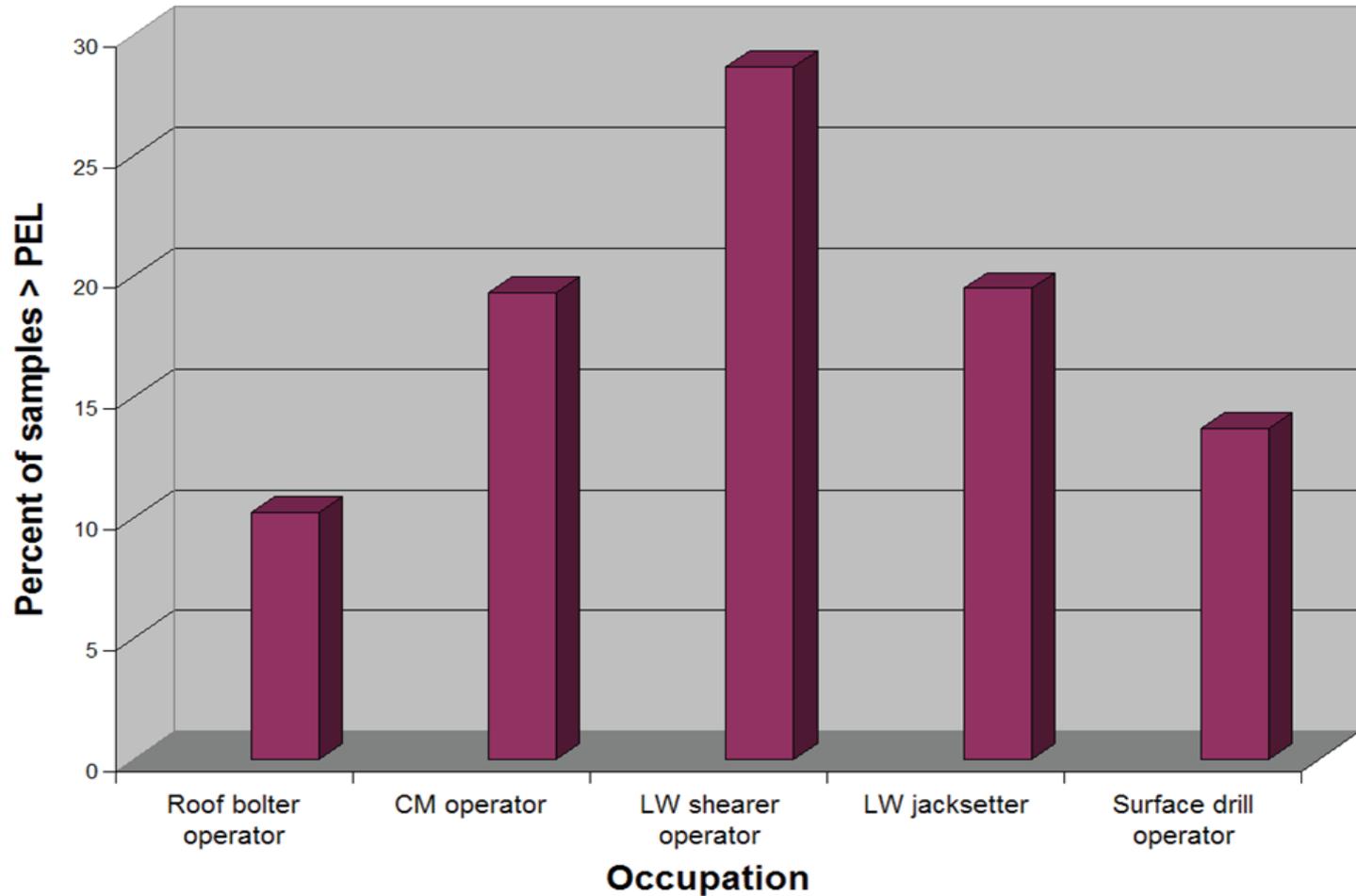

Health Division Overview

October 23, 2014

Percentage of MSHA inspector samples during 2003–2007 that exceeded reduced PELs

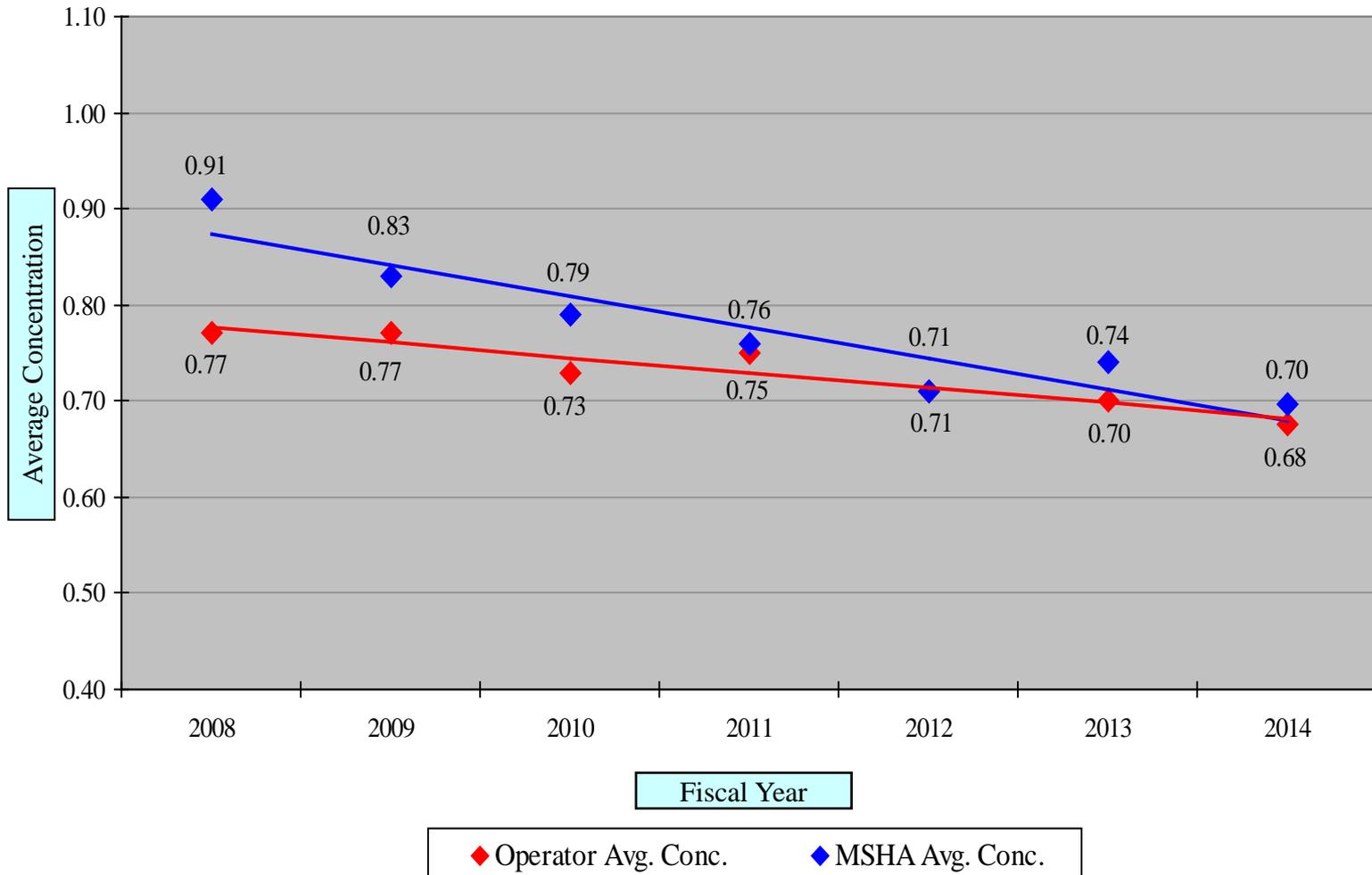




Respirable Dust



Underground Mines Average Dust Concentration by Fiscal Year



Producing DWPs by Occupation Type and Status Date

October 20, 2014

District	Original Entity Status Date:	Bulldozer Operator		Highwall Drill Operator		Other Occupations		Total
		Before 8/1/14	After 8/1/14	Before 8/1/14	After 8/1/14	Before 8/1/14	After 8/1/14	
2		39	215	3	158	29	6	450
3		7	56	3	28	3		97
4		12	124	7	88	7		238
5		7	47	5	31	1	1	92
6		15	118	4	80	9		226
7		17	123	7	84	6	2	239
8		4	96	1	49	14		164
9		2	37		47	5	9	100
10		1	33		9		3	46
11		4	78	10	42	5		139
12		5	80		54	5	1	145
Nation		113	1007	40	670	84	22	1,936
Total DWPs Established Due to the New Rule to Date:								1,823

* Includes all producing DWPs entered into the MSHA Data Warehouse as of 10/6/14.

