

MDEStat Meeting

March 9, 2012



Robert M. Summers, Secretary

Sue Battle-McDonald, Stat Director

**Table 1: Table 2: FY11-FY12 through 12/31/11
Oil and Gas, Non-Coal Mining and Coal Mining Inspections**

Permit Type	Number of permits in effect	Number of sites inspected in FY11	Number of sites inspected in FY12 through 12/31	Range of target inspection frequencies (eg 6-12 months, 2-3 years, etc)	Percentage of sites in this category for which target inspection frequency was met in FY11	Name and last inspection date of site that has remained uninspected by MDE for the longest period of time
Oil and Gas Exploration – sites in production mode	7	5	0	12 months	71.4%	54-GO-0006 (9/28/2000)
Oil and Gas Exploration – sites not in production	4	3	0	12 months	75%	73-GO-0100 (1/31/2005)
Non-Coal Mining	324	316	198	4-12 Months	?-Unable with current database	78-SP-0436 (9/9/2010)
Coal Mining	62	62	62	30-90 days	100%	Permit #335 on 11/18/11

Table 2: Percentage of Permits Issued Within Standard Turnaround Times

	FY08	FY09	FY10	FY11	FY12 through 12/31
Coal Mining	NA	81%	100%	88%	86%
Non-Coal Mining	100%	90%	79%	88%	75%
Oil & Gas Exploration and Production	97%	100%	NA	14%	100%

Table 3: Active Contract/Agreements Managed by the Mining Program (Continued on Next Slide)

Contracted Party / Payee	Date Contract Executed	Amount of Contract	Work Being Performed Under Contract	Contract Involve Federal Funds? Y/N	Fixed Price or Reimbursable? SEE NOTE* FP/R
FY 2010					
Summit Labs	5/17/2010	\$25,000	Water Analysis Services	Y	FP
MES	1/27/2010	\$20,066.79	Web Hosting and Managing the Bureau of Mines permitting database.	Y	FP
Garrett Co. Dep.of Public Utilities	6/30/2010 Mod #1 6/23/2011	\$1.2 Million \$280,000	Pee Wee Hill Waterline	Y	FP
Highland Engineering	11/12/09	\$25,000	Land Surveying Services	Y	FP
Keystone Lime	12/27/2010	\$14,875.00	Limestone, Sand	Y	FP
TriCon	2/19/2011	\$125,593.50	Various Dosers – Calcium Oxide	Y	FP
TriCon	3/11/2011	\$71,185.80	Various Dosers – Hydrated Lime	Y	FP

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FY 2010					
Aquafix	4/28/2010	\$23,750	Buffalo 422 Doser – Hydrated Lime	Y	FP
Greer Lime	5/1/2011	\$18,800	Calcium Carbonate for Various Dosers	Y	FP
Allegany Aggregates	6/3/2010	\$7,250.00	Crusher Run	Y	FP



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FY 2011					
Pine Mountain	8/25/2010	\$25,000	AMD System maintenance and repair	Y	FP
State of Maryland UMCES	8/16/2010	\$10,272	Casselman River Benthic Study for Deep Mine	N	FP
Town of Lonaconing	3/23/2011	\$191,000	Mod. for the Charlestown Waterline Project	N	FP
USGS	5/11/2011	\$4,200	Measuring Flow in the Casselman River	N	FP
FSU	3/22/2011	\$5,000	Student Intern	Y	FP
CTL		\$94,201	FY 2011 Integrator	Y	FP

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FY 2011					
Allegheny Soil Conservation District	12/07/2010 Mod #1	\$80,506.00 \$3,107.30	Watershed Project and Engineering assistance	Y	FP
College of Southern Maryland	1/26/2011	\$56,000	Administer grant for Mine Safety and Health Admin for miner safety training	Y	FP
State of Maryland – UMCES	5/25/2011	\$22,878	Flow Studies and Investigative work at the McDonald Mine	N	FP

Table 3: Active Contract/Agreements Managed by the Mining Program (Continued on Next Slide)

Contracted Party / Payee	Date Contract Executed	Amount of Contract	Work Being Performed Under Contract	Contract Involve Federal Funds? Y/N	Fixed Price or Reimbursable? SEE NOTE* FP/R
FY 2012					
Aquafix	6/27/2011	\$10,000	Maintenance for Aquafix Lime Dosers	Y	FP
FSU	9/6/2011	\$5,000	Student Intern	Y	FP
Pine Mtn Coal Co.	11/2/2011	\$25,000	AMD System Maintenance	Y	FP
Pine Mountain Coal Company	10/3/2011	\$99,982	Buffalo 422 AMD System Upgrades	N	FP
Various	various	\$24,496.57	Multiple small Pos for dosers supplies and maintenance	Y	FP
Lime Dosers Inc.	5/7/2010	\$7,385.53	Maintenance on Box Holm dosers	Y	FP
State of Maryland – IMCES	7/8/2011	\$10,272	Year 2 of Casselman River Benthic Study	N	FP

