

PLEASE RUSH

NATIONAL LEAD CO. OF OHIO

HEALTH & SAFETY DIVISION

AMERICAN STEEL FOUNDRIES

No 7206

Industrial Hygiene or Medical Dept.						Analytical Chemistry Dept.			
1956									
I. H. #	419	Sample Nos.	7	Date Collected	2/29 by CES	Route to	CES	Date Received	3-1-56 by Lab
Location	ELMES ENGINEERING		Type of Sample	air dust	Analyzed for	F	AlphaXX	Date Reported	3-1-56 by MW
Remarks	AMER. STEEL FOUNDRIES		Briquetting	green salt-	V	Beta		Method of Analysis	Alpha scintillation
	CINCINNATI, OHIO		Mg blend on	350 ton	No ₃	Ra		counter 2	by CJM
			hydraulic press.	Oil	pH			Counting Data:	
								BKGD	.23 c/min GEO 42%
Sample No.	Hour	Sample Description	R	T	Q	Count	Time	C/min	d/m/m ³
1032		BZ Charging die with green salt-Mg blend using scoop. Dusting most evident as blend is dropped into die cylinder.	.02	1.5	.03	32	0.65	49.00	5556
1031		BZ Press operator pressing briquette. No visible dust during this period.	.02	1.25	.025	12	15	0.57	78
1030		BZ Removing die & briquette from press. Some difficulty encountered in getting die loose from ram.	.02	3	.06	32	10.17	2.92	166
1029		BZ Same as 1032	.02	1	.02	32	0.39	81.82	13,915
1028		GA During above operations (corner of operator's platform).	.02	10	.2	32	0.88	36.13	614
1027		BZ Pressing & removing (Same as 1031 and 1030).	.02	1.25	.025	32	4.13	7.52	1020
1026		GA Same location as 1028 - during pressing & removing of 1 briquette plus about 9 min. of adjustment time.	.02	10	.2	32	7.32	4.14	70

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1956													
I. H. #	420	Sample Nos.	3	Date Collected	2/29	by	CES	Route to	CES	Date Received	3-1-56	by	Lab
Location	ELMES ENGINEERING		Type of Sample	air dust	Analyzed for	F	Alpha	xx		Date Reported	3-1-56	by	MM
Remarks	AMER. STEEL FOUNDRIES		Briquetting green salt-		v	Beta				Method of Analysis Alpha scintillation counter 2			
	CINCINNATI, OHIO		Mg blend on 350 ton		No. /	Ra				Counting Data: by CJM			
			hydraulic press.		Oil	pH				BKGD .23 c/min GEO 42%			
Sample No.	Hour	Sample Description			R	T	Q	Count	Time	C/min	d/m ³		
1035	1400	BZ Charging die on press with green salt blend; material is scooped from drum on floor. Dusting most evident when material is dropped into die (one charge). Briquette is approx. 3½" dia. & 5" high.			.02	1.5	.03	32	0.31	103.00	11,678		
1034		BZ Press operator while pressing briquette. No visible dusting during this period.			.02	1.5	.03	15	16	0.71	80		
1033		GA Corner operator's platform during above operations. Some difficulty encountered getting the ram loose from the die cylinder.			.02	13	.26	32	1.84	17.16	224		