



Coal Mine Safety and Health
District 9

NOV 19 2010

Mr. Robert C. Hall
Mine Manager
Bull Mountains Mine No. 1
Signal Peak Energy LLC
100 Portal Drive
Roundup, MT 59072

Dear Mr. Hall:

In accordance with Section 104(e) of the Federal Mine Safety and Health Act of 1977 (Mine Act) and 30 CFR Part 104, the Mine Safety and Health Administration (MSHA) has conducted a pattern of violation (POV) screening of compliance records for the 12 months ending August 31, 2010 and of accident and employment records for the 12 months ending June 30, 2010, for the Bull Mountains Mine No. 1, MSHA ID No. 24-01950. A POV screening is used to determine if Section 104(e) is applicable to a particular mine. If implemented, Section 104(e) requires all subsequent violations designated as Significant and Substantial (S&S) be issued as closure orders with all persons withdrawn from the affected area except those necessary to correct the violation. An operator can be removed from Section 104(e) sanctions only after an inspection of the entire mine results in no significant and substantial violations.

This letter is your notification that a potential pattern of violations exists at the Bull Mountains Mine No. 1. This notification is based upon the initial screening and pattern criteria review, which were conducted in accordance with 30 C.F.R. §§ 104.2 and 104.3. A Pattern of Violation Review report is enclosed as Attachment A. This report details the methodology used for the initial screening and pattern criteria review and summarizes your mine's performance relative to the criteria.

Prior to MSHA implementing Section 104(e) sanctions at the Bull Mountains Mine No. 1, you are provided the opportunity, not to exceed 20 days from the date of this notification, to take any or all of the following steps:

Review all documents upon which the pattern of violations evaluation is based and provide additional mitigating information.

Submit a written request for a conference with me (I shall hold any conference within 10 days of a request).

Provide a written plan to me indicating that you will institute a corrective action program to avoid repeated significant and substantial violations at the operation. Guidance on what constitutes an appropriate corrective action program is contained in the enclosed document entitled *Pattern of Violations Procedures Summary*.

Please note that 30 C.F.R. § 104.4(d) requires that you post a copy of this letter on the mine bulletin board until you are notified of MSHA's final determination with respect to your status pursuant to Section 104(e) of the Mine Act.

Bull Mountains Mine No. 1 was issued 3.01 S&S violations per 100 inspection hours during the 12-month review period. If the Bull Mountains Mine No. 1 implements an appropriate corrective action program, the mine must maintain an S&S rate of 4.88 or lower during the evaluation period (i.e., within the top 50th percentile of similar type mines for the 12-month review period). If a corrective action program is not implemented, the mine must maintain an S&S rate of 3.68 or lower during the evaluation period (i.e., within the top 35th percentile of similar type mines). Therefore, I encourage you to implement a corrective action program as soon as practicable. An explanation of these rates, as well as guidelines for an appropriate corrective action plan, are contained in the enclosed document entitled *Pattern of Violations Procedures Summary*. Absent mitigating circumstances, the Bull Mountains Mine No. 1 must meet one of these goals to avoid being issued a pattern of violations notice during this POV review cycle.¹

Whether or not you implement a corrective action program, MSHA will conduct a complete inspection of the Bull Mountains Mine No. 1. This inspection may start as soon as December 9, 2010. I will analyze the results of this complete inspection and other on-site enforcement activities conducted during the corrective action period to evaluate whether the Bull Mountains Mine No. 1 has effectively controlled the occurrence of S&S violations during the review period.

If you implement a corrective action program which does not achieve a rate of S&S violations at or below the applicable levels set forth in the paragraph above, pursuant to 30 C.F.R. section 104.5(b), I will submit an evaluation report to the

¹ However, all mines will be considered for potential pattern of violation notices during the next and subsequent review cycles. MSHA is required to conduct evaluations at least annually but can conduct the evaluations more frequently.