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FY 2012					
US Cellular	6/29/2011	\$11,141.26	Cell Phone for Mining Program	Y	FP
Seismic Surveys	11/4/11	\$6,588.00	Coal Mine Blasting Monitoring	Y	FP
FAI (Friends Aware)	6/29/2011	\$14,793.54	Cleaning Services	Y	FP
CTL	7/8/2011	\$44,624	Red Hill Landslide and Stream Stabilization Project Design	Y	FP
CTL	7/8/2011	\$6,693.00	Franklin Landslide Survey Control Points	Y	FP
Pine Mountain Coal Company	8/30/2011	\$25,000	Maintenance of AML Projects	Y	FP
CTL	10/13/2011	\$10,174.92	Lower Consol Road Mine Subsidence Evaluation	Y	FP

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FY 2012					
BYCO	11/28/2011	\$93,645	Mill Run Doser Retro Fit Project	Y	FP
CTL	1/31/2012	\$1,186.56	Hydrogeologic Consulting	Y	FP
CTL	1/31/2012	\$48,788.50	Douglas Avenue Landslide Project Design	Y	FP
CTL	1/31/2012	\$14,638.36	Bald Knob and Potomac Hollow water supply studies		FP
State of Maryland	11/4/2011	\$1,717.00	Trees	Y	FP
Allegheny Soil Conservation District	6/27/2011	\$74,773.00	Sewerline relocation to facilitate the Sand Spring Run AML Project	Y	FP

Table 3: Active Contract/Agreements Managed by the Mining Program

Contracted Party / Payee	Date Contract Executed	Amount of Contract	Work Being Performed Under Contract	Contract Involve Federal Funds? Y/N	Fixed Price or Reimbursable? SEE NOTE* FP/R
FY 2012					
Town of Midland	10/28/2011	\$250,000	Midland Mine Drainage Project	Y	FP
MES	12/21/2011	\$26,820.04	Web Hosting and Managing the Bureau of Mines permitting database.	Y	FP
MES	1/9/2012	\$55,040	Deep Mine Mapping Project	Y	FP

* Under fixed-price contracts, payments are made on the basis of milestones and deliverables. Under reimbursable contracts, payments are made on the basis of invoices listing staff time, materials, and expenses.

Table 4: Scrap Tire Disposal Sites and Enforcement Efforts

	From Program Inception Through FY09	FY10	FY11	FY12 through 2/17/12
Number of cleanup sites completed	782	40	36	30
Number of tires removed from cleanup sites	8,846,633	230,399	509,210	131,216

**Table 5: LMA Enforcement Cases in OAG by Priority Level
(Lead data includes legally-resolved cases. All other data excludes
legally-resolved cases) (Continued on next slide)**

Priority Category	11/15/10	12/1/10	3/28/11	6/20/11	7/25/11	9/26/11	11/7/11	12/12/11	2/16/12
5	Lead-4 SWP-0 OCP-5 HWP-0	Lead-4 SWP-0 OCP-6 HWP-0	Lead-5 SWP-0 OCP-5 HWP-0	Lead-6 SWP-0 OCP-7 HWP-0	Lead-5 SWP-0 OCP-7 HWP-0 Scrap Tires-0	Lead - 5 SWP - 0 OCP - 7 HWP - 0 Scrap Tires - 0 MP - 0	Lead - 5 SWP - 0 OCP - 7 HWP Scrap Tires - 0 MP - 0	Lead SWP - 0 OCP - 2 HWP - 0 Scrap Tires - 0 Mining - 0	Lead - 4 SWP - 0 OCP - 2 HWP - 0 Scrap Tires - 2 Mining - 0
4	Lead-31 SWP-4 OCP-1 HWP-1	Lead-35 SWP-3 OCP-0 HWP-1	LEAD-29 SWP-3 OCP-1 HWP-1	LEAD-27 SWP-3 OCP-1 HWP-1	Lead-35 SWP-3 OCP-1 HWP-1 Scrap Tires-0	Lead - 36 SWP - 5 OCP - 1 HWP - 1 Scrap Tires - 0 MP - 0	Lead - 42 SWP - 6 OCP - 1 HWP Scrap Tires - 0 MP - 0	Lead - SWP - 6 OCP - 1 HWP - 1 Scrap Tires - 1 Mining - 0	Lead - 48 SWP - 5 OCP - 1 HWP - 1 Scrap Tires - 4 Mining - 0



