapolis, Indiana and are open for public inspection.

Timothy J. Method
Assistant Commissioner
Office of Air Management

TITLE 405 OFFICE OF THE SECRETARY OF FAMILY AND SOCIAL SERVICES

Proposed Rule
LSA Document #93-200

DIGEST

Adds 405 IAC 1-4.4 to limit reimbursement for staffing to seven hours for special skilled or intermediate services for chronically medically dependent recipients in a nursing facility. Effective 30 days after filing with the secretary of state.

405 IAC 1-4.4

SECTION 1. 405 IAC 1-4.4 IS ADDED TO READ AS FOLLOWS:

Rule 4.4. Additional Rate-Setting Criteria for Nursing Facilities Serving Chronically Medically Dependent Residents

405 IAC 1-4.4-1 Definitions

Authority: IC 12-8-6-5; IC 12-15-1-10; IC 12-15-21-2
Affected: IC 12-13-7-3; IC 12-15; IC 16-10-1

Sec. 1. (a) As used in this rule, "chronically medically dependent" means a medical condition of a person who is infected by the human immunodeficiency virus (HIV) and has been certified by a physician as, because of the HIV infection, requiring a skilled or intermediate level of care.

(b) As used in this rule, "special skilled or intermediate service" means medical and health care services that are provided to a patient who is:

- (1) chronically medically dependent; and
- (2) in need of a level of care that is less intensive than the care provided in a hospital licensed under IC 16-10-1.

(c) As used in this rule, "like levels of care" means:

- (1) skilled care provided in a nursing facility;
- (2) intermediate care provided in a nursing facility;
- (3) care provided for the ventilator-dependent;
- (4) care provided for brain and high spinal cord trauma; and
- (5) special skilled services provided to persons who are chronically medically dependent because of HIV.

(Office of the Secretary of Family and Social Services; 405 IAC 1-4.4-1)

405 IAC 1-4.4-2 General information

Authority: IC 12-8-6-5; IC 12-15-1-10; IC 12-15-21-2
Affected: IC 12-13-7-3; IC 12-15; IC 16-10-4

Sec. 2. (a) Care for a chronically medically dependent person may be reimbursed under this section and under

TITLE 326 AIR POLLUTION CONTROL BOARD

CONTINUATION OF SECOND NOTICE

#93-3

DEVELOPMENT OF RULES CHANGES AFFECTING REFINED METALS

NOTICE OF FIRST MEETING/HEARING

Under IC 4-22-2, IC 13-7-7-4, and IC 13-7-7.1, notice is hereby given that the Air Pollution Control Board will hold a public hearing at its regularly scheduled meeting on February 24, 1994, at 1:00 p.m. in the Indiana Government Center-South, Conference Center, 402 West Washington Street, Indianapolis, Indiana 46204.

In the event the Air Pollution Control Board is not able to conduct or complete a public hearing on February 24, 1994, on proposed amendments to 326 IAC 15-1-2, the public hearing will be held on March 10, 1994.

The purpose of this hearing is to receive comments from the public prior to final adoption of this rule by the board. All interested persons are invited and will be given reasonable opportunity to express their views concerning the proposed amendments. Oral statements will be heard, but for the accuracy of the record, all important statements should be presented in writing to the Board at the hearing or sent to the attention of Mr. Timothy J. Method, Assistant Commissioner, Office of Air Management, Department of Environmental Management, P.O. Box 6015, Indianapolis, Indiana 46206-6015. Mailed comments should be clearly identified with the following heading: "Title 326 Air Pollution Control Board, Comments on Refined Metals, Inc. rules."

All mailed comments for the March 10, 1994, Board meeting must be postmarked by March 10, 1994.

(3) Notice of the first meeting/hearing of the Air Pollution Control Board at which testimony on the proposed rules will be taken and the Board will consider a proposed rule.

This notice also requests the submission of comments, including suggestions for specific language for a proposed rule. All comments and suggested amendment language should reference the proposed rule. Additional changes to existing rules may be necessary.

CITATIONS AFFECTED: 326 IAC 8-7.

PUBLIC COMMENTS

At this time, IDEM solicits the following:

(1) The submission of alternative ways to achieve the purpose described above.

(2) The submission of comments on the proposed rulemaking, including suggestions for specific language for the proposed rule.

Mailed comments should be sent to the attention of: Timothy J. Method, Assistant Commissioner, Office of Air Management, P.O. Box 6015, Indianapolis, Indiana 46206-6015. Hand delivered comments will be accepted by the IDEM employee on duty at the tenth floor reception desk, Office of Air Management, Indiana Government Center-North, 100 North Senate Avenue, Indianapolis, Indiana 46204. To assure proper routing, all comments should be clearly identified with the following heading: "Title 326 Air Pollution Control Board #93-4 Comments on Development of New Rules for Non-CTG VOC RACT Sources."

Comments must be postmarked or hand delivered by March 2, 1994.

Additional information regarding this action can be obtained from Larry Fedor, Chief, Rule Development Section, Office of Air Management at (317) 232-8223.

SUMMARY/RESPONSE TO COMMENTS FROM THE FIRST COMMENT PERIOD

No responses were received by IDEM regarding the first notice for Development of Rules Changes Affecting Volatile Organic Compounds (93-4).

PROPOSED RULE

SECTION 1. 326 IAC 8-7 IS ADDED TO READ AS FOLLOWS:

Rule 7. Other Sources that Emit Volatile Organic Compounds

326 IAC 8-7-1 Definitions

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1

Sec. 1. As used in this rule, "potential emissions" means emissions calculated using maximum design capacity, operating at eight thousand seven hundred sixty (8,760) hours per year before add-on controls. (*Air Pollution Control Board; 326 IAC 8-7-1*)

326 IAC 8-7-2 Applicability of rule

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1

Sec. 2. (a) This rule shall apply to any existing or new source that:

- (1) emits volatile organic compounds (VOC);
- (2) is located in Clark, Floyd, Lake, or Porter County; and
- (3) is not subject to other rules, excluding 326 IAC 8-6.

(b) A source is subject to the emission limits in section 3 of this rule that:

TITLE 326 AIR POLLUTION CONTROL BOARD

SECOND NOTICE OF COMMENT PERIOD

#93-4

DEVELOPMENT OF NEW RULES CONCERNING SOURCES OF VOLATILE ORGANIC COMPOUNDS FOR WHICH CONTROL TECHNOLOGY GUIDELINES HAVE NOT BEEN ISSUED BY THE U.S. EPA

PURPOSE OF NOTICE

The Indiana Department of Environmental Management (IDEM) is soliciting public comments on the development of rules for volatile organic compound (VOC) reasonably available control technology (RACT) sources for which no federal control technology guideline (CTG) has been issued. The Clean Air Act Amendments of 1990 mandate that IDEM develop rules to address this specific group of sources in ozone nonattainment areas which have been designated as moderate or above. This required rulemaking and subsequent state implementation plan (SIP) revision will affect a limited number of sources in Lake, Porter, Clark, and Floyd Counties.

This notice complies with IC 13-7-7.1-4 and contains:

- (1) A summary of the responses of IDEM to written comments submitted during the first public comment period.
- (2) The full text of the draft rule.

Final Rules

TITLE 326 AIR POLLUTION CONTROL BOARD

LSA Document #93-201(F)

DIGEST

Amends 326 IAC 15-1-2 to establish requirements to maintain the materials storage building and the blast/dust furnace area under constant negative pressure and to continuously monitor negative pressure. Additionally, specific criteria are set for the control of both fugitive and stack emissions. Effective 30 days after filing with the secretary of state.

326 IAC 15-1-2

SECTION 1. 326 IAC 15-1-2 IS AMENDED TO READ AS FOLLOWS:

326 IAC 15-1-2 Source-specific provisions

Authority: IC 13-1-1-4

Affected: IC 13-1-1; IC 13-7-7

Sec. 2. (a) The sources listed below shall comply with the following emission and operating provisions:

Source	Facility Description	Emission Limitation
		lbs./hr.
(1) Refined Metals of Indianapolis	M-1 baghouse stack ¹	0.91
	M-2 baghouse stack ¹	0.15
	M-3 baghouse stack ¹	0.15
	M-4 baghouse stack ¹	0.30

¹Compliance shall be achieved on or before April 30, 1992.

(A) On or before June 1, 1987, Refined Metals of Indianapolis shall install and operate hooding systems for the blast furnace skip hoist and charging area, the blast furnace slag and lead tapping area, the casting area, the refining kettles, and the lead dust furnace charging area.

(B) The hooding systems required for the operations listed in clause (A) shall vent the emissions through a control device to one (1) of the four (4) stacks, M-1 through M-4.

(C) On or before June 1, 1987, Refined Metals of Indianapolis shall also install and operate enclosed screw conveyors to transport lead flue dusts to the lead dust furnace. There shall be no visible emissions from the screw conveyors. Compliance shall be determined by 40 CFR 60, Appendix A, Method 22**.

(D) On or before April 1, 1992, Refined Metals of Indianapolis shall totally enclose the building buildings housing the blast furnace, and the dust furnace. Total enclosure and materials storage shall be demonstrated as follows:

(i) Access doors and windows in the total enclosure shall be closed during routine operations.

(ii) The interior of the total enclosure must operate at a lower pressure than its surroundings so that air flows into the enclosure at all natural draft openings.

(iii) The average air velocity through the natural draft openings shall be at least five hundred (500) feet per minute.

(iv) Sources of emissions shall be located at least four (4) times the opening area divided by the perimeter from each natural draft opening.

(v) The total area of all natural draft openings shall be less than five percent (5%) of the surface area of the total enclosure's four (4) walls, floor, and ceiling.

kept under continuous negative pressure by constant flow rate fans ducted to control devices.

(E) The company shall install and operate a continuous monitoring system to measure and record pressure differential to ensure that the materials storage building and the blast/dust furnace area are maintained under negative pressure while the plant is in operation. The monitoring system shall be located on the north wall of the materials storage building. It shall consist of a differential pressure sensor/transmitter, a processor, and a recording device. This system shall produce valid data ninety-five percent (95%) of the time when the plant is operating. Data generated by this monitoring system shall be kept available for inspection at the site for a period of two (2) years.

(F) The blast furnace and the dust furnace fugitive emissions shall be drawn from the enclosure by a constant flow rate fan to a control device. The control device shall vent to the atmosphere through the M-4 baghouse stack which shall be at least eighty (80) feet in height from ground level.

(G) Visible emissions from the M-1, M-2, M-3, and M-4 baghouse stacks and from building openings shall not exceed a six (6) minute average of three percent (3%) five percent (5%) opacity for each stack and opening as determined in accordance with 40 CFR Part 60, Appendix A, Method 9**.

(H) Visible emissions from building openings such as doors and windows shall not exceed a three (3) minute average of three percent (3%) opacity. Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9**, except that the opacity standard shall be determined as an average of twelve (12) consecutive observations recorded at fifteen (15) second intervals.

(I) Refined Metals of Indianapolis shall install and operate continuous opacity monitors (COM) monitoring systems in the M-1 and the M-4 baghouse stacks (COM) or in the ductwork leading to those stacks. COMS data shall be used to determine compliance with the three percent (3%) five percent (5%) opacity limits. The COMS shall be operated in accordance with the procedures specified in 326 IAC 3-1-1, limit required by clause (G). The COMS shall meet the performance and installation requirements of 40 CFR 60, Appendix B, Performance Specification 1**. The company shall also comply with the following:

(i) A complete written standard operating procedure

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(SOP) for COMS shall be submitted to the department for approval. The department shall complete the review of the COMS SOP within sixty (60) days of submittal. The COMS SOP shall contain, at minimum, complete step-by-step procedures for the following:

- (AA) Calibration procedures.
- (BB) Operation procedures.
- (CC) Preventive maintenance procedures.
- (DD) Quality control and quality assurance (QA) procedures.
- (EE) Record keeping and reporting procedures.

(ii) The company shall perform quarterly COMS performance audits and notify the department fourteen (14) days in advance of each audit. The company shall submit quarterly COMS QA reports to the department within thirty (30) days following the end of the quarter. Each report shall summarize performance audit results and provide an explanation for periods of time during the quarter when valid data was not collected.

(iii) COMS excess emission reports shall be submitted to the department within thirty (30) days following the end of each calendar quarter. These reports shall contain, at minimum, the following:

- (AA) The operating time of the monitored facilities.
- (BB) The date and time each COMS recorded opacity measurements above the five percent (5%) opacity limit.
- (CC) The date and time each COMS was inoperative or malfunctioning.
- (DD) A description of the nature and cause of any excess emissions.

(H) (J) Refined Metals of Indianapolis shall achieve compliance with clauses (D) through (G) (I) by April 30, 1992; March 1, 1994. In the event that the plant is idle on March 1, 1994, compliance with clauses (D) through (I) shall be achieved by the date the plant resumes production. Refined Metals shall notify the department thirty (30) days before production resumes to enable the department to make a compliance determination.