Administrator for Coal Mine Safety and Health within 120 days from the date of this notification. If you choose not to implement a program to reduce S&S violations, I will submit the report of the evaluation to the Administrator within 60 days from the date of this notification.

In both cases, a copy of the report of evaluation will be provided to you and the representative of the miners 10 days before the report is sent to the Administrator. Both you and the miners' representative will have 10 days from the receipt of the report to submit written comments to the Administrator.

Within 30 days of receipt of my report to the Administrator, the Administrator will issue a decision as to whether the Bull Mountains Mine No. 1 is to be issued a Notice of a Pattern of Violations. A copy of the decision will be provided to you and the representative of the miners.

If the Administrator decides to issue a Notice of Pattern of Violations, I will issue the Notice of Pattern of Violations to you. A copy of the notice will also be provided to the representative of miners.

Following issuance of a Notice of Pattern of Violations, I will initiate appropriate inspection activities to ensure that the Bull Mountains Mine No. 1 is inspected in its entirety during the following 90-day time frame and each succeeding inspection cycle until the Pattern of Violation order is terminated.

If upon any inspection after the issuance of the Pattern of Violations Notice an authorized representative finds any violation of a mandatory health or safety standard which could significantly and substantially contribute to the cause and effect of a safety or health hazard, the inspector shall issue an order requiring the withdrawal of all persons in the area affected by the violation except those persons listed in 104(c) of the Mine Act. All persons, except as listed in 104(c) of the Mine Act, shall also be prohibited from entering that area until the inspector determines that such violation has been abated.

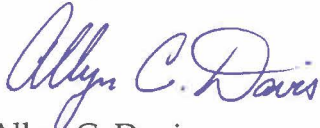
Termination of a Pattern of Violations notice shall occur when an inspection of the entire mine results in no significant and substantial violations or no withdrawal order is issued by MSHA in accordance with section 104(e)(1) of the Act within 90 days of the issuance of the pattern letter.

You may request an inspection of the entire mine or portions of the mine at any time. No advance notice of the inspection shall be provided and MSHA will determine the scope of each inspection. Partial inspections that cumulatively cover the entire operation within the 90-day period will constitute an inspection

of the entire operation for the purposes of termination of a Pattern of Violations Notice.

Please contact me at (303) 231-5458 if you have any questions regarding this matter. Additional mitigating information, requests for a conference and/or a written plan to institute a corrective action program should be sent to me at: MSHA, District 9. P.O. Box 25367, Denver Federal Center, Denver, CO 80225.

Sincerely,

A handwritten signature in blue ink that reads "Allyn C. Davis". The signature is written in a cursive style with a large initial 'A'.

Allyn C. Davis
District Manager

Enclosures

Screening Criteria Results for Pattern of Violations

The following screening criteria are used to perform the initial screening required under 30 CFR §104.2 and 30 CFR §104.3. If the mine meets either Initial Criteria 1 or Initial Criteria 2, the mine will be considered for a PPOV if the Final Order Criteria is also met.

Overall Results PPOV
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Does the mine meet Initial Criteria 1 (30 CFR §104.2) ? - **YES**
 Does the mine meet Initial Criteria 2 (30 CFR §104.2) ? - **NO**
 Does the mine meet Final Order Criteria (30 CFR §104.3) ? - **YES**

Query Run Date
Oct-18-2010

DISTRICT 09 Gillette WY Field Office
Mine ID: 24-01950
Mine Status: Active (on screening date)
Mine Name: Bull Mountains Mine No 1
Mine Type: Underground Coal
Controller: Global Mining Group LLC; Musselshel Resources LLC
Operator: Signal Peak Energy LLC