**Table 5: LMA Enforcement Cases in OAG by Priority Level
(Lead data includes legally-resolved cases. All other data excludes
legally-resolved cases) (Continued on next slide)**

Priority Category	11/15/10	12/1/10	3/28/11	6/20/11	7/25/11	9/26/11	11/7/11	12/12/11	2/16/12
3	Lead-133 SWP-7 OCP-7 HWP-2	Lead-134 SWP-7 OCP-7 HWP-2	LEAD-119 SWP-20 OCP-8 HWP-2	LEAD-132 SWP-23 OCP-6 HWP-3	Lead-136 SWP-23 OCP-6 HWP-3 Scrap Tires-2	Lead - 133 SWP - 21 OCP - 6 HWP - 3 Scrap Tires - 2 MP - 0	Lead - 130 SWP - 22 OCP - 6 HWP - Scrap Tires 2 MP - 0	Lead - OSP - 0 SWP - OCP -11 HWP - 1 Scrap Tires - 2 MP - 0	Lead - 129 SWP - 21 OCP - 11 HWP - 0 Scrap Tires -7 Mining - 0
2	Lead-86 SWP-3 OCP-5 HWP-4	Lead-88 SWP-2 OCP-4 HWP-4	LEAD-88 SWP-11 OCP-4 HWP-4	LEAD-93 SWP-8 OCP-4 HWP-4	Lead-92 SWP-8 OCP-4 HWP-4 Scrap Tires-2	Lead - 93 SWP - 8 OCP - 4 HWP - 4 Scrap Tires - 2 MP - 0	Lead - 93 SWP - 8 OCP - 4 HWP - Scrap Tires - 2 MP -0	Lead - SWP - 9 OSP - 0 HWP - 3 Scrap Tires - 2 MP - 0 OCP - 5	Lead - 92 SWP - 8 OCP - 5 HWP - 3 Scrap Tires - 3 Mining - 0



**Table 5: LMA Enforcement Cases in OAG by Priority Level
(Lead data includes legally-resolved cases. All other data excludes
legally-resolved cases)**

Priority Category	11/15/10	12/1/10	3/28/11	6/20/11	7/25/11	9/26/11	11/7/11	12/12/11	2/16/12
1	Lead -30 SWP-2 OCP-3 HWP-7	Lead-30 SWP-2 OCP-4 HWP-4	LEAD-26 SWP-1 OCP-5 HWP-3	LEAD-32 SWP-1 OCP-6 HWP-3	Lead-31 SWP-1 OCP-6 HWP-3 Scrap Tires-0	Lead - 29 SWP - 1 OCP - 6 HWP - 3 Scrap Tires - 0 MP - 0	Lead - 27 SWP - 1 OCP - 6 HWP - Scrap Tires - 0 MP - 0	Lead - SWP - 1 OCP - 4 HWP - 1 Scrap Tires - 0 MP - 0	Lead - 25 SWP - 1 OCP - 4 HWP - 1 Scrap Tires - Mining - 0
No Priority Level Designated	Lead-0 SWP-0 OCP-0 HWP-0	Lead-0 SWP-21 OCP-0 HWP-0	LEAD-0 SWP-0 OCP-0 HWP-0	LEAD-0 SWP-0 OCP-0 HWP-0 MP - 1	Lead-0 SWP-0 OCP-0 HWP-0 Scrap Tires-0	Lead - 0 SWP - 0 OCP - 0 HWP - 0 Scrap Tires MP - 0	Lead - 0 SWP - 0 OCP - 0 HWP - Scrap Tires MP - 0	Lead - SWP - 0 OCP - 0 HWP - 0 Scrap Tires - 0 MP - 0	Lead - 0 SWP - 0 OCP - 0 HWP - 2 Scrap Tires - Mining - 0
Total	Lead-284 SWP-16 OCP-21 HWP-14 Total-335	Lead-291 SWP-35 OCP-21 HWP-11 Total-358	LEAD-267 SWP-35 OCP-23 HWP-10 Total-335	LEAD-290 SWP-35 OCP-24 HWP-11 Total-360	Lead-299 SWP-35 OCP-24 HWP-11 Scrap Tires-4 Total-373	Lead - 296 SWP - 35 OCP - 24 HWP - 11 Scrap Tires - 4 MP - 0 Total - 370	Lead - 297 SWP - 37 OCP - 24 HWP - Scrap Tires - 4 MP - 0 Total - 365	Lead - SWP - 38 OCP - 23 HWP - 6 Scrap Tires - 5 MP - 0 Total -	Lead - 298 SWP - 35 OCP - 23 HWP - 7 Scrap Tires - 16 Mining - 0 TOTAL - 363