(H) (K) Refined Metals of Indianapolis shall perform a stack test on the M-1, M-2, M-3, and M-4 baghouse stacks and demonstrate compliance with this subdivision by June 30, 1992. All subsequent stack tests shall be conducted utilizing the methodologies of 40 CFR 60, Appendix A, Methods 1, 2, 3, 4, 5, and 12**.

(L) Any violation of the National Ambient Air Quality Standards (NAAQS) shall result in an investigation by Refined Metals to determine the cause of the violation. Such an investigation shall be completed within ninety (90) days after the date the violation is confirmed. Refined Metals shall provide a corrective action plan to

the department for approval within ninety (90) days of the confirmation of the violation. The plan shall specify the actions required to continuously meet the NAAQS. Refined Metals shall implement the plan upon approval by the department. The department may require a cessation in production, if needed, to assure continuous attainment of the NAAQS.

(2) Chrysler Corporation Foundry, Indianapolis	Cupola stack	0.550
	Cupola fugitive	1.894
(3) Delco Remy Division of General Motors Corporation, Muncie	Lead oxide mfg. stack (each of 5)	0.068
	Oxide grinder stack (each of 2)	0.123
	*Central tunnel system stack (each of 4)	0.254
	Reverberatory furnace stack	0.225
	O.S.I. drying oven stack (each of 4)	0.0015
	Electric melting pot stack	0.159
*On or before June 1, 1987, Delco Remy shall install ductwork to vent emissions from the vacuum cleaning lines through the control devices and stacks serving the Central Tunnel System.		
(4) Indiana Oxide and Chemical Corporation, Brazil	Barton #1 reactor	0.215
	Barton #2 reactor	0.215
	Barton #3 reactor	0.215
	Barton #4 reactor	0.215
	Rake furnace	0.006
	Kiln #2	0.002
	*Franklin reactor	0.603
*Shall not operate more than 670 hours per quarter.		
(5) U.S.S. Lead Refinery, East Chicago	*Blast furnace stack	0.002
	*Blast furnace fugitive	
	Charging	2.922
	Lead tapping	0.002
	Slag tapping	0.005
	*Refining kettles fugitive	0.0001
	*Casting fugitive	0.393
	*Reverberatory furnace fugitive	0.345
*Shall not operate more than 334 hours per quarter.		
(6) Hammond Lead Products, Inc., HLP-Lead Plant	Stack 4A-S-8	0.053
	Stack 14-S-16	0.053
	Stack 1-S-2	0.053
	Stack 1-S-26	0.053
	Stack 16-S-56	0.200
	Stack 1-S-52	0.070
	Stack 1-S-27	0.020
	Stack 4-S-35	0.090
	Stack 6-S-33	0.070
	Stack 4B-S-34	0.080
	Stack 6-S-47	0.021
	Stack V-1	0.090
	Stack V-11	0.006

(A) The ventilator control system (Stack V-1) shall consist of a fan with a constant flow rate that draws air from the

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building through a HEPA filter which vents to the atmosphere through a stack. The HEPA filters shall be maintained and operated in order to achieve maximum control efficiency. In addition to the requirements contained in subsection (c), Hammond Lead Products, Inc. shall submit an operation and maintenance plan by July 31, 1990, which incorporates good housekeeping practices for the ventilator control systems. This operation and maintenance plan shall be incorporated into the operating permits for Hammond Lead Products, Inc. and submitted to U.S. EPA as a revision to Indiana's lead state implementation plan by December 31, 1990. The ventilator control systems shall be designed such that process fugitive emissions will not routinely escape the buildings except as vented through the ventilator control systems. The compliance test method specified in section 4(a) of this rule shall be used to determine compliance with the emission limitations for the ventilator control system stacks.

(B) By December 31, 1989, the stack heights for all processes except Stack 16-S-56, Stack 1-S-52, and the ventilator control systems shall be no less than sixty (60) feet above grade; the stack heights for Stack 16-S-56 and Stack 1-S-52 shall be no less than eighty-two (82) feet above grade; and the stack height for Vent 11 shall be no less than thirty-five (35) feet above grade. By July 31, 1990, the stack heights for the other ventilator control systems shall be no less than sixty (60) feet above grade.

(C) Hammond Lead Products, Inc. shall install HEPA filters according to the following schedule:

Stack 4A-S-8	March 31, 1992
Stack 14-S-16	June 30, 1992
Stack 1-S-2	December 31, 1991
Stack 1-S-26	September 30, 1992
*Stack 16-S-56:	
130 bag filter	November 20, 1989
100 bag filter	December 6, 1989
80 bag filter	June 1, 1989
72 bag filter	December 31, 1991
Stack 1-S-52	December 31, 1989
Stack 1-S-27	August 15, 1987
Stack 4-S-35	October 16, 1989
Stack 6-S-33	July 22, 1988
Stack 4B-S-34	October 5, 1989
Stack 6-S-47	May 26, 1988

*Four (4) bag filters are vented through common Stack 16-S-56.

(D) Hammond Lead Products, Inc. shall provide written notification to the commissioner within three (3) days after the installation of HEPA filters is completed at each of the sites listed in clause (A).

(E) All emissions limitations in this subdivision shall be met by December 31, 1992.

(F) This subdivision shall be submitted to the U.S. EPA as a revision to the Indiana state implementation plan.

(7) Hammond Lead Products, Inc.	¹ Stack S-1	1.000
Halstab Division	Stacks S-4, S-5 (each)	0.100
	Stacks S-6, S-7, S-8 (each)	0.120
	² Stacks S-9, S-10, S-11 (each)	0.120
	³ Stacks S-12, S-13 (each)	0.120
	⁴ Stacks S-14, S-16 (each)	0.120
	⁵ Stack S-15	0.120
	Stack S-17	0.100

¹Shall not operate more than 166,5000 hours per quarter

²Shall not operate more than 625 hours per quarter per stack

³Shall not operate more than 250 hours per quarter per stack

⁴Shall not operate more than 1,000 hours per quarter per stack

⁵Shall not operate more than 1,500 hours per quarter

(8) RSR	Main smelter stack	0.805
Quemetco, Inc., Indianapolis	Refinery kettle baghouse stack	0.003
	Kettle sanitary baghouse stack	0.004
	Fugitives	
	Reverberatory furnace	0.177
	Refinery kettles	0.0004
	Casting	0.004
	Electric arc furnace	0.046
	Stack 100	1.000
	Stack 101	0.015
	Stack 101	0.015
	Stack 102	0.015
	Stack 103	0.015
	Stack 104	0.015
	Stack 105	0.015
	Stack 106	0.015
	Stack 107	0.015
	Stack 108	0.015
	Stack 110	0.015

(A) Fugitive emissions from charging of the reverberatory furnace, electric arc furnace, casting operations, and refinery kettles shall be controlled with an enclosed conveyor system designed to achieve a capture efficiency of at least ninety-nine percent (99%), as follows:

(i) When the plant is operating, the interior of the building must operate at a lower pressure than its surroundings so that air flows into the building at all openings.

(ii) The company shall install and operate a monitoring system which will measure pressure differential to ensure that the building is maintained under negative pressure while the plant is in operation. This monitoring system shall be located on the east wall of the building or at such permanent location as shall be approved in writing at a prior time by both the U.S. EPA and IDEM. It shall consist of a differential

pressure sensor, a processor, and a continuous recording device. This system shall produce valid data ninety-five percent (95%) of the time when the plant is operating. Data generated by this monitoring system shall be kept available for inspection at the site for a period of two (2) years.

(B) Fugitive emissions from the refinery kettles shall be controlled by a system designed to achieve a capture efficiency of at least ninety-nine percent (99%), within the building vented to the atmosphere through HEPA filters which serve several different work areas or through process control devices and then to the atmosphere through the main process stack that is at least one hundred sixty-five (165) feet above ground level. Visible emissions from all building openings such as doors and windows shall not exceed a three (3) minute average of three percent (3%) opacity. Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9**, except that the opacity standard shall be determined as an average of twelve (12) consecutive observations recorded at fifteen (15) second intervals. Visible emissions from the HEPA filter exhausts shall not exceed an average of three percent (3%) opacity as determined in accordance with 40 CFR 60, Appendix A, Method 9**.

(C) Fugitive emissions from easting shall be controlled by a system designed to achieve a capture efficiency of at least ninety percent (90%). The opacity limit for the main process stack (Stack 100) shall be ten percent (10%) as determined in accordance with 40 CFR 60, Appendix A, Method 9**. Quemetco, Inc. shall operate a continuous opacity monitoring system for the main process stack. Continuous opacity monitoring system data shall be used to determine compliance. The continuous opacity monitoring system shall meet the performance, installation, and operational requirements of 40 CFR 60, Appendix B, Performance Specification 1**. A continuous opacity monitoring system quality assurance plan which shall include a requirement for quarterly performance audits shall be submitted to the department for approval.

(D) Fugitive emissions from the electric arc furnace shall be controlled by a system designed to achieve a capture efficiency of at least ninety-five percent (95%). Continuous opacity excess emissions reports shall be submitted to IDEM within thirty (30) days following the end of each calendar quarter. These reports shall contain, at minimum:

- (i) The operating time of the monitored facilities.
- (ii) The date and time the continuous opacity monitoring system recorded opacity measurements above the ten percent (10%) limit.
- (iii) The date and time that the continuous opacity monitoring system was inoperative or malfunctioning.
- (iv) A description of the nature and cause of any

excess emissions.

(E) Quemetco, Inc. shall demonstrate compliance with the lead emissions limitation for the main process stack (Stack 100) utilizing the methodologies of 40 CFR 60, Appendix A, Methods 1, 2, 3, 4, 5, and 12**.

(F) Quemetco, Inc. shall achieve compliance with clauses (A) through (E) according to the following schedule:

- (i) Complete installation of the continuous opacity monitoring system on main process stack (Stack 100) by January 1, 1994.
- (ii) Perform a stack test on main process stack (Stack 100) and demonstrate compliance with this subdivision by April 1, 1994.
- (iii) Complete installation of the negative pressure monitoring system by June 1, 1994.
- (iv) Submit a continuous opacity monitoring system quality assurance plan to the department for approval by June 1, 1994.

(G) Quemetco, Inc. shall submit a written statement providing evidence to the commissioner within thirty (30) days of each applicable date specified in clause (F) that the requirements of this subdivision have been met.

(b) In addition to the sources listed in subsection (a), the following sources shall comply with subsection (c) and section 3 of this rule:

- (1) Exide Corporation, Logansport.
- (2) C & D Batteries, Attica.
- (3) Exide Corporation, Frankfort.

(c) Operation and maintenance programs shall be designed to prevent deterioration of control equipment performance. For sources listed in subsection (a)(1) through (a)(7), these programs shall be submitted to the department of environmental management, office of air management, on or before June 1, 1987. For sources listed in subsections (a)(8) through (b), these programs shall be submitted to the office of air management on or before February 1, 1988. These programs will be incorporated into the individual source operation permits.

**Copies of the Code of Federal Regulations (CFR) referenced in 326 IAC 15-1 may be obtained from the Government Printing Office, Washington, D.C. 20402 or from the Indiana Department of Environmental Management, Office of Air Management, Indiana Government Center-North, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana 46206-6015. (*Air Pollution Control Board; 326 IAC 15-1-2; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2564; errata filed Jul 6, 1988, 1:00 p.m.: 11 IR 3921; filed Jun 14, 1989, 5:00 p.m.: 12 IR 1850; filed Aug 8, 1991, 10:00 a.m.: 14 IR 2203; filed Dec 17, 1992, 5:00 p.m.: 16 IR 1379; errata filed Mar 10, 1993, 5:00 p.m.: 16 IR 1832; filed Mar 28, 1994, 5:00 p.m.: 17 IR 1878*)

LSA Document #93-201(F)

Proposed Rule Published: January 1, 1994; 17 IR 857

Final Rules

Hearing Held: March 10, 1994

Approved by Attorney General: March 23, 1994

Approved by Governor: March 25, 1994

Filed with Secretary of State: March 28, 1994, 5:00 p.m.

Incorporated Documents Filed with Secretary of State: 40 CFR 60, Appendix A, Method 1 - Sample and Velocity Traverses for Stationary Sources; 40 CFR 60, Appendix A, Method 2 - Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pitot Tube); 40 CFR 60, Appendix A, Method 3 - Gas Analysis for the Determination of Dry Molecular Weight; 40 CFR 60, Appendix A, Method 4 - Determination of Moisture Content in Stack Gases; 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Emissions from Stationary Sources; 40 CFR 60, Appendix A, Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources; 40 CFR 60, Appendix A, Method 12 - Determination of Inorganic Lead Emissions from Stationary Sources; 40 CFR 60, Appendix A, Method 22 - Visual Determination of Fugitive Emissions from Material Sources and Smoke Emissions from Flares; 40 CFR 60, Appendix B, Performance Specification 1 - Specifications and Test Procedures for Opacity Continuous Emissions Monitoring Systems in Stationary Sources.