12 Month Date Range Used	
Start Date:	Sep-01-2009
End Date:	Aug-31-2010

Criteria	Criteria Description	Does the Mine Meet the Criteria?	
Initial Criteria 1	1 At least 50 citations/orders for significant and substantial (S&S) violations issued in the most recent 12 months.	59 YES	YES This mine meets all four Initial Criteria 1
	2 A rate of eight or more S&S citations/orders issued per 100 inspection hours during the most recent 12 months, or <i>59 S&S C/O's were issued during 1957 inspection hours.</i> The degree of negligence for at least 25 percent of the S&S C/O's issued during the most recent 12 months is "high" or "reckless disregard." <i>16 of the 59 S&S C/O's issued were either high or reckless disregard.</i>	3.01 NO 27.1% YES	
	3 At least 0.5 elevated citations and orders [under section 104(b); 104(d); 104(g); or 107(a) of the Mine Act] issued per 100 inspection hours during the most recent 12 months. <i>15 elevated C/O's were issued during 1957 inspection hours.</i>	0.77 YES	
	4 The Injury Severity Measure (SM) for the mine is greater than the overall Industry SM for all mines in the same mine type and classification over the most recent 12 months. <i>The mines SM of 2744.4 is more than the industry SM of 541.4.</i>	2744.4 YES	
Initial Criteria 2	1 At least 100 S&S citations/orders issued in the most recent 12 months. <i>59 S&S C/O's were issued.</i>	59 NO	NO This mine does not meet both Initial Criteria 2
	2 At least 40 elevated citations and orders [under section 104(b); 104(d); 104(g); or 107(a) of the Mine Act] issued during the most recent 12 months. <i>15 elevated C/O's were issued.</i>	15 NO	
Final Order Criteria	1 At least 5 S&S citations/orders of the same standard that became final orders of the commission during the most recent 12 months, or <i>7 C/O's of standard 75.400 became final orders.</i>	7 YES	YES This mine meets at least one of the Final Order Criteria
	2 At least 2 S&S unwarrantable failure citations/orders [104(d)] became final orders of the commission during the most recent 12 months. <i>3 unwarrantable failure C/O's became final orders.</i>	3 YES	

Note: This mine has not been identified for a PPOV review before.

MSHA Mine ID: 24-01950

Mine: Bull Mountains Mine No 1

Operator: Signal Peak Energy LLC

Controller: Global Mining Group LLC; Musselshel Resources LLC

Mine Status: Active

Mine Status Date: 09/14/2007

Month	Inspector Hours Worked	Calendar Days Inspector(s) at Mine	Citations and Orders Issued During the 12 Month Review Period							Cumulative percent S&S	Cumulative S&S/100 Inspection Hours	Cumulative Elevated/100 Inspection Hours
			Non S&S	S&S	Elevated			Total				
					104(b)	104(d)	104(g)		107(a)			
Sep 2009	94.00	5	22	5	0	0	0	0	0	0	0.00	
Oct 2009	357.25	7	57	6	0	3	2	0	0	5	1.11	
Nov 2009	90.50	6	12	1	0	0	0	0	0	0	0.92	
Dec 2009	84.00	9	9	1	0	0	0	0	0	0	0.80	
Jan 2010	294.50	18	18	6	1	1	0	0	0	2	0.76	
Feb 2010	85.00	7	10	2	0	2	0	0	0	2	0.90	
Mar 2010	60.50	7	5	0	0	0	0	0	0	0	0.84	
Apr 2010	148.25	11	5	8	0	1	0	0	0	1	0.82	
May 2010	149.50	14	18	9	1	0	0	0	1	2	0.88	
Jun 2010	188.50	15	14	10	0	1	0	0	0	1	0.84	
Jul 2010	84.50	6	11	0	0	0	0	0	0	0	0.79	
Aug 2010	320.50	15	37	11	0	1	1	1	0	2	0.77	
Totals	1,957.00	120	218	59	2	9	3	1	1	15		

Inspection hours are from the inspectors Weekly Activity in IPAL.