Table 6: LMA's Projected Numbers of CAFOs Registered

Date	Expected Number of CAFOs Registered
9/30/11	2 PW x 1 permit/week x 16 weeks = 32 + 74 = 106
12/31/11	2 PW x 1 permit/week x 13 weeks = 26 + 106 = 132
3/31/12	3 PW x 1 permit/week x 13 weeks = 39 + 132 = 171
6/30/12	3 PW x 1 permit/week x 13 weeks = 39 + 171 = 210
9/30/12	3 PW x 1 permit/week x 13 weeks = 39 + 210 = 249
12/31/12	3 PW x 1 permit/week x 13 weeks = 39 + 249 = 288
12/31/13	3 PW x 1 permit/week x 52 weeks = 156 + 288 = 444
3/31/14	3 PW x 1 permit/week x 13 weeks = 39 + 444 = 483

Table 7: CAFO Registration Progress (Continued on Next Slide)

	8/19/11	9/9/11	9/16/11	9/23/11	11/7/11	1/3/12	2/27/12
1. Total number of NOIs received	595	596	594	595	597	600	596
1a. Total number of CAFO NOIs	471	471	471	471	471	473	466
1b. Total number of MAFO NOIs	97	98	98	98	97	98	99
1c. Number of NOIs withdrawn	27	27	27	27	29	29	31
2. Number of CAFOs with NOI & CNMP received.	331	336	340	340	347	353	365
2a. Number of CNMPs under review.	219	229	216	213	214	193	170
2b. Number of CAFOs under public comments.	23	17	16	13	1	5	25
2c. Number of CAFOs registered under GD Permit.	89	81	108	114 (24%)	132 (28%)	155 (33%)	170 (37%)

Table 8: CAFO Registration Progress

	8/19/11	9/9/11	9/16/11	9/23/11	11/7/11	1/3/12	2/27/12
3. Number of CAFO sites that have submitted compliance schedules to date.	345	346	346	346	346	351	368
4. Number of CAFO sites with compliance schedules executed*	331	330	332	332	332	339	357**
5. Number of CAFO sites that have submitted NOIs but are not yet registered and also do not have compliance schedules in force	Not requested				25?	15?	

***Actual number of active CAFO sites with fully executed compliance schedules. Does not count withdrawn sites which may have signed compliance schedules but are no longer in operation, or combined facilities, or MAFO sites who have submitted compliance schedules when they were under CAFO status.

Note: This table is a basic, but important snapshot of the CAFO program activities. Note that number "1" in the table is made up of its subparts, as is number "2".

Table 9: CAFO Inspection Tracking

	FY10	FY11	FY12 Target	FY12 through 10/31	FY12 through 12/31/11	FY12 Through 2/27/12
“Notified” (ie NOI submitted) CAFO AIs Inspected	49	58	240	57	83	109
“Notified” (ie NOI submitted) MAFO AIs Inspected	2	3	5	0	0	0
Non-notified Sites Inspected and Found to be CAFOs or MAFOs	1	37	25	2	2	2
Total Inspections Conducted (including sites found not to be CAFOs or MAFOs)	52	319	270	59	85	111
Minor Violations Found	5	76	N/A	16	16	27
Significant Violations Found	0	5	N/A	2	2	2

Table 10: Manufacturers Required to Submit Ecyling Registrations

	11/15/10	2/14/11	6/20/11	8/11/11	12/12/11	2/27/12
Number of electronics manufacturers required to register	223	217	215	213	215	210
Number of electronics manufacturers currently registered and in good standing	67 (2010)	57 (2011)	69	73	82	63 (2012)
Number of electronics manufacturers required to register but not currently registered	156	160	146	140	133	147
Number of enforcement letters mailed	25	50	92	138	138	138 (0 for 2012)
Number of letter recipients who registered after receiving letter	0	1	7	9	12	14 (0 for 2012)

Table 11: Mercury Switch Removal

	2007	2008	2009	2010	2011
Number of switches collected	860	4,625	10,052	5,509	11,011
Capture rate*	1.4%	9.1%	19.7%	10.8%	22.9%

* Note: CR = (Number of switches turned in) divided by (number of switches available).

Table 12: Mercury Switch Recyclers

	6/20/11	7/25/11	11/7/11	12/12/11	2/27/12
Number of entities identified by LMA as subject to switch removal requirements	212	193, at most (see note)	252	224	203
Number of entities enrolled in ELVS	120	120	120	138	138
Number of unenrolled entities contacted by LMA	Not requested				65

NOTE: 77 new companies were added to the database at the end of 2011. Of these 60 have not registered with ELVS and were sent compliance letters in February 2012. Of companies previously in database, all not registered were visited by LMA from September to December 2011.