Note: Most of the new DWPs established after 8/1/2014 have a status date effective 10/1/2014. 128 of the DWPs originally established prior to 8/1/2014 have a current entity status date after 8/1/2014. 93 Bulldozer Operators and 31 Highwall Drill Operators were re-established.

Dust Sample Counts by Sample Type

August 1 – September 30, 2014

Total Count and Counts Exceeding Dust Standards, ECV Values* and 100 µg/m³ Quartz

Sample Type	Sample Type Code	Operator Samples					MSHA Samples						
		Total Valid	Exceed Std		Exceed ECV		Total Valid	Exceed Std		Exceed ECV		Exceed 100 µg/m ³ Qtz	
			#	%	#	%		#	%	#	%	#	%
DO	1	2,411	59	2.4	34	1.4	360	11	3.1	7	1.9	4	1.1
NDO	2	6					1,439	15	1.0	6	0.4		
DA	3	739	8	1.1	6	0.8	389	6	1.5	3	0.8	4	1.0
DWP	4						198	1	0.5			4	2.0
PART 90	5	45	2	4.4	2	4.4	35	1	2.9	1	2.9		
NDA	6						30	1	3.3				
INTAKE	7						346	2	0.6	2	0.6		
NDWP	8						1,452	1	0.1	1	0.1		
INVALID	0						6						
Total:		3,201	69	2.2	42	1.3	4,255	38	0.9	20	0.5	12	0.3

* Uses CMDPSU ECV values and the applicable dust standard for each sample.

Citations Issued Since August 1, 2014