- (1) The inspection time is the sum of the Site Inspection Time.
- (2) Supervisor and Trainee time are not included.
- (4) The following event hours will be included in the analysis:

E01	E02	E03	E04	E05	E06
E07	E08	E15	E16	E17	E18
E19	E20	E21	E22	E23	E24
E25	E27	E28	E33		

Cumulative
During Review
Period

Issuance	Citation No.	Date/Time Issued	30 CFR	Type Action	Type	S&S	Likelihood	Injury/Illness	Persons Affected	Negligence	Times this Standard Cited	S&S Count	Elevated Count
1	8463364	09/01/09 09:32 AM	75.333(b)(3)	104(a)	C	N	U	L	5	M	1		
2	8463616	09/01/09 11:30 AM	75.400	104(a)	C	Y	R	L	1	H	1	1	
3	7609793	09/01/09 01:00 PM	75.508	104(a)	C	N	U	L	8	M	1		
4	7609794	09/02/09 09:00 AM	75.1914(h)(1)	104(a)	C	N	U	N	1	H	1		
5	8463252	09/15/09 09:45 AM	75.503	104(a)	C	N	U	L	1	M	1		
6	6687073	09/15/09 11:00 AM	75.400	104(a)	C	Y	R	P	1	H	2	2	
7	6687074	09/15/09 11:15 AM	75.1731(b)	104(a)	C	Y	R	P	8	M	1	3	
8	6687075	09/15/09 11:20 AM	75.1722(a)	104(a)	C	Y	R	P	1	M	1	4	
9	6687076	09/15/09 11:35 AM	75.507	104(a)	C	N	U	L	1	M	1		
10	8463253	09/15/09 11:45 AM	75.340(a)(1)(i)	104(a)	C	N	U	L	1	M	1		
11	8463254	09/15/09 11:50 AM	75.351(d)(2)	104(a)	C	N	U	L	1	M	1		
12	8463255	09/15/09 12:15 PM	75.517	104(a)	C	N	U	L	1	M	1		
13	8463256	09/15/09 12:15 PM	75.503	104(a)	C	N	U	L	1	M	2		
14	6687077	09/15/09 12:30 PM	75.811	104(a)	C	N	U	L	1	M	1		
15	8463257	09/15/09 12:30 PM	75.1106-3(c)	104(a)	C	N	U	L	1	M	1		
16	8463258	09/15/09 12:55 PM	75.1106-3(a)(2)	104(a)	C	N	U	L	1	M	1		
17	6687078	09/15/09 01:00 PM	75.380(d)(7)(vii)(A)	104(a)	C	N	U	L	1	M	1		