TITLE 410 INDIANA STATE DEPARTMENT OF HEALTH

LSA Document #93-123(F)

DIGEST

Adds 410 IAC 1-2.2 to establish a procedure for notification of persons at risk. Adds provisions to establish a confidential registry of persons submitting written requests for the department to notify persons at risk. Effective 30 days after filing with the secretary of state.

410 IAC 1-2.2

SECTION 1. 410 IAC 1-2.2 IS ADDED TO READ AS FOLLOWS:

Rule 2.2. Notification of Person at Risk

410 IAC 1-2.2-1 "Carrier" defined

Authority: IC 16-41-7-4

Affected: IC 16-41-7

Sec. 1. As used in this rule, "carrier" means a person infected with human immunodeficiency virus (HIV) or acquired immune deficiency syndrome (AIDS) or tested positive for Hepatitis B surface antigen. (*Indiana State Department of Health; 410 IAC 1-2.2-1; filed Mar 21, 1994, 5:00 p.m.: 17 IR 1882*)

410 IAC 1-2.2-2 "Department" defined

Authority: IC 16-41-7-4

Affected: IC 16-41-7

Sec. 2. As used in this rule, "department" means the Indiana state department of health. (*Indiana State Department of Health; 410 IAC 1-2.2-2; filed Mar 21, 1994, 5:00 p.m.: 17 IR 1882*)

410 IAC 1-2.2-3 "High risk activity" defined

Authority: IC 16-41-7-4

Affected: IC 16-41-7

Sec. 3. As used in this rule, "high risk activity" means sexual or needle sharing contact that has been demonstrated epidemiologically to transmit a dangerous communicable disease, such as human immunodeficiency virus (HIV), acquired immune deficiency syndrome (AIDS), or Hepatitis B. (*Indiana State Department of Health; 410 IAC 1-2.2-3; filed Mar 21, 1994, 5:00 p.m.: 17 IR 1882*)

410 IAC 1-2.2-4 "Person at risk" defined

Authority: IC 16-41-7-4

Affected: IC 16-41-7

Sec. 4. As used in this rule, "person at risk" means an individual who, in the best judgment of a physician, has engaged in high risk activity or is in imminent danger of engaging in high risk activity. (*Indiana State Department of Health; 410 IAC 1-2.2-4; filed Mar 21, 1994, 5:00 p.m.: 17 IR 1882*)

410 IAC 1-2.2-5 Reports to local health officer

Authority: IC 16-41-7-4

Affected: IC 16-41-7

Sec. 5. (a) If a health officer is notified in writing by a physician of a patient for whom the physician has medical verification that the patient is a carrier, and who, in the best judgment of the physician, is a serious and present danger to the health of others, the health officer shall make an investigation of the carrier to determine whether the environmental conditions surrounding the carrier or the conduct of the carrier requires the intervention by the health officer or designated health official to prevent the spread of disease to others. This investigation shall include the following:

(1) A determination of the environmental conditions or specific conduct of the carrier that pose a risk of spreading the disease.

(2) A determination of the epidemiological significance of the risk of spreading disease caused by the environmental conditions or the conduct of the carrier.

(b) If it is determined, following the investigation, that the condition or conduct warrants further intervention, this

Enclosure 4

1

AIR POLLUTION CONTROL BOARD
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Indiana Government Center South
Conference Center Auditorium
402 West Washington Street
Indianapolis, Indiana
March 10, 1994 1:00 p.m.

Excerpts from above meeting on
Hearing on Refined Metals

326 IAC 15-1-2 Lead Rules- Marion County

Typewritten transcript of part
of the proceeding held in the above
matter taken on March 10, 1994, at
the above stated address, in
Indianapolis, Indiana, before Notary
Public Valerie L. Struble.

ACCURATE REPORTING OF INDIANA
Wm. F. Daniels, Prop., RPR/CM
12922 Brighton Avenue
Carmel, Indiana 46032
(317) 848-0088

1 (Excerpts from the Air Pollution
2 Control Board Meeting held on March 10,
3 1994.)

4 CHAIRMAN RARIDEN: Thank
5 you, Joyce. Next item is rulemaking
6 actions. There will be two hearings prior
7 to consideration of rules for final
8 adoption, 326 IAC 15-1-2, Lead Rules -
9 Marion County, and Title V operating
10 permits.

11 The rules as proposed were
12 included in the Board packets and are
13 available for public inspection at the
14 Office of Air Management, 10th Floor
15 Monday through Friday, excluding official
16 holidays, between the hours of 8:45 a.m.
17 and 4:45 p.m.

18 These rules will be
19 considered for final adoption by the Air
20 Pollution Control Board at the Board's
21 meeting immediately following each
22 hearing.

23 Appearance cards are

1 available for all those who want to be
2 shown as appearing on the record in this
3 matter. If you have not already filled
4 out a card and wish to speak, please do
5 so. Be sure to indicate whether you are
6 appearing for yourself or on behalf of a
7 group or organization and identify such
8 group or organization. Also note the
9 capacity in which you appear, such as
10 attorney, officer, or authorized
11 spokesperson. When appearance cards have
12 been completed, they should be handed to
13 me and I will include them in the official
14 record of this hearing. Oral statements
15 will be heard but written statements may
16 also be submitted for the record. Please
17 hand any written statements to me if you
18 wish them included in the record. If a
19 prior speaker has given your comment,
20 please just endorse that statement rather
21 than repeating the statement.

22 A written transcript of the
23 hearing will be made. The transcript and

1 any written submissions will be open for
2 public inspection at the Office of Air
3 Management, 10th Floor, Monday through
4 Friday, between the hours of 8:45 a.m. and
5 4:45 p.m. and a copy of the transcript
6 will be made available to any person upon
7 the payment of the copying costs.

8 Notice of the time and
9 place of these hearings was given as
10 provided by law by publication in the
11 January and February, 1994, editions of
12 the Indiana Register.

13 Will the official reporter
14 designated for these hearings please
15 stand, raise her right hand and state her
16 name.

17 (Reporter Sworn.)

18 CHAIRMAN RARIDEN: The
19 purpose of these hearings is to give all
20 interested persons an opportunity to
21 comment on the amendments. Comments
22 should be directed to the substance of the
23 proposed regulatory additions. Each

1 individual desiring to make a statement
2 will be allotted approximately five
3 minutes to present his or her comments
4 relating to the proposed rules.
5 Commentors may request that their comments
6 be heard in sequence with those of other
7 commentors. I might add that please use
8 the microphone down here so that we can
9 record your comments and testimony.

10 Hearing on Amendments to
11 326 IAC 15-1-2 -- This is a public hearing
12 before the Air Pollution Control Board of
13 the State of Indiana concerning proposed
14 amendments to the rules of the Board
15 relating to the final adoption of Lead
16 Rules for Refined Metals of Marion
17 County. The proposed amendments are to
18 Article 15, Title 326 of the Indiana
19 Administrative Code.

20 The first notice of comment
21 period was published in the Indiana
22 Register on June 1, 1993. Emergency
23 rulemaking on this rule was adopted by the

1 Board at its September meeting. The first
2 hearing and preliminary adoption of this
3 rule occurred at the October 6, 1993 Board
4 meeting. Responses to comments received
5 during the first comment period, notice of
6 the second comment period and the draft
7 rules were published in the Indiana
8 Register on November 1, 1993. The
9 emergency rulemaking was extended at the
10 Board's January meeting.

11 Commentors will be given
12 approximately five minutes to provide
13 testimony. If a commentor is requesting
14 that the Board consider revised rule
15 language, copies of the revised language
16 should be available to the Board and to
17 all others present at the hearing. If a
18 commentor has previously spoken and would
19 like to address the revised language, he
20 or she will be given two to three minutes
21 to comment on the revised language.

22 I will now introduce
23 Exhibit A, the rules as preliminarily

1 adopted by the Board into the record of
2 the hearing.

3 (Exhibit A entered into the
4 record.)

5 CHAIRMAN RARIDEN: Are
6 there any questions from the Board?
7 Anyone in the audience wishing to comment
8 on the rules? Thank you. I have no
9 cards. Is there anyone else that would
10 like to testify?

11 This hearing on proposed
12 additions to 326 IAC 15-1-2 is now
13 concluded.

14 Would counsel to the Board
15 please explain the concept of "logical
16 outgrowth" as it applies to this final
17 adoption hearing and the statutory
18 requirements which must be considered by
19 the Board in rulemaking.

20 MS. MARTIN: Thank you, Mr.
21 Chairman. I'm not going to discuss
22 logical outgrowth in terms of this rule,
23 we'll discuss that in the Title V Rule if

1 there are some comments made. Logical
2 outgrowth is relating to comments being
3 made at final adoption hearing.

4 I will however mention to
5 the Board that there are some statutory
6 factors that need to be considered
7 whenever you're adopting a rule, and these
8 are in IC 13-7-7-2 which requires the
9 Board in adopting rules in establishing
10 standards to take into account all
11 existing physical conditions and the
12 character of the area affected, past,
13 present and probable future uses of the
14 area; including the character of the
15 surrounding areas, zoning classifications,
16 the nature of the existing air quality or
17 existing water quality as the case may be,
18 technical feasibility including quality
19 conditions that could reasonably be
20 achieved through coordinated control of
21 all factors affecting the quality and
22 economic reasonableness of measuring or
23 reducing any particular type of

1 pollution.

2 The Board should shall also
3 take into account the right of all persons
4 to an environment sufficiently
5 uncontaminated as not to be injurious to
6 human, plant, animal or aquatic life or to
7 a reasonable enjoyment of life and
8 property. Are there any questions?

9 CHAIRMAN RARIDEN: Any
10 discussion from the Board or any questions
11 the Board would like to ask to be answered
12 by staff?

13 I entertain a motion to
14 adopt the rule as presented.

15 MR. ANDERSON: So moved.

16 MR. BACONE: Second.

17 CHAIRMAN RARIDEN: Mr.
18 Anderson moves, Mr. Bacone seconds. I
19 will now call the Board. Mr. Bacone?

20 MR. BACONE: Aye.

21 CHAIRMAN RARIDEN: Mr.
22 Bacone votes "aye". Mr. Anderson?

23 MR. ANDERSON: Aye.

1 CHAIRMAN RARIDEN: Mr.
2 Anderson votes "aye". Ms. Ebert?
3 MS. EBERT: Aye.
4 CHAIRMAN RARIDEN: Ms.
5 Ebert votes "aye". Mr. Cundiff?
6 MR. CUNDIFF: Aye.
7 CHAIRMAN RARIDEN: Mr.
8 Cundiff votes "aye". Mr. Schreiber?
9 MR. SCHREIBER: Aye.
10 CHAIRMAN RARIDEN: Mr.
11 Schreiber votes "aye". Mr. Stilwell?
12 MR. STILWELL: Aye.
13 CHAIRMAN RARIDEN: Mr.
14 Stilwell votes "aye". Dr. Miner?
15 DR. MINER: Aye.
16 CHAIRMAN RARIDEN: Dr.
17 Miner votes "aye". Motion is passed
18 unanimously. We'll now start the hearing
19 on the final adoption of rules for Title V
20 operating permits.
21
22
23

1 CHAIRMAN RARIDEN: Call the
2 meeting back from recess. We have an item
3 on Refined Metals which we need to
4 clarify.

5 MS. MARTIN: I need to
6 reopen the hearing on Refined Metals and
7 mention three changes and they're all very
8 minor that are made to that rule.

9 The first one is at 326 IAC
10 15-1-2 (a) (1) (I) (ii). This is a change
11 made to allow submission performance audit
12 data as part of the quarterly COMS QA
13 report. The way the rule originally was
14 written it would allow people to submit
15 two reports and now they can submit it as
16 part of their regular quarterly report.

17 The next change is one made
18 at EPA's request, and that's at 326 IAC
19 15-1-2 A-1 K, the following is sentence
20 being added, "All subsequent stack tests
21 shall be conducted utilizing the
22 methodologies of 40 CFR 60, Appendix A,
23 Methods 1, 2, 3, 4, 5, and 12." Stack

1 tests are not required in this particular
2 rule, but EPA wanted the inclusion of that
3 sentence in case stack tests were included
4 in the future.

5 Final changes are small
6 editorial style changes suggested by
7 legislative services. So at this point I
8 will close that reopened hearing and
9 request -- see if there is a motion from a
10 Board member to adopt those amendments.