- 19 citations issued based on MSHA Single Shift Sampling
- 6 citations issued based on Operator Consecutive Shift Sampling

Dust Sample Counts by Sample Type

August 1 – September 30, 2014

Total Count and Counts Exceeding 2016 Dust Standards and ECV Values**

Sample Type	Sample Type Code	Operator Samples					MSHA Samples				
		Total Valid	Exceed Std		Exceed ECV		Total Valid	Exceed Std		Exceed ECV	
			#	%	#	%		#	%	#	%
DO	1	2,411	126	5.2	76	3.2	360	18	5.0	11	3.1
NDO	2	6					1,439	37	2.6	20	1.4
DA	3	739	19	2.6	8	1.1	389	16	4.1	8	2.1
DWP	4						198	2	1.0		
PART 90	5	45	4	8.9	3	6.7	35	4	11.4	2	5.7
NDA	6						30	1	3.3		
INTAKE	7						346	7	2.0	3	0.9
NDWP	8						1,452	4	0.3	3	0.2
INVALID	0						6				
Total:		3,201	149	4.7	87	2.7	4,255	89	2.1	47	1.1

** Applies maximum base dust standard of 1.5 mg/m³ for MMU, DA and DWP samples and 0.5 mg/m³ for intake air and Part 90 miner samples. Uses CPDM ECV values for operator face area and Part 90 miner occupational samples, and CMDPSU ECV values for other samples.