18	8463259	09/15/09 02:30 PM	75.203	104(a)	C	N	U	L	1	M	1		
19	6687079	09/15/09 02:30 PM	75.1403	104(a)	C	N	U	L	1	M	1		
20	8463260	09/15/09 03:10 PM	75.370(a)(1)	104(a)	C	N	U	L	1	M	1		
21	8463261	09/15/09 04:30 PM	75.512	104(a)	C	N	U	L	1	M	1		
22	6687080	09/15/09 07:00 PM	75.364(h)	104(a)	C	N	U	L	1	M	1		
23	8463365	09/21/09 10:22 AM	75.403	104(a)	C	Y	R	L	3	M	1	5	
24	8463625	09/23/09 05:30 PM	75.333(c)(3)	104(a)	C	N	U	L	5	M	1		
25	8463624	09/23/09 05:30 PM	75.1725(a)	104(a)	C	N	U	L	3	M	1		
26	8463262	09/23/09 06:00 PM	75.380(d)(7)(iv)	104(a)	C	N	U	L	1	M	1		
27	7284369	09/25/09 07:30 AM	70.207(a)	104(a)	C	N	U	N	1	M	1		
28	8463409	10/14/09 09:00 AM	48.8(a)	104(g)(1)	O	N	U	P	37	M	1		1
29	8463410	10/14/09 09:15 AM	48.28(a)	104(g)(1)	O	N	U	P	15	M	1		2
30	8463629	10/19/09 06:10 AM	75.360(g)	104(a)	C	N	U	L	5	M	1		
31	8463630	10/19/09 11:50 AM	75.517	104(a)	C	N	U	L	1	M	2		
32	8463267	10/19/09 11:50 AM	75.904	104(a)	C	N	U	L	1	M	1		
33	8463268	10/19/09 11:55 AM	75.333(h)	104(a)	C	N	U	L	1	L	1		
34	8463631	10/19/09 12:10 PM	75.380(d)(7)(iv)	104(a)	C	N	U	P	5	M	2		
35	8463269	10/19/09 02:30 PM	77.405	104(a)	C	N	U	P	2	M	1		
36	8463632	10/20/09 08:20 AM	75.350(a)(2)	104(a)	C	N	U	L	5	M	1		
37	6687081	10/20/09 09:30 AM	77.1109(c)(1)	104(a)	C	N	U	L	1	M	1		
38	6687082	10/20/09 09:45 AM	77.1102	104(a)	C	N	U	L	1	M	1		
39	6631251	10/20/09 09:50 AM	75.1916(e)	104(a)	C	Y	R	L	3	M	1	6	
40	8463271	10/20/09 10:00 AM	77.404(c)	104(a)	C	N	U	L	1	M	1		
41	7609796	10/20/09 01:00 PM	75.1914(h)(1)	104(a)	C	N	U	N	1	M	2		