11 MS. EBERT: I make a motion
12 that we adopt those amendments.

13 MR. SCHREIBER: Second.

14 CHAIRMAN RARIDEN: Motion
15 moved by Ms. Ebert and Schreiber seconds.
16 I'll call the Board. Dr. Miner?

17 DR. MINER: Aye.

18 CHAIRMAN RARIDEN: Dr.
19 Miner votes "aye". Mr. Stilwell?

20 MR. STILWELL: Aye.

21 CHAIRMAN RARIDEN: Mr.
22 Stilwell votes "aye". Mr. Schreiber?

23 MR. SCHREIBER: Aye.

1 CHAIRMAN RARIDEN: Mr.
2 Schreiber votes "aye". Ms. Ebert?
3 MS. EBERT: Aye.
4 CHAIRMAN RARIDEN: Ms.
5 Ebert votes "aye" Mr. Anderson?
6 MR. ANDERSON: Aye.
7 CHAIRMAN RARIDEN: Mr.
8 Anderson votes "aye". Mr. Bacone?
9 MR. BACONE: Aye.
10 CHAIRMAN RARIDEN: Mr.
11 Bacone votes "aye". Motion is passed.
12 I need a motion to adopt
13 the rule as amended.
14 MR. SCHREIBER: So moved.
15 CHAIRMAN RARIDEN: Mr.
16 Schreiber moves.
17 DR. MINER: Second.
18 CHAIRMAN RARIDEN: Dr.
19 Miner seconds. And I'll call the Board.
20 Dr. Miner?
21 DR. MINER: Aye.
22 CHAIRMAN RARIDEN: Dr.
23 Miner votes "aye". Mr. Stilwell?

1 MR. STILWELL: Aye.
2 CHAIRMAN RARIDEN: Mr.
3 Stilwell votes "aye". Mr. Schreiber?
4 MR. SCHREIBER: Aye.
5 CHAIRMAN RARIDEN: Mr.
6 Schreiber votes "aye". Ms. Ebert?
7 MS. EBERT: Aye.
8 CHAIRMAN RARIDEN: Ms.
9 Ebert votes "aye". Mr. Anderson?
10 MR. ANDERSON: Aye.
11 CHAIRMAN RARIDEN: Mr.
12 Anderson votes "aye". Mr. Bacone?
13 MR. BACONE: Aye.
14 CHAIRMAN RARIDEN: Mr.
15 Bacone votes "aye". Motion is passed
16 unanimously.
17
18
19
20
21
22
23

1 STATE OF INDIANA)
) SS:
2 COUNTY OF MARION)

3 CERTIFICATE

4 I, VALERIE L. STRUBLE, the
undersigned Court Reporter and Notary
5 Public residing and maintaining offices in
the City of Indianapolis, Hamilton
County, Indiana, do hereby certify:

6
7 That at the time and place described
above in this transcript, I reported to
the best of my ability in machine
8 shorthand all of the words spoken by all
parties in attendance during the course of
9 the subject proceedings, including
objections, if any, made by all counsel
10 present;

11 That I later reduced my shorthand
notes into the foregoing typewritten
12 transcript form, which typewritten
transcript is a true record of the
13 testimony and/or statements given by those
individuals indicated herein;

14
15 That I am not a relative or employee
or attorney or counsel of any of the
16 parties, nor am I a relative or an
employee of such attorney or counsel, and
17 that I am not financially interested in
this action.

18 IN WITNESS HERETO, I have affixed my
Notarial Seal and subscribed my signature
19 below this 11th day of March, 1994.

20  /s/

21
22 Notary Public (Seal)
County of Residence: Hamilton
23 My Commission Expires on: October 23,
1995.

Enclosure 5

REFINED METALS CORPORATION

OPERATION / MAINTENANCE
FUGITIVE DUST PROGRAM

REFINED METALS CORPORATION

OPERATION AND MAINTENANCE PROGRAM AND FUGITIVE DUST PROGRAM

Operation and Maintenance Program and Fugitive Dust Program. The program is designed to prevent deterioration of control equipment performance and to minimize emissions of lead from fugitive emission points. The program identifies potentially significant lead emission points and describes operation practices and controls designed to reduce lead emissions from those sources. The program also sets forth a fabric filter maintenance guide and an inspection schedule for the fabric filter system. Examples of the equipment daily checklist for baghouses and the blast furnace log sheet are also enclosed herein.

It is anticipated that this program will be subject to periodic review and, when necessary, modifications to the program will be made by Refined Metals Corporation. Any modification to the program which renders the program less stringent shall be approved by IDEM and USEPA. Refined Metals Corporation recognizes that an effective Operation and Maintenance Program and Fugitive Dust Program is important to ensure that its operations do not create emissions which may adversely impact the public health or the environment.

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MAINTENANCE INSPECTION SCHEDULE	6
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SWEEPER MAP AND CHECKSHEET	9-10
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POTENTIALLY SIGNIFICANT EMISSION POINTS

Raw Material Handling and Transfer -	Non-Process
Battery Decasing -	Process
Blast Furnace Smelting -	Process
Charging	
Slag Tapping	
Lead Tapping	
Kettle Alloying/Softening/Refining -	Process
Loading	
Drossing, Lead Removal	
Casting -	Process
Flue Dust Handling and Transfer -	Process
Vehicular Traffic -	Non-Process
Hooding, Ductwork, Control Devices -	Process
Dust Furnace -	Process
Charging	
Slag Tapping	
Material Storage Storage Piles - (See Material Storage Map)	Non Process

Operation Practices

Raw Material Handling and Transfer	Wetting down materials (flue dust and self-generated drosses) via fire hose
Battery Decasing	Wetting down (traffic area) via fire hose
Blast Furnace Smelting	Visual inspection of opacity of stack (daily)
Charging:	Wetting down traffic area via fire hose (daily)
Slag Tapping:	Cooling of pots (minimum 40 minutes) as needed (daily) Visual inspection to avoid excess spilling (daily)
Lead:	Doors kept closed (daily)
Kettle Alloying/ Softening/Refining	Visual inspection of opacity of stack (daily)
Charging:	None Required
Drossing Lead Removal	Visual inspection to avoid excess spilling (daily)
Casting:	Visual inspection of the opacity of stack (daily) Visual inspection to avoid overfilling (daily)
Flue Dust Handling and Transfer	Visual inspection of fugitive emissions (daily) Wetting down via fire hose (daily)
Vehicular Traffic	Paved roads washed down via fire hose (daily)
Hooding, Ductwork, Control Devices	Visual inspections (daily)
Dust Furnace	
Charging:	Visual inspection of conveying system (daily)
Slag Tapping:	Cooling of pots (minimum 40 minutes) as needed (daily) Visual inspection to avoid excess spilling (daily)

Operation Controls

Raw Material Handling and Transfer	Enclosed building with concrete floor
Blast Furnace Smelting	
Baghouse:	Maintain proper temperature (210°F) and pressure level (not to exceed 10" in each cell)
Ventilated Hoods:	Visual Inspection (daily)
Kettle Alloying/Softening/ Casting/Refining	
Baghouse (M3):	Maintain ambient temperature Maintain proper pressure level (not to exceed 10" in each cell)
Ventilated Hopper:	Visual Inspection (daily) (not to exceed 10" in each cell)
Flue Dust Handling and Transfer	Dust conveyed through covered auger to enclosed bin
Vehicular Traffic	All storage, vehicular traffic and production areas paved
Blast Furnace/Sanitary	
Baghouse (M2):	Maintain proper pressure level (not to exceed 10" in each cell)
Ventilated Hoods:	Maintain ambient temperature Visual Inspection (daily)

FABRIC FILTER OPERATION AND MAINTENANCE GUIDE

Symptom	Cause	Remedy
Dirty discharge at stack	Bags leaking	Replace bags Tie off bags and replace at a later date Isolate leaking compartment if allowable without upsetting system
	Bag clamps not sealing	Check and tighten clamps Smooth out cloth under clamp and reclamp
	Failure of seals in joints at clean/dirty air connection	Caulk and tighten clamps Smooth out cloth under clamp and reclamp
	Insufficient filter cake	Allow more dust to build up on bags by cleaning less frequently Use a precoating of dust on bags
High baghouse pressure drop	Bag cleaning mechanism not adjusted properly	Increase cleaning frequency Clean for longer duration Clean for more vigorously (must check with manufacturer before implementing)
	Shaking not vigorous	Increase shaker speed
	Isolation damper valves not closing	Check linkage Check seals Check air supply of pneumatic operators
	Isolation damper valves not opening	Check linkage Check air supply of pneumatic operators
	Bag tension too loose	Tighten bags

Symptom	Cause	Remedy
	Cleaning time failure	Check to see if timer is indexing to all contacts Check output on all terminals
	Not capable of removing dust from bags	Replace bags
	Incorrect pressure reading	Clean out pressure taps Check hoses for leaks Check diaphragm in gauge
High bag failure: wearing out	Shaking too violent	Slow down shaking mechanism (consult manufacturer)
High bag failure: burning	Failure of cooling device	Review design and work with manufacturer

REFINED METALS MAINTENANCE INSPECTION SCHEDULE

FABRIC FILTRATION SYSTEM

INSPECTION FREQUENCY	COMPONENT	PROCEDURE
4 HOURS	STACK	CHECK EXHAUST FOR VISIBLE OPACITY
DAILY	MANOMETERS	CHECK AND RECORD PRESSURE READINGS
DAILY	COMPRESSED AIR SYSTEM	CHECK LINE PRESSURE CHECK VALVES
DAILY	COLLECTOR	CHECK ALL INDICATORS CHECK SEQUENCER
DAILY	DAMPER VALVES	CHECK ALL DAMPERS FOR PROPER OPERATION
DAILY	AUGERS	CHECK FOR JAMMING, LEAKAGE, BROKEN PARTS, WEAR, ETC.
DAILY	DUST REMOVAL SYSTEM	ENSURE DUST IS BEING REMOVED FROM SYSTEM
WEEKLY	FILTER BAGS	CHECK FOR WEAR, HOLES, PROPER TENSION, CAKE
DAILY	CLEANING SYSTEM	CHECK SEQUENCE AND CYCLE TIMES
DAILY	SHAKERS	INSPECT FOR PROPER OPERATION

MANOMETER READINGS

DATE ----- TIME ----- OPERATOR -----

M-1 BAGHOUSE INLET		DROP.....
OUTLET		
M-2 BAGHOUSE INLET		DROP.....
OUTLET		
M-3 BAGHOUSE INLET		DROP.....
OUTLET		
M-4 BAGHOUSE INLET		DROP.....
OUTLET		

VISUAL INSPECTION OF POTENTIAL EMISSION POINTS

DATE:		9 A.M.	10 A.M.	5 P.M.	9 P.M.	1 A.M.	5 A.M.
M-1 STACK	VISUAL						
	OPACITY METER						
M-2 STACK							
M-3 STACK							
M-4 STACK	VISUAL						
	OPACITY METER						
HOOD ABOVE SKIP HOIST							
TAPPING BLOCK							
DUST FURNACE							

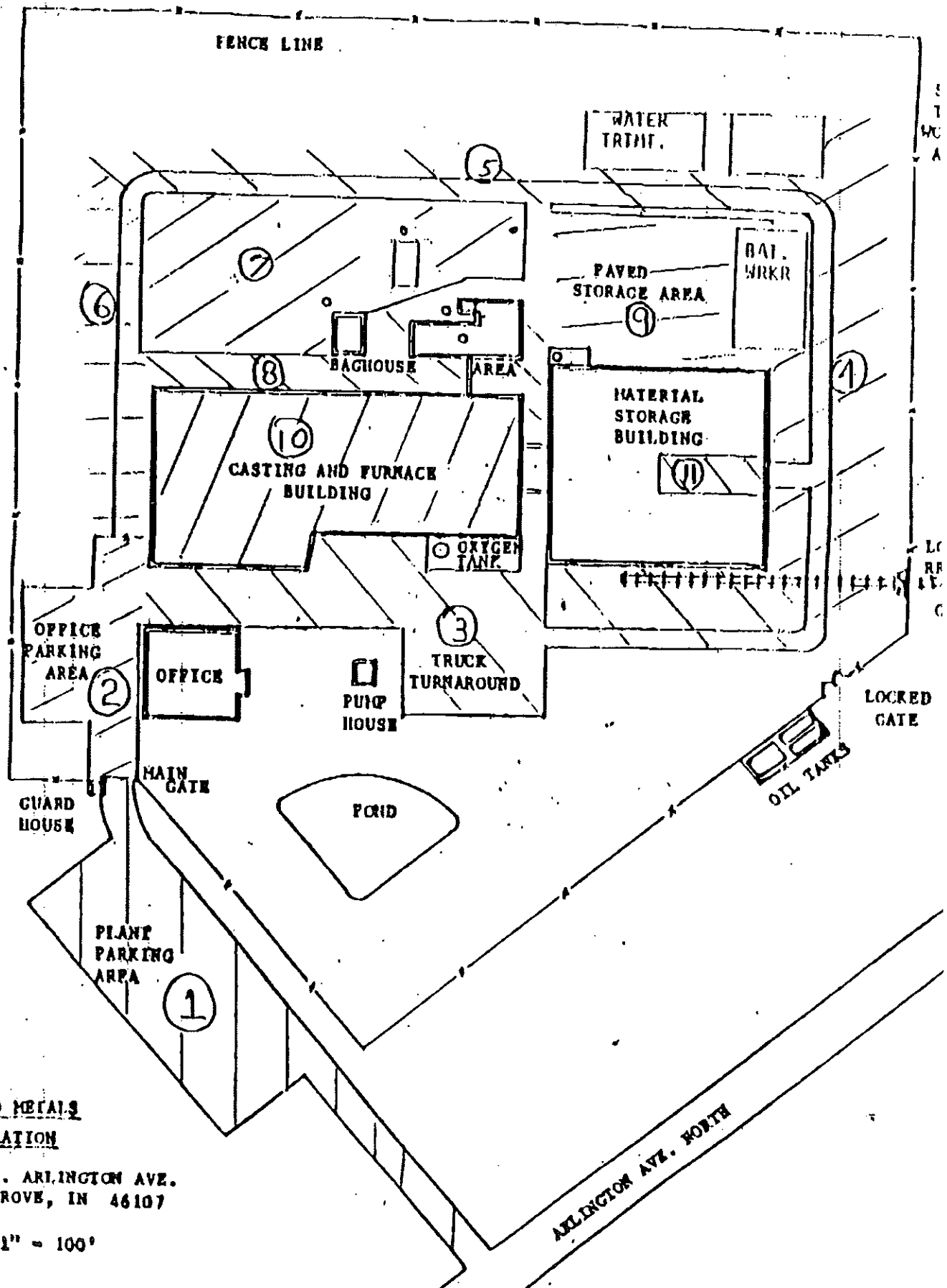
SUPERVISORS:

