

NATIONAL LEAD CO. OF OHIO ——— HEALTH & SAFETY DIVISION

N^o 1942

Industrial Hygiene or Medical Dept.	Analytical Chemistry Dept.
I. H.# <u>1001</u> Sample Nos. _____ Date Collected _____ by <u>EVB</u> Route to <u>KVB</u>	Date Received <u>7-2-54</u> by <u>Lab</u>
Location <u>Dorr Company</u> Type of Sample <u>air dust</u> Analyzed for <u>alpha</u>	Date Reported <u>7-8-54</u> by <u>Lab</u>
Remarks _____	Method of Analysis <u>Counter #2</u>
_____	by <u>Lab</u>
_____	Counting Data:
_____	BKGD <u>6 c/Hr</u> GEO <u>44%</u>

Sample No.	Hour	Sample Description	R	T	Q	Count	Time	c/m	d/m/M ³
361		BZ Complete pelletizing.	.02	4.54	.0908	32	.6	53	1895
186		BZ Same as 361	.02	3.7	.074	32	2.8	11.3	496
185		BZ Scooping from zinc bucket into pail.	.02	.75	.015	32	2.02	15.7	3398
184		GA Entrance to reactor section of reactor building.	.02	30	.60	32	6.25	5	27
176		GA Near riffing table.	.02	35	.70	32	4.79	6.5	30
181		BZ Filling reactor.	.02	.83	.0166	32	35	.24	47
180		BZ Emptying cyclone & replace glass fiber sock.	.02	.97	.0194	32	10.24	3	502
182		BZ Emptying reactor collection pans weighing material, putting material into bags, & putting glass fiber sock into reject drum.	.02	1.5	.03	32	11.88	2.5	271
183		BZ Riffling.	.02	1.3	.026	32	1.23	26	3218
178		BZ Same as 180	.02	1.6	.032	32	5.7	5.6	588
496		BZ Weighing & riffing over flow	.02	15	.03	32	1.35	23.6	2554

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N^o 1943

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I. H.# <u>1002</u> Sample Nos. _____ Date Collected _____ by <u>EVB</u> Route to <u>EVB</u>	Date Received <u>7-2-54</u> by <u>Lab</u>
Location <u>Dorr Company</u> Type of Sample <u>air dust</u> Analyzed for <u>alpha</u>	Date Reported <u>7-8-54</u> by <u>Lab</u>
Remarks _____	Method of Analysis <u>Coujter #2</u>
_____	by <u>Lab</u>
_____	Counting Data:
_____	BKGD <u>8 c/Hr</u> GEO <u>44%</u>

Sample No.	Hour	Sample Description	R	T	Q	Count	Time	c/m	d/m/M ³
197		GA Near large sink on 2nd floor.	.02	.32	.64	20	32	.52	3
195		GA 2nd floor near doorway leading to south room.	.02	30	.60	25	32	.68	4
194		BZ Screening pellets.	.02	2	.04	30	38	.68	55
193		BZ Screening pellets.	.02	3.66	.0732	32	24.27	1.2	53
192		BZ Probing discharge port of reactor to assist material in coming out.	.02	.83	.0166	6	27	.12	23
190		BZ Dropping reactor bed.	.02	.64	.0128	23	58	.45	114
362		GA Rotap room.	.02	20	.40	32	11.73	2.6	21
191		BZ Emptying & cleaning screens.	.02	4.6	.092	32	3.49	9	318
N 900		BZ Emptying 5 screens (down to 20 mesh)	.02	5	.1	32	1.1	29	941
N 901		BZ Emptying 7 screens (down to 200 mesh)	.02	4.3	.086	32	1.64	19.4	732
N 902		BZ Weighing screened material & compounding entire sample (screen analysis)	.02	7.45	.149	32	10.68	2.9	63

Industrial Hygiene or Medical Dept.	Analytical Chemistry Dept.
I. H.# <u>1003</u> Sample Nos. _____ Date Collected _____ by <u>EVB</u> Route to <u>EVB</u>	Date Received <u>7-2-54</u> by _____ Lab
Location <u>Dorr Company</u> Type of Sample <u>air dust</u> Analyzed for <u>alpha</u>	Date Reported <u>7-8-54</u> by _____ Lab
Remarks _____	Method of Analysis <u>Counter #2</u>
	by _____ Lab
	Counting Data:
	BKGD <u>8 c/Hr</u> GEO <u>44%</u>

Sample No.	Hour	Sample Description	R	T	Q	Count	Time	c/m	d/m/M ³
486		BZ Feeding coarse material to jaw crusher.	.02	2	.04	32	25.39	1.1	89
487		BZ Emptying collection pan into large zinc bucket.	.02	.66	.0132	32	.84	38	9347
489		BZ Same as 486	.02	3	.06	32	.36	88	4762
490		BZ Same as 486, but includes a 5 sec look into collection pan.	.02	3.5	.07	32	.38	84	3896
488		BZ Same as 487	.02	.585	.0117	32	1.38	23	6383
491		BZ Screening for size determination	.02	.54	.0108	32	2.61	12	3608
492		BZ Emptying collection pan to 2-1/2 gal. pail.	.02	1.0	.02	32	1.39	23	3734
494		BZ Feeding med. size mat'l to jaw crusher.	.02	2	.04	32	.81	40	3247
495		BZ Same as 494	.02	1.2	.024	32	2.7	11.8	1596
493		BZ Examining fine mat'l in coll. pan	.02	.43	.0086	32	2.94	10.7	3291
497		GA 2' to the right of crusher waist high.	.02	30	0.6	32	.23	139	752

NATIONAL LEAD CO. OF OHIO — HEALTH & SAFETY DIVISION

N^o 1946

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I. H.# <u>1004</u> Sample Nos. _____ Date Collected _____ by <u>EVB</u> Route to <u>EVB</u>	Date Received <u>7-2-54</u> by <u>Lab</u>
Location <u>Dorr Company</u> Type of Sample <u>air dust</u> Analyzed for <u>alpha</u>	Date Reported <u>7-8-54</u> by <u>Lab</u>
Remarks _____	Method of Analysis <u>Counter #2</u>
	by <u>Lab</u>
	Counting Data:
	BKGD <u>8 c/hr</u> GEO <u>44%</u>

Sample No.	Hour	Sample Description	R	T	Q	Count	Time	c/m	d/m/mi ³
367		BZ Emptying collection pan (fine mat'l) into large zinc pan.	.02	1.07	.0214	32	.66	48.3	7328
498		GA Face level in front of crusher	.02	16	.32	32	.1	320	3247
499		GA Same as 498, except equip. was not operating (Check both sides of paper)	.02	30	.60	32	34	.75	4
						32	14.89	2.2	12.
500		BZ Screening pellets	.02	2.5	.05	32	3454	3.6	234
363		BZ Same as 500	.02	1.43	.0286	8	33	.14	16
370		BZ Weighing out material for making pellets.	.02	1.2	.024	32	26.76	1.09	147
369		BZ Same as 370	.02	1.5	.03	32	27.46	1.06	115
359		BZ Same as 370	.02	3	.06	29	23	1.1	60
189		BZ Pelletizing-adding dry material once-not complete cycle.	.02	2.3	.046	32	23.81	1.2	85
188		BZ Complete pelletizing operation.	.02	5.7	.114	32	.94	33.9	965
187		BZ Dust surge during initial mixing of the pelletizing operation.	.02	.6	.012	32	19.87	1.5	41