Mine: Bull Mountains Mine No 1

Operator: Signal Peak Energy LLC

Controller: Global Mining Group LLC; Musselshel Resources I

Mine Status: Active

Mine Status Date: September 14, 2007

Cumulative
During Review
Period

Issuance	Citation No.	Date/Time Issued	30 CFR	Type Action	Type	S&S	Likelihood	Injury/Illness	Persons Affected	Negligence	Times this Standard Cited	S&S Count	Elevated Count
42	7609797	10/20/09 01:00 PM	75.1914(f)	104(a)	C	N	U	N	1	M	1		
43	8231485	10/20/09 07:00 PM	75.1403-10(i)	104(a)	C	Y	R	L	8	M	1	7	
44	7522987	10/20/09 07:55 PM	75.370(a)(1)	104(a)	C	N	U	P	7	M	2		
45	8231486	10/20/09 08:10 PM	75.1403	314(b)	S								
46	8231487	10/20/09 08:15 PM	75.1403	314(b)	S								
47	7522988	10/20/09 08:16 PM	72.630(b)	104(a)	C	N	U	P	2	M	1		
48	7522989	10/20/09 08:16 PM	75.370(a)(1)	104(a)	C	N	U	P	1	M	3		
49	8416156	10/20/09 08:30 PM	75.370(a)(1)	104(a)	C	N	U	P	6	M	4		
50	8416157	10/20/09 09:00 PM	75.362(a)(2)	104(a)	C	N	U	P	0	M	1		
51	8231488	10/20/09 11:40 PM	72.630(b)	104(a)	C	N	U	P	2	M	2		
52	8231489	10/21/09 12:30 AM	75.370(a)(1)	104(a)	C	N	U	N	1	L	5		
53	7522991	10/21/09 06:00 AM	75.220(a)(1)	104(d)(1)	O	Y	H	P	19	H	1	8	3
54	7522990	10/21/09 06:00 AM	75.364(b)(5)	104(d)(1)	C	Y	H	P	19	H	1	9	4
55	8463638	10/21/09 07:10 AM	77.208(d)	104(a)	C	N	U	N	1	M	1		
56	8469759	10/21/09 09:55 AM	75.1914(a)	104(a)	C	N	U	L	1	M	1		
57	8469760	10/21/09 09:58 AM	75.1909(d)	104(a)	C	N	U	L	1	M	1		
58	8469761	10/21/09 10:05 AM	75.1714-3(b)	104(a)	C	N	U	L	1	M	1		
59	8469762	10/21/09 10:10 AM	75.1909(a)(3)(iii)	104(a)	C	N	U	L	1	M	1		
60	8469763	10/21/09 10:17 AM	75.1911(b)	104(a)	C	N	U	L	1	M	1		
61	7609798	10/21/09 10:17 AM	75.1910(j)	104(a)	C	N	U	L	1	M	1		
62	7609799	10/21/09 10:20 AM	75.1910(i)	104(a)	C	N	U	L	1	M	1		
63	6687083	10/21/09 10:20 AM	75.1914(a)	104(a)	C	N	U	L	1	M	2		
64	8463273	10/21/09 10:20 AM	75.1909(d)	104(a)	C	N	U	L	1	M	2		
65	8463274	10/21/09 10:30 AM	75.1909(d)	104(a)	C	N	U	L	1	M	3		
66	8463275	10/21/09 10:35 AM	75.1909(a)(3)(iii)	104(a)	C	N	U	L	1	M	2		
67	8463276	10/21/09 10:37 AM	75.1910(j)	104(a)	C	N	U	L	1	M	2		
68	8463277	10/21/09 10:45 AM	75.1910(j)	104(a)	C	N	U	L	1	M	3		
69	8463278	10/21/09 10:50 AM	75.1909(d)	104(a)	C	N	U	L	1	H	4		
70	6687084	10/21/09 11:00 AM	75.512	104(a)	C	N	U	L	1	M	2		
71	6687085	10/21/09 11:15 AM	77.1710(a)	104(a)	C	N	U	L	1	M	1		
72	8463802	10/21/09 11:40 AM	75.1909(d)	104(a)	C	N	U	L	1	M	5		
73	8463634	10/21/09 12:00 PM	75.1909(d)	104(a)	C	N	U	L	1	H	6		
74	8463635	10/21/09 12:00 PM	75.1909(d)	104(a)	C	N	U	L	1	H	7		
75	8463637	10/21/09 12:00 PM	75.1106-5(a)	104(a)	C	N	U	L	1	M	1		
76	8463636	10/21/09 12:10 PM	75.1914(a)	104(a)	C	N	N	N	0	M	3		
77	8469766	10/22/09 08:05 AM	75.364(h)	104(a)	C	N	N	N	0	M	2		
78	6631252	10/22/09 09:55 AM	75.370(a)(1)	104(a)	C	N	U	N	2	M	6		
79	8469767	10/22/09 10:30 AM	75.1910(i)	104(a)	C	N	U	L	1	M	2		
80	8469768	10/22/09 11:00 AM	75.1914(a)	104(a)	C	N	U	L	1	M	4		
81	8469769	10/22/09 11:10 AM	75.1911(i)	104(a)	C	N	U	L	1	M	1		
82	8463280	10/22/09 11:20 AM	72.503(d)	104(a)	C	N	U	L	1	M	1		

Cumulative During Review Period		
Times this Standard Cited	S&S Count	Elevated Count