1st

2nd

3rd

COMMENTS:

SWEEPER DAILY ACTIVITIES MAP
AREAS 1-11

**REFINED METALS
CORPORATION**

3700 S. ARLINGTON AVE.
BEECH GROVE, IN 46107

SCALE 1" = 100'

DAILY SWEEPER CHECKSHEET

OPERATOR _____ DATE _____

AREAS SWEEPED Y/N (IF NO STATE REASON)

AREA 1 _____

AREA 2 _____

AREA 3 _____

AREA 4 _____

AREA 5 _____

AREA 6 _____

AREA 7 _____

AREA 8 _____

AREA 9 _____

AREA 10 _____

AREA 11 _____

COMMENTS _____

REFINED METALS CORPORATION

SPILL CONTROL PROCEDURES

DESCRIPTION:

The purpose of Spill Control is to quickly clean-up any spills of bagdust, kettle drosses, incoming factory scrap wet or dry. To assure that no harm is done to the environment. Procedures cover spills occurring during rain, snow or dry weather.

RESPONSIBILITY:

The line supervisor is to coordinate manpower of existing people to assure a quick and efficient spill clean-up control.

CONTROL MATERIALS:

1. Sand; lime; limestone; soda ash; sawdust; oil booms; and oil and acid pads.
2. Endloaders; shovels; drums; and skid hopper.

DISPOSAL:

All cleaned-up materials will be taken to material bin for processing to the blast furnace.

PROCEDURE:

1. If material is wet (non-acid) cover with sand and/or sawdust to dry. Shovel or scoop-up and put into drum or hopper. Move to material bin for processing.
2. If material is wet (acid), cover with soda ash or lime to dry. Shovel-up and put into drum or hopper. Move to material bin for processing.
3. If material is dry, dampen spilled material to hold down dust. Shovel or scoop-up and place in hopper or drum and transfer to material bins for processing.

PROTECTIVE EQUIPMENT:

1. Full-face respirator with proper filter, GMH-C (MSA).
2. Rubber gloves, PVC 14".
3. Boots or safety shoes.
4. Hard hat.
5. Supplied coveralls.

OUTSIDE HELP,

If spill should leave our property or we would lose control, IMMEDIATELY call 782-4942, Beech Grove Fire Department, Mr. James Bright, Deputy Chief. They are our outside hazardous control coordinator. Again, This call must be made as soon as it is determined that a spill has left our property or is out of control.

If injuries should occur, notify St. Francis Occupational Health Center, Mrs. Eleanor Bachman. They will coordinate care for medical emergency with St. Francis Hospital. CALL 782-3009.

Both the Fire Department and Occupational Health Center have our Material Safety Data Sheets on file.

Notification should also be made within one hour to:

Mr. Phillip Powers, Environmental Management Department
Emergency Response - 243-6168.

Mr. Michael Johnson, Deputy Chief, Beech Grove Police
Department - 782-4940.

NOTICE TO DRIVERS

IN AN EFFORT TO REDUCE LEAD EMISSIONS AND TO PROVIDE SAFETY TO EMPLOYEES AND DRIVERS, THE FOLLOWING RULES MUST BE OBSERVED.

1. THERE IS A STRICT 5 M.P.H. SPEED LIMIT IN EFFECT ON ALL COMPANY PROPERTY.
2. THE PARKING AREA OPPOSITE THE SCALES IS NOT TO BE USED AS A TURN AROUND AREA. PLEASE USE THE DRIVE OUTSIDE THE MAIN GATE.
3. AFTER UNLOADING, PLEASE WAIT FOR CLEARANCE INSTRUCTIONS FROM PLANT PERSONNEL. BE SURE THAT ALL EMPLOYEES AND EQUIPMENT HAVE BEEN REMOVED FROM THE BACK OF YOUR TRUCK.
4. ALL PERSONS UNDER 18 YEARS OF AGE MUST STAY IN THE SCALE ROOM. THEY MAY NOT GO BACK WITH THE TRUCK.
5. DRIVERS ARE ONLY ALLOWED IN THE SHIPPING OFFICE AND DOCK AREAS OF THE PLANT. YOU MAY NOT WANDER INTO OTHER AREAS OF THE PLANT.
6. ALL TRUCKS MUST PASS THROUGH THE TRUCK WASH BEFORE LEAVING THE PLANT.

I HAVE READ AND AGREE TO ABIDE BY THE ABOVE RULES

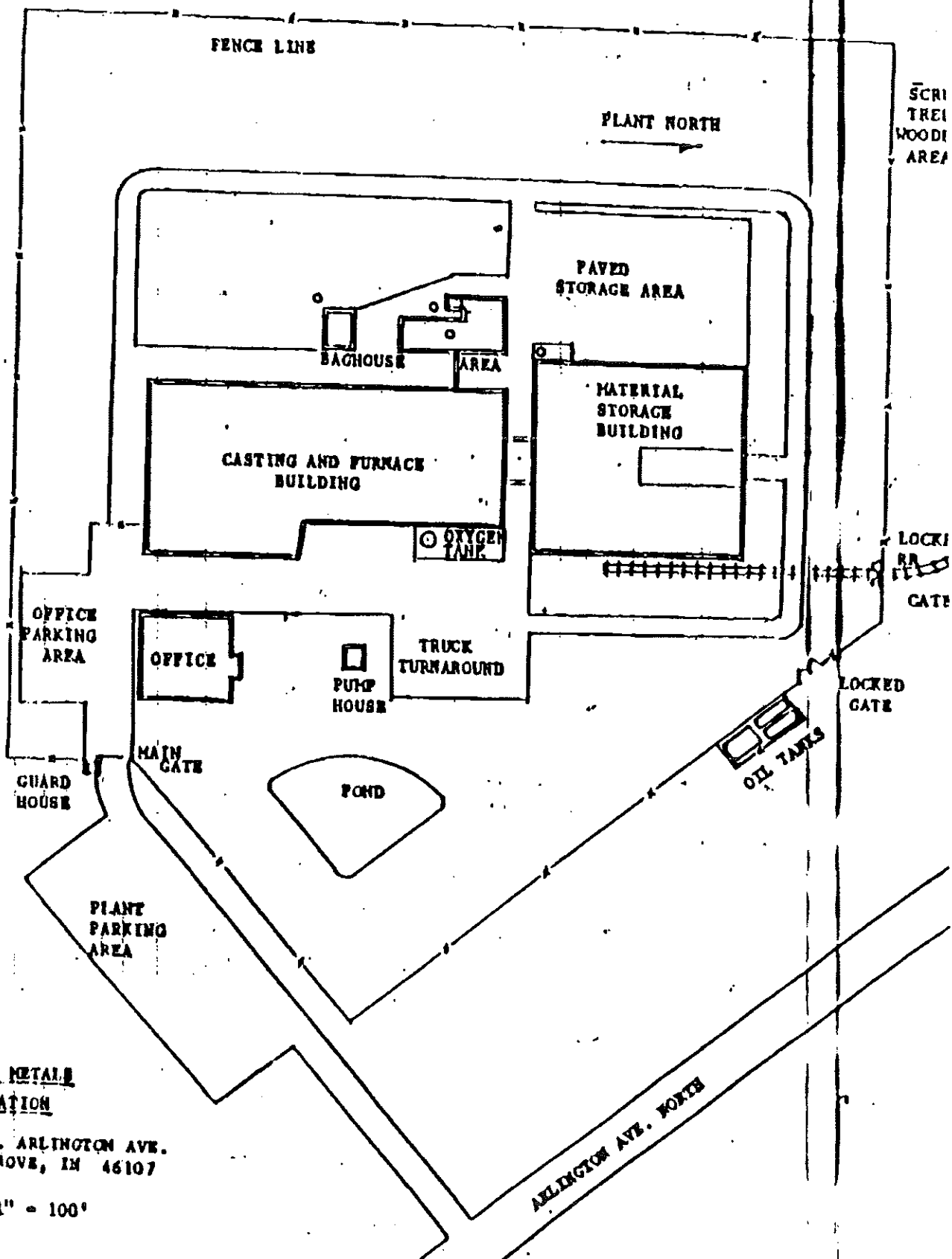
SIGNED _____ DATE _____

ATTACHMENT I (REVISED 03/15/93)

OPERATION AND MAINTENANCE PROGRAM
AND FUGITIVE DUST PROGRAM

1. Specific Scheduling for Visual Inspection of Operations
 - A. Every 4 Hours
 - Blast furnace smelting - M-1, M-2, M-4 stack opacity
 - Kettle Alloying/Refining - M-3 stack opacity
 - Casting - M-3 stack opacity
 - Hooding, Ductwork, Control Devices
 - Dust furnace charging - conveying system operation
 - B. Continuous (no written record necessary)
 - Blast furnace slag tapping - (to avoid excess spillage)
 - Kettle drossing - (to avoid spillage)
 - Casting - (to avoid overfilling molds)
 - Dust furnace slag tapping - (to avoid spillage)
2. Control Equipment
 - A. M-1 Baghouse:
 - Blast furnace process, dust furnace process
 - B. M-2 Baghouse:
 - Blast furnace charging, lead tap, slag tap, dust furnace charging and slag tap, slag cooling
 - C. M-3 Baghouse:
 - Refining kettles and casting operations
 - D. M-4 Baghouse:
 - Blast furnace / Dust furnace building
3. Materials containing > 1% Pb by weight < 200 mesh size
 - A. Flue dust (collected from baghouse operations)
 - B. Dross (collected from refining operations)
4. Personnel Responsible for Inspection / Maintenance
 - A. Process equipment - Equipment Operators and Supervisors
 - B. Baghouses - Baghouse Operators and Supervisor

ATTACHMENT II



REFINED METALS
CORPORATION

3700 S. ARLINGTON AVE.
BEECH GROVE, IN 46107

SCALE 1" = 100'

Enclosure 6



CITY OF INDIANAPOLIS
STEPHEN GOLDSMITH
MAYOR

April 28, 1994

Mr. Timothy J. Method
Assistant Commissioner
Office of Air Management
Indiana Department of Environmental Management
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

Dear Mr. Method:

Pursuant to your request that we received on April 11, 1994, the Indianapolis Air Pollution Control Section (IAPCS) has completed an emissions inventory for the Marion County lead nonattainment area which is bounded by Troy Avenue on the north, Five Points Road on the east, Thompson Road on the south, and Emerson Avenue on the west.

On April 13, 1994, IAPCS conducted a door-to-door inventory of all service and manufacturing industries in the area. Please find attached a comprehensive list of the sources inspected. Only Refined Metals Corporation, 3700 South Arlington Avenue, was identified as a source that emits lead into the ambient air. The inventory does not include gasoline service stations. As a result of Federal regulations concerning lead in gasoline, we believe that the lead emitted would be insignificant.

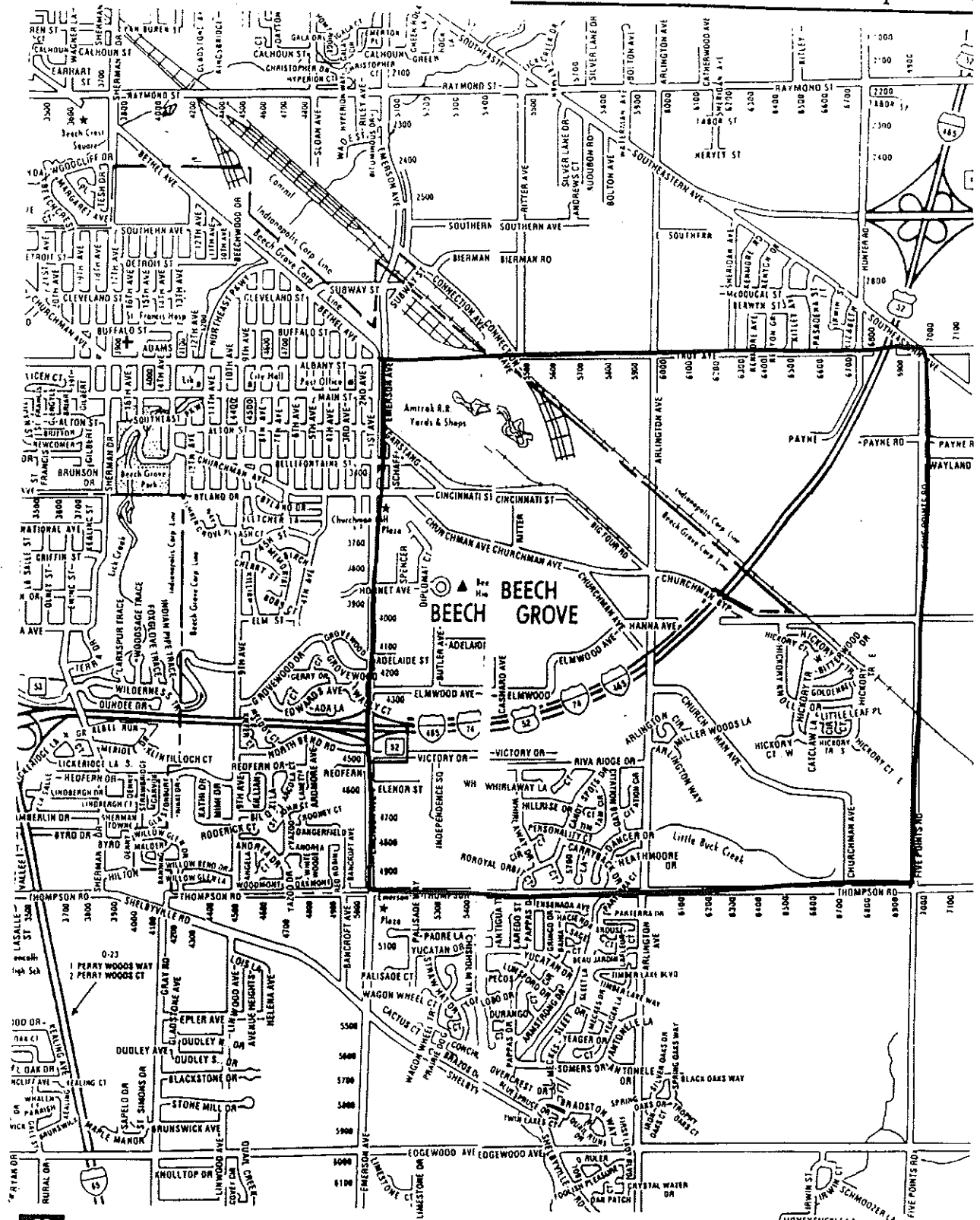
If you need additional information or have any questions concerning the inventory, please contact Cheryl Carlson, Enforcement Manager, at 327-2281.

Sincerely,

Robert Holm, Ph. D.
Administrator

RH:clc

cc: Cheryl Carlson, Enforcement Manager
Richard Martin, Engineering/Planning Manager
Winter Bottum, Local Agency Liaison, OAM, IDEM



LEAD SIP INVENTORY

MARION COUNTY NON-ATTAINMENT AREA

April 13, 1994

COMPANY	ADDRESS	DESCRIPTION OF ACTIVITIES PERFORMED	QUANTITY OF LEAD PROCESSED
L&L Engineering	4925 Subway	Design & fabricate engine parts (gauges, tools, jigs, dies & fixtures)	None
MasterSet	5802 Churchman Ave.	Assembly of parts	None
Beech Grove Wood Sash & Frame	5858 Churchman Ave.	Manufactures doors & frames	None
Home Remodelling	5245 Elmwood Ave.	Builds porches, decks & home additions	None
Bellkins, Inc.	5219 Elmwood Ave.	Sheet metal fabricating	None
F.H. Model & Engineering, Inc.	5235 Elmwood Ave.	Design & fabrication of wood prototypes	None
Christian Management Group	5235 Elmwood Ave.	Packaging & Shipping	None
Investment Management & Research	5235 Elmwood Ave.	Brokerage retail	None
Supreme, Inc.	5715 Churchman Ave., Suite A	Food brokerage	None
Jensen Designs	5715 Churchman Ave., Suite B	Graphic designs - computer	None
Carbide Cutting Tools	5403 Elmwood Ave.	Distributor of cutting tools	None
Garco	5401 Elmwood Ave.	Retail - Lawn Mowers	None
Precision Rubber Plate	5620 Elmwood Ave.	Flexographic Printers	Some lead plates on site (1400 lbs.), but no longer in use, stored on-site
Whitewater Building Products, Inc.	5570 Elmwood Ave.	Distributor of Building Products	None
Landis Painting	5240 Elmwood Ave.	Commercial & Industrial Painting Contractor	None
Reback	5228 Elmwood Ave.	Physical Therapy	None
Lanzer Systems, Inc.	5230 Elmwood Ave.	Color separations	None
Krukemeier Machine & Tool, Inc.	4949 Subway	Tool & Dye Shop	None
Alro Steel	5620 Churchman Ave.	Steel warehouse & distributor	None
Electrical Enterprises	5812 Churchman Ave.	Electrical contractor	None
Mid Indiana Service Co., Inc.	5715 Churchman Ave., Suite D	Petroleum equipment contracting - remediation services	None
Alcon	5715 Churchman Ave., Suite C	Commercial Construction Contractor	None
Maddox Heating & Air Conditioning	5890 Churchman Ave.	HVAC Contractor	None
Airline Fasteners	5220 Elmwood Ave.	Distributor of nails & staples	None
Milgray	5226 Elmwood Ave.	Distributor of electronic components	None
Applied Instruments	5234 Elmwood Ave.	Electronic Manufacturing	None
Cash Register Systems	5621 Elmwood Ave.	Sale & Service of Cash Registers	None
Wire Supplies, Inc.	5620 Elmwood Court	Wire Distributor	None

LEAD SIP INVENTORY

MARION COUNTY NON-ATTAINMENT AREA

April 13, 1994

COMPANY	ADDRESS	DESCRIPTION OF ACTIVITIES PERFORMED	QUANTITY OF LEAD PROCESSED
M&M Auto, Inc.	3024 S. Five Points Rd.	Auto Repair Shop	None
Elmco Engineering	6107 East Churchmen Bypass	Machining	None
Corsi Cabinetry	6111 East Churchmen Bypass	Custom Cabinetry	None
Numerical Productions	3901 S. Arlington Ave.	Machine Shop	None
National City Bank - Indiana	6120 East Churchmen Bypass	Printing, Warehouse & Shipping	None
IMC Corp.	6136 E. Hanna Ave.	Precision Metal Fabrication & Machining	None
Joachim Machinery	4555, 4616 & 4627 S. Independence Square	Machine Shop	None
K&R Tool Rental	5328 Victory Dr.	Tool Rental	None
Accessibility Products	4855 S. Emerson Ave.	Wheel Chairs	None
J.C. Electric & Alarm	4723 S. Emerson Ave.	Electrical contractor & Alarm installers	None
Glenn Earles Body Shop	4002 S. Arlington Ave.	Body Shop	Small quantity of lead-based paint
AMTRAK (National Passenger Railroad)	202 Garstang St.	Railroad car repair	No lead-based paints used
Firestone	3525 S. Arlington Ave.	Manufacture of asphaltic roofing materials	None
Wavelek	5808 East Churchmen Bypass	Assembly of electronic test and measurement equipment	Soldering of computer components (19 lbs. of lead used/wk. insignificant emissions.
Westvaco - U.S. Envelope	6302 East Churchmen Bypass	Manufacture of envelopes	None
Farm Fans	5900 Elmwood Ave.	Fabricate farm fans	None
Poster Display	5650 Elmwood Ave.	Printer	None

Rec 4/26/94

INDIANAPOLIS AIR POLLUTION CONTROL SECTION
PRE-INSPECTION QUESTIONNAIRE
TELEPHONE 317/327-2264

Company Name WAVENZ COMMUNICATIONS DIVISION Date 4/22/94

Mailing Address 5808 Churchman Bypass, Indianapolis, IN 46203

Plant Location Same

Person In Charge of Environmental Affairs Stephen M. Zug

Title Human Resources Manager Phone 317-788-9351

What Does Your Company Manufacture, Produce, Store, Recycle, Etc.

Electronic Test & Measurement Equipment

Describe Your Company's General Process

- Light manufacturing
- Assembly of parts; components stuffed in boards (PCBoards)
- Boards assembled to units & tested.
- Soldering required, board cleaning required, small machine shop.

No. of Employees at This Location ~180

Normal Plant Operating Time 7:00 a.m. to 5:00 p.m.

No. Days/Week 5 No. of Shifts 1

I hereby certify that the information contained in this pre-inspection survey report is completed and accurate to the best of my knowledge.

The filing of such information is mandated by Federal, State and Local Air Pollution Legislation. Violation of this mandate through omission or false information may be subject to penalty.

Submitted by: Stephen M. Zug

Signature by: Stephen M. Zug

Title Human Resources Manager

Phone (317) 788-9351

- I. Fuel Burning Equipment - used for space heating, steam and hot water, or power generation. Please list each unit by boiler type or manufacturer. NONE

Unit Designation	#1	#2	#3
Description	/	/	/
Max Design BTU Rating (or H.P.)	/	/	/
Type of Fuel	/	/	/
Sulfur Content	/	/	/
Annual Fuel Usage for 19	/	/	/

- II. Incineration (if trash is hauled away, please so note)
NONE

Incinerator Manufacturer: N/A

Waste Type (i.e. paper, cardboard, plastics, etc): _____

Does Incinerator have Auxiliary Burners: _____

Approximate Amount Incinerated Per Week: _____

III. Manufacturing and Process Equipment:

- A. Hydrocarbon Sources: List all acids, paints, solvents, thinners and materials containing solvents involved in cleaning, degreasing, maintenance, painting, processes, etc. If none is used, mark "None".

Explicit Chemical Name	Supplier Name/Address	Application (or purposes)	Consumed Per Week
CAT-L-INK	DEXTER; 15051 Don Julian Road, Industry CA, 91749	Silk Screening	<1 pt. /wk
RE-182 Screen Ink Retarder	Mo2-Dav; 108 + N. North Branch St., Chicago, IL 60622	Clean Silk Screen	1/2 gal /wk
Thinner Blend Solvent LS-666	Van, Waters + Rogers; 1425 E. 30th St., INDIAN 46207	Clean Silk Screen Tool	1/2 gal /wk
Krylon Interior/Exterior Paint	Borden; 180 East Broad St. Columbus, OH 43215	Paint Small Components	3 - (12oz) Cans /wk
Krylon Sandable Primer	Borden; " "	Prime Small Components	3 - (12oz) Cans /wk
Solder (all consumed in process)	Kestor; 515 E. TOMMY AVE. Des Plaines, IL 60018	Wave Solder Printed Circuit Board	12 - (143lb) Bar /wk
Solder Flux	Kestor; " "	" " "	1 gal /wk

Isopropyl alcohol

Mays Chemical; 7760 E. 87th St. Indpls, IN 46256

" " "

8 to 10 gal /wk

- B. Fuel Fired Processes (such as bake ovens, annealing furnace, furnace, heated dip tanks, etc.) *NONE*

Description *	Operating Schedule (Hrs/Wk)	Fuel Type & Grade	BTU Rating	Production Rate (lb/Hr or Units/Hr)
<i>NA</i>				

- C. Dust and Particulate Sources: Metal Finishing Operations (as grinding, sandblasting, polishing, etc.) or other Sources of Dust Emissions (as grain handling, woodworking, etc.)

Description *	Operating Schedule (Hrs/Wk)	Production Rate (lb/hr or Units/Hr)
<i>One small desktop sandblaster; for small components (No stack; small vent on roof)</i>	<i>30 to 50 minutes/wk</i>	<i>minimal ~ < 1 lb/wk</i>

* Include stack identification number (Emission Point Identification) for location and plot plan on Section IV.,

IV. LOCATION AND PLOT PLAN

Company Name Univetec Communications Division

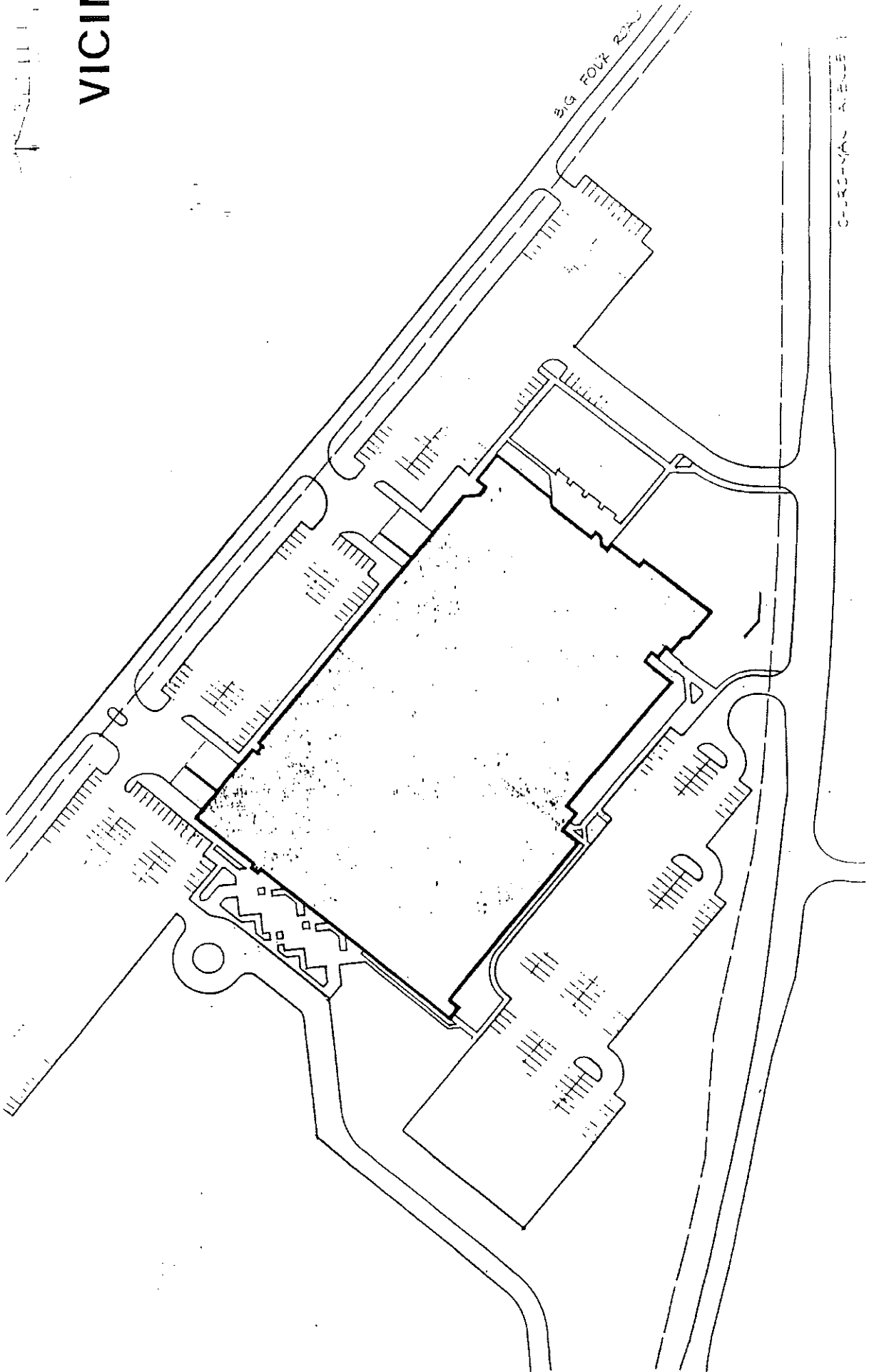
Plant Address 5808 Churubusca Bypass, Indpls, IN ZIP 46203

Identify your business in relation to nearby street, roads or buildings. Show ^{no stacks} stacks and other sources of emissions. Identify stacks by the same number used in the Emission Point Identification per Section III. C., Page 3.

IMPORTANT: Please use a company prepared plot plan, if you have one available. It would be more accurate and useful than a drawing in the area below.

A large grid for a plot plan, consisting of 20 columns and 20 rows. In the upper-left quadrant, there is a hand-drawn circle containing the text "Copy attached".

VICIN



INDIANAPOLIS AIR POLLUTION CONTROL SECTION
PRE-INSPECTION QUESTIONNAIRE
TELEPHONE 317/327-2264

Company Name EXOTIC METAL TREATING INC Date 4-14-94

Mailing Address 6234 E. HANNA AV INDY., IN 46203

Plant Location 6234 E. HANNA AV

Person In Charge of Environmental Affairs KEITH A. SUSKO

Title QUALITY CONTROL MANAGER Phone 784-8565

What Does Your Company Manufacture, Produce, Store, Recycle, Etc.

PROVIDE HEAT TREATING & FURNACE BRAZING SERVICE FOR THE

AEROSPACE INDUSTRY

Describe Your Company's General Process OTHER COMPANIES SENDS US PARTS

TO HEAT TREAT OR FURNACE BRAZE. THEIR PARTS MUST BE CLEANED PRIOR TO SHIPPING

TO EXOTIC FOR PROCESSING - WE HAVE NO CLEANING FACILITIES & DON'T WANT ANY. ALL

PARTS HAVE TO BE KEPT IN A CLEAN ENVIRONMENT, WE HAVE A CLEAN SHOP WITH NO OILS, OR

GREASE. PARTS ARE PROCESSED IN A NATURAL GAS FURNACE OR VACUUM FURNACE, & ELECTRIC, WE

ONLY AIR COOL PARTS NO OIL OR WATER QUENCHING IS PERFORMED BY US. WE DON'T LIKE CHEMICAL
No. of Employees at This Location 9 USAGE IS VERY MINIMAL

Normal Plant Operating Time 16 - 24 HOURS a.m. to _____ p.m.

No. Days/Week 5 No. of Shifts 3

I hereby certify that the information contained in this pre-inspection survey report is completed and accurate to the best of my knowledge.

The filing of such information is mandated by Federal, State and Local Air Pollution Legislation. Violation of this mandate through omission or false information may be subject to penalty.

Submitted by KATHY SUSKO

Signature *Kathy Susko*

Title OFFICE MANAGER

Phone 784-8565

- I. Fuel Burning Equipment - used for space heating, steam and hot water, or power generation. Please list each unit by boiler type or manufacturer.

Unit Designation	#1	#2	#3
Description	NONE		
Max Design BTU Rating (or H.P)			
Type of Fuel			
Sulfur Content			
Annual Fuel Usage for 19			

- II. Incineration (if trash is hauled away, please so note)

Incinerator Manufacturer: HAVE TRASH PICKUP

Waste Type (i.e. paper, cardboard, plastics, etc): PAPER, CARDBOARD, TRASH

Does Incinerator have Auxiliary Burners: N/A

Approximate Amount Incinerated Per Week: N/A

- III. Manufacturing and Process Equipment:

- A. Hydrocarbon Sources: List all acids, paints, solvents, thinners and materials containing solvents involved in cleaning, degreasing, maintenance, painting, processes, etc. If none is used, mark "None".

Explicit Chemical Name	Supplier Name/Address	Application (or purposes)	Consumed Per Week
GASOLINE	SPEEDWAY	FORKLIFT	2 GAL.
ACETONE	SUPERIOR SOLVENTS	CLEANING	5 OUNCES

B. Fuel Fired Processes (such as bake ovens, annealing furnace, furnace, heated dip tanks, etc.)

Description *	Operating Schedule (Hrs/Wk)	Fuel Type & Grade	BTU Rating	Production Rate (lb/Hr or Units/Hr)	
PIT FURNACE #1	* 15	NATURAL GAS	1.1MIL.	BATCH	LOT BY LO
PIT FURNACE #2	* 10	NATURAL GAS	1.1MIL.	BATCH	" "
PIT FURNACE #3	* 4	NATURAL GAS	3.8MIL.	BATCH	" "
PIT FURNACE #4	*	NATURAL GAS	5.0MIL.	BATCH	" "
ELECTRIC FURNACE	* 4	ELECTRIC	--	BATCH	" "
VACUUM FURNACE #1	* 8	ELECTRIC	--	BATCH	" "
VACUUM FURNACE #2	* 4	ELECTRIC	--	BATCH	" "
VACUUM FURNACE #3	* 15	ELECTRIC	--	BATCH	" "

*AS NEEDED BASIS-(0 TO 40 HOURS/WEEK)

C. Dust and Particulate Sources: Metal Finishing Operations (as griding, sandblasting, polishing, etc.) or other Sources of Dust Emissions (as grain handling, woodworking, etc.)

Description *	Operating Schedule (Hrs/Wk)	Production Rate (lb/hr or Units/Hr)
NONE		

* Include stack identification number (Emission Point Identification) for location and plot plan on Section IV.,

IV. LOCATION AND PLOT PLAN

Company Name EXOTIC METAL TREATING INC

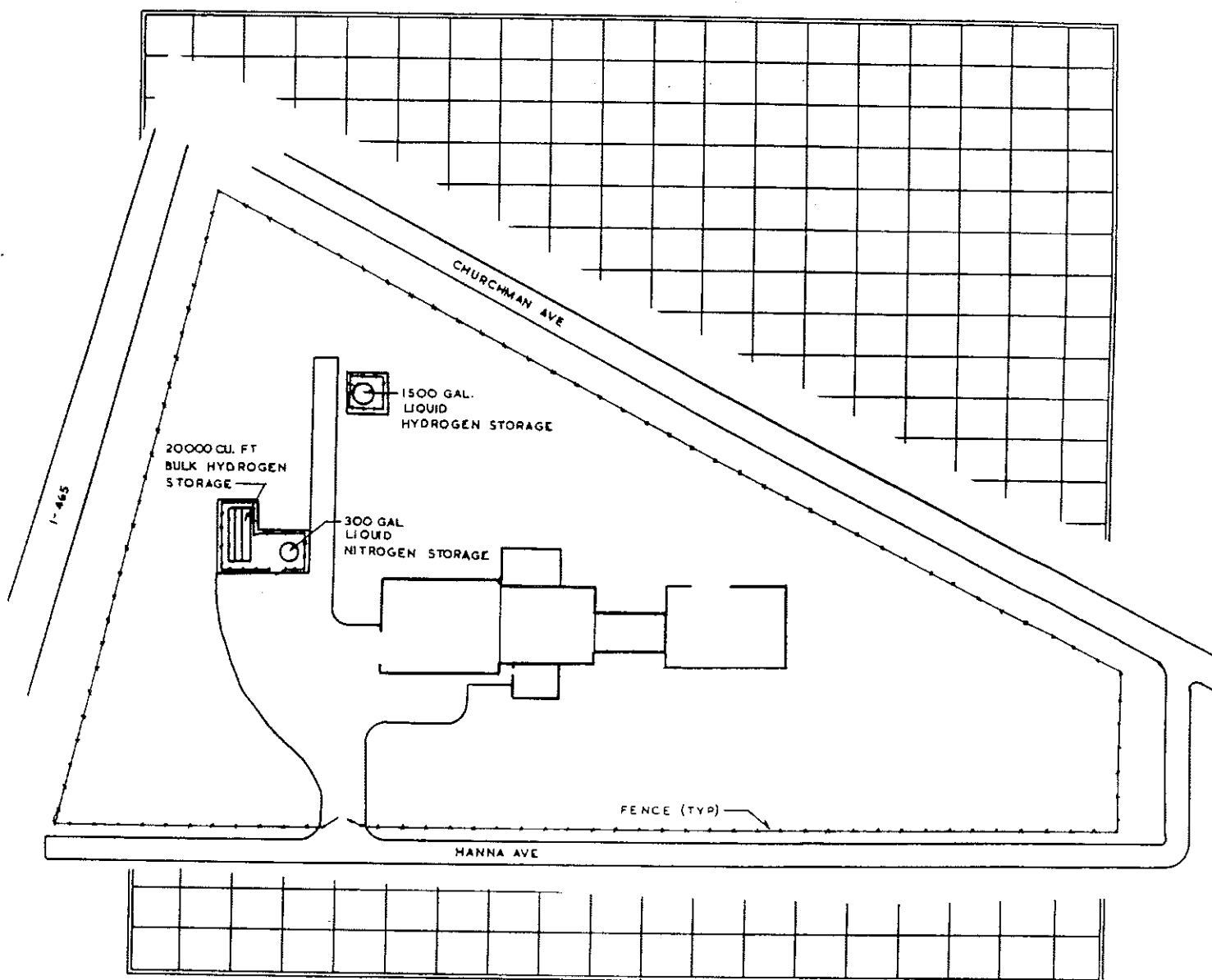
Plant Address 6234 E. HANNA AV

ZIP 46203

Identify your business in relation to nearby street, roads or buildings. Show stacks and other sources of emissions. Identify stacks by the same number used in the Emission Point Identification per Section III. C., Page 3.

NONE

IMPORTANT: Please use a company prepared plot plan, if you have one available. It would be more accurate and useful than a drawing in the area below.



1994 Lead SIP Inventory

Company: Bellkins Inc
Address: 5219 Elmwood
Contact: Nora Bell Larry Jenkins (owner)
Description of Activities Performed: Sheet metal
fabricating shop & Travel agency

Any lead processed (if yes, please quantify): None

Company: J W. Model & Engineering Inc - Christian Management
Address: 5235 Elmwood Group
Contact: Pam Vanderhaar - F&G
Description of Activities Performed: Builds wood - Kimmel Shoe Repair
prototype models - Group Ins. Providers
- The Chappel Company
Any lead processed (if yes, please quantify): None

Date: April 13, 1994

Inspector: Bonnie Stee

1994 Lead SIP Inventory

Company: L & L Engineering
Address: 4925 Subway
Contact: Jerry Peter Turner
Description of Activities Performed: Removal of R. d. s. g.
from 100, 100, 100, 100 & 100. Engine
Parts, filing
Any lead processed (if yes, please quantify): None

Company: Master Set
Address: 5802 Churchman
Contact: Tammy Trent, Brian Berry (Owner)
Description of Activities Performed: Assemble parts,
ponder activated; parts for tools & nails
Any lead processed (if yes, please quantify): None

Date: April 13, 1994

Inspector: Bonnie Hunt

1994 Lead SIP Inventory

Company: Brock Greenwood Sash & Frame

Address: 5858 Churchman

Contact: Plot 4 Gorm

Description of Activities Performed: Manufacture of sash
frames

Any lead processed (if yes, please quantify): None

Company: Home Remodeling

Address: 5245 Elmwood

Contact: Ruth Alltop

Description of Activities Performed: Porches, decks,
room additions,

Any lead processed (if yes, please quantify): None

Date: April 13, 1994

Inspector: Bonnie St.

1994 Lead SIP Inventory

Company: Christian Management Group
Address: 5235 Suite
Contact: Pam Garcia
Description of Activities Performed: Packages & mailing

Any lead processed (if yes, please quantify): none

Company: Investment Management & Research
Address: _____
Contact: Harold Schubert
Description of Activities Performed: Brokerage Retail

Any lead processed (if yes, please quantify): none

Date: Apr 13, 1994

Inspector: Bernard

1994 Lead SIP Inventory

Company: Supremo Inc
Address: 5715 Churchman Ave Suite A
Contact: Angie Forno / Bill Hendricks (owner)
Description of Activities Performed: Food Brokerage
for major food chains

Any lead processed (if yes, please quantify): None

Company: Jensen Design (Business closed for day w. ll need to return)
Address: 5715 Churchman Suite B
Contact: Larry Jensen 4/19/94
Description of Activities Performed: Graphic design
or layout
inner cartridges (request of manufacturers)
Any lead processed (if yes, please quantify): None

Date: April 13/1994 Inspector: Bonnie Shetter

1994 Lead SIP Inventory

Company: Carbide Cutting Tools, Whittier, CA
Address: 5403 Elmwood
Contact: Kim Peeri (Pat McFarrell (owner))
Description of Activities Performed: Distributors of
cutting tools

Any lead processed (if yes, please quantify): None

Company: Garco
Address: 5401 Elmwood
Contact: none contacted
Description of Activities Performed: Retail store
Lawn mowers

Any lead processed (if yes, please quantify):

Date:

April 13, 1994

Inspector:

Brenna H

1994 Lead SIP Inventory

Company: Precision Rubber Plate
Address: 5020 Elmwood
Contact: (Mr. Pandler)
Description of Activities Performed: Flexographic
Printing

Please re-visit.
Receptionist will
not give info.

Any lead processed (if yes, please quantify): Type setting of lead
type characters - no longer in use; has been stored on
site in (4 cabinets) 1200-1400 lbs of lead-type material
Plans to scrap material & equipment w/in 2 weeks.

Company: Whitewater Building Products Inc.
Address: 5570 Elmwood Ct.
Contact: Jim Escue
Description of Activities Performed: Distribution of
building products

Any lead processed (if yes, please quantify): None

Date: April 13, 1994

Inspector: Barrie Helton

1994 Lead SIP Inventory

Company: Landis Printing
Address: 5240 Elmwood Ave
Contact: Patty Sickles (David Landis - President)
Description of Activities Performed: Commercials.
Industrial printing contractors

Any lead processed (if yes, please quantify): none

Company: _____

Address: _____

Contact: _____

Description of Activities Performed: _____

Any lead processed (if yes, please quantify): _____

Date: Apr 13, 1994

Inspector: Bonnie Shetter

1994 Lead SIP Inventory

Company: Buck
Address: 5223 Elmwood Ave.
Contact: Phyllis Quinn
Description of Activities Performed: Physical Therapy

Any lead processed (if yes, please quantify): no

Company: Purple Systems Inc
Address: 5230 Elmwood Ave.
Contact: Cathy Hensley
Description of Activities Performed: Color Separations

Any lead processed (if yes, please quantify): no

Date: 4-13-94

Inspector: C. Shaver

1994 Lead SIP Inventory

Company: Krukenm Machine & Tool Co.

Address: 4949 Sunday

Contact: John Krukenm

Description of Activities Performed: tool & dye shop

Any lead processed (if yes, please quantify): no

Company: Alro Steel

Address: 5620 Chuckman Ave.

Contact: Sammy Herring

Description of Activities Performed: distribution steel,
warehouse

Any lead processed (if yes, please quantify): no

Date: 4-13-94

Inspector: C. E. Houtt

1994 Lead SIP Inventory

Company: Electrical Services

Address: 5812 Channahon

Contact: James Kline

Description of Activities Performed: electrical contracting
in - no processing
done

Any lead processed (if yes, please quantify): no

Company: Mid Indiana Service Co. Inc.

Address: 5715 Channahon Ave, Suite D,

Contact: Sherry Corrado

Description of Activities Performed: ~~petroleum~~ equipment contracting, remediation services -

Any lead processed (if yes, please quantify): no

Date: 4-13-94

Inspector: C. Sharrell

1994 Lead SIP Inventory

Company: Lee
Address: 5715 Chelton Ave. Suite C
Contact: Connie Brown
Description of Activities Performed: Commercial contractor const.

Any lead processed (if yes, please quantify): no

Company: Radco Heating/Air
Address: 5890 Chelton
Contact: Roberta Richards

Description of Activities Performed: install/repair heating & air conditioning units

Any lead processed (if yes, please quantify): no

Date: 4-13-94

Inspector: C. Shaw

1994 Lead SIP Inventory

Company: Clintine Fortune

Address: 5220 Elmwood Ave -

Contact: Cindy Kiel

Description of Activities Performed: _____

distribute notices (nails / 2+ copies)

Any lead processed (if yes, please quantify): no

Company: Melgray

Address: 5224 Elmwood Ave.

Contact: Henry Kappenberg

Description of Activities Performed: see list above

components

Any lead processed (if yes, please quantify): no

Date: 4-13-94

Inspector: C. Shavett

1994 Lead SIP Inventory

Company: Applied Instruments
Address: 5234 Elmwood Ave.
Contact: Marie Hayward

Description of Activities Performed: Electronic manufacturing

Any lead processed (if yes, please quantify): no

Company: Cash Register Systems
Address: 5621 Elmwood
Contact: Rae Barker

Description of Activities Performed: Sale & Service
Cash Register

Any lead processed (if yes, please quantify): no

Date: 4-13-94

Inspector: C. Hawitt

1994 Lead SIP Inventory

Company: Win Supply Inc

Address: 5620 Wilwood Ct.

Contact: Mr. Thompson

Description of Activities Performed: _____

were distributors

Any lead processed (if yes, please quantify): NO

Company: _____

Address: _____

Contact: _____

Description of Activities Performed: _____

Any lead processed (if yes, please quantify): _____

Date: 4-13-94

Inspector: C. Shavett

1994 Lead SIP Inventory

Company: M + M Auto Inc
Address: 3024 S 5th St
Contact: Tom Matthews
Description of Activities Performed: Automotive Mech. Sh-V

Any lead processed (if yes, please quantify): no

Company: ELCO ENERGY
Address: 6607 CHURCHMAN RD. E. TALL
Contact: LARRY ENERGY
Description of Activities Performed: MAINTENANCE

Any lead processed (if yes, please quantify): No

Date: 4/13/94

Inspector:

Donald R. [Signature] / Hunter

1994 Lead SIP Inventory

Company: Dorci Cabentry

Address: 6111 Churchman Bypass

Contact: Sondra Christie

Don Harper
(maint. mgr.)

Description of Activities Performed: make custom
Cabentry for homes and businesses.

Any lead processed (if yes, please quantify): _____

Company: NUMERICAL PRODUCTIONS

Address: 3901 E S. ARLINGTON AV.

Contact: JOHN FUGATE

Description of Activities Performed: MACHINE SHOP

Any lead processed (if yes, please quantify): No

Date: 4-13-94

Inspector: HUNTLEY/RIGGIN

1994 Lead SIP Inventory

Company: NATIONAL CITY BANK INDIANA

Address: 6120 CIRCUMFLEX BLVD - E. 155 - E. 155

Contact: DEAN PATTERSON

Description of Activities Performed: PRINTING

WAREHOUSE PICK + PACK OPERATIONS,

RECORDS STORAGE

Any lead processed (if yes, please quantify): NO

Company: JMC Corp

Address: 6136 E. Hanna Ave.

Contact: CAROL HERBERTZ / OFC. MGR.

Description of Activities Performed: PRECISION METAL

FABRICATION & MACHINING

Any lead processed (if yes, please quantify): NO

Date: 4-13-94

Inspector: Donald Riggins / Hunter

1994 Lead SIP Inventory

Company: JOACHIM MARTIN
Address: 4555, 4627, 4616 Independence Square
Contact: _____
Description of Activities Performed: MACHINE TOOL
Sales

Any lead processed (if yes, please quantify): _____

Company: K&R TOOL RENTAL
Address: 5328 VICTORY DRIVE
Contact: _____
Description of Activities Performed: TOOLS FOR RENTAL

Any lead processed (if yes, please quantify): _____

Date: _____ Inspector: _____

1994 Lead SIP Inventory

Company: ACCESSIBILITY Products

Address: 4855 S. Emerson AV

Contact: _____

Description of Activities Performed: wheel chair.

Any lead processed (if yes, please quantify): _____

Company: J.C. ALARM

Address: 4723 S. EMERSON

Contact: _____

Description of Activities Performed: Alarm installations

Any lead processed (if yes, please quantify): _____

Date: _____

Inspector: _____

1994 Lead SIP Inventory

Company: VILLAGE Pantry

Address: 5960 E THOMPSON Rd.

Contact: PAT THOMAS

Description of Activities Performed: Food, GAS, Staples

Any lead processed (if yes, please quantify): NO

Company: GLENN EARLES

Address: 4002 S ARKINGTON AVE.

Contact: MARK EARLE

Description of Activities Performed: Collision Repair

paint, Small No of vehicles painted
with lead paint

Any lead processed (if yes, please quantify): _____

Date: 4/12/94

Inspector: C. Miller

Enclosure 7



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live

Evan Bayh
Governor
Kathy Prosser
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Telephone 317-232-8603
Environmental Helpline 1-800-451-6027

STATE OF INDIANA)	SS: BEFORE THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
COUNTY OF MARION)	
COMMISSIONER OF THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT,)	CAUSE NO. A-2521
Complainant,)	
v.)	
REFINED METALS COMPANY)	
Respondent.)	

PRELIMINARY AGREED ORDER

The Commissioner and the Respondent hereby consent to the entry of the following Findings of Fact and Order.

I. FINDINGS OF FACT

Upon the consent of the parties hereto, the following findings are made:

1. Complainant is the Commissioner (hereinafter referred to as "Complainant") of the Indiana Department of Environmental Management (hereinafter referred to as "IDEM"), a department of the State of Indiana created by IC 13-7-2-11.
2. Refined Metals Company, (hereinafter referred to as "Respondent"), owns and operates a secondary lead smelter, located in Beech Grove, Indiana.
3. Complainant has jurisdiction over the Respondent and the subject matter of this action.
4. On March 17, 1994, Office of Air Management staff conducted an inspection of Respondent's operations. Inspection of Respondent's records showed that negative pressure had not been maintained continuously in the buildings housing the blast furnace, dust furnace, refining kettles, casting operation, and lead storage as required by Section 1 (1) of the emergency rule (a noncode provision concerning source specific provisions for Refined Metals Company) approved by the Indiana Air Pollution Control Board on January 5, 1994 and effective for the period from January 6, 1994 through April 5, 1994. Failure

Attachment B

REFINED METALS CORPORATION

OPERATION / MAINTENANCE
FUGITIVE DUST PROGRAM

REVISED 5/4/94

See Enclosure 5