Issuance	Citation No.	Date/Time Issued	30 CFR	Type Action	Type	S&S	Likelihood	Injury/Illness	Persons Affected	Negligence	Times this Standard Cited	S&S Count	Elevated Count
83	8463282	10/22/09 11:30 AM	75.1914(d)	104(a)	C	N	U	L	1	M	1		
84	8319947	10/22/09 12:05 PM	75.370(a)(1)	104(d)(1)	O	Y	R	P	5	H	7	10	5
85	8463279	10/22/09 12:05 PM	75.351(q)(3)	104(a)	C	N	U	L	1	M	1		
86	8463281	10/22/09 12:25 PM	75.1911(a)	104(a)	C	N	U	L	1	M	1		
87	6631253	10/22/09 12:50 PM	75.370(a)(1)	104(a)	C	N	U	N	1	M	8		
88	8463283	10/22/09 01:00 PM	75.1714-3(e)	104(a)	C	N	U	L	1	L	1		
89	8231490	10/22/09 09:15 PM	75.370(a)(1)	104(a)	C	N	U	N	1	M	9		
90	8416158	10/22/09 10:30 PM	75.370(a)(1)	104(a)	C	N	U	P	6	M	10		
91	8231491	10/23/09 12:05 AM	75.370(a)(1)	104(a)	C	N	U	N	1	L	11		
92	7284370	10/26/09 03:00 PM	70.101	104(a)	C	Y	R	P	5	L	1	11	
93	8463284	11/03/09 10:30 AM	77.404(a)	104(a)	C	N	U	L	1	L	1		
94	8463285	11/04/09 01:30 PM	75.333(h)	104(a)	C	N	U	L	1	L	2		
95	8463287	11/17/09 09:20 AM	75.512	104(a)	C	N	U	L	1	M	3		
96	8463289	11/17/09 01:00 PM	75.380(d)(7)(iv)	104(a)	C	N	U	P	7	H	3		
97	8463290	11/17/09 02:00 PM	75.380(d)(7)(i)	104(a)	C	N	U	P	7	M	1		
98	8463644	11/18/09 07:50 AM	77.1710(g)	104(a)	C	Y	R	L	1	M	1	12	
99	8463645	11/18/09 09:15 AM	75.1403	104(a)	C	N	U	P	1	M	4		
100	8463288	11/18/09 11:15 AM	75.333(c)(1)	104(a)	C	N	U	L	1	M	1		
101	8463293	11/18/09 11:35 AM	77.208(b)	104(a)	C	N	U	L	1	M	1		
102	8463646	11/19/09 07:15 AM	75.360(f)	104(a)	C	N	N	N	0	H	1		
103	8463294	11/19/09 07:35 AM	75.1505(b)	104(a)	C	N	U	P	7	M	1		
104	8463295	11/19/09 09:45 AM	75.202	104(a)	C	N	U	L	1	M	1		
105	8463647	11/19/09 12:45 PM	75.364(b)(1)	104(a)	C	N	U	L	1	L	1		
106	8463656	12/07/09 11:20 AM	75.1403	104(a)	C	N	U	P	1	H	5		
107	8463658	12/13/09 02:55 PM	75.1914(a)	104(a)	C	N	U	L	1	L	5		
108	8463659	12/13/09 02:55 PM	75.1910(g)	104(a)	C	N	U	N	1	L	1		
109	8463714	12/14/09 09:45 AM	77.512	104(a)	C	N	U	N	1	L	1		
110	8463661	12/15/09 07:45 AM	75.360(g)	104(a)	C	N	N	N	0	H	2		
111	8463660	12/15/09 10:45 AM	75.360(f)	104(a)	C	N	N	N	0	H	2		
112	8463716	12/29/09 06:00 PM		103(k)	O								
113	8463717	12/29/09 06:15 PM	50.10	104(a)	C	Y	O	P	1	R	1	13	
114	8463718	12/29/09 06:15 PM	50.12	104(a)	C	N	U	L	1	R	1		
115	8463719	12/31/09 12:05 AM	75.202(a)	104(a)	C	N	U	L	1	M	1		
116	8463720	12/31/09 02:30 AM	75.360(g)	104(a)	C	N	U	L	1	H	3		
117	8463662	01/03/10 10:30 AM		103(k)	O								
118	8463663	01/05/10 03:55 PM	75.202(a)	104(a)	C	N	U	L	1	M	2		
119	8463664	01/12/10 08:30 AM	77.1104	104(a)	C	N	U	L	1	H	1		
120	8463665	01/12/10 08:30 AM	77.1104	104(a)	C	N	U	L	1	M	2		
121	7636886	01/14/10 12:15 PM	75.364(h)	104(a)	C	N	U	L	8	M	3		
122	7636887	01/14/10 05:45 PM	75.334(b)(1)	104(a)	C	Y	R	L	8	M	1	14	
123	7636888	01/15/10 12:50 PM	75.370(a)(1)	104(a)	C	Y	R	L	5	M	12	15	

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During Review
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124	7636889	01/17/10 05:00 PM	75.321(a)(2)	104(a)	C	Y	R	L	2	M	1	16	
125	7636890	01/19/10 09:55 AM	75.334(b)(1)	104(b)	O								6
126	7636891	01/19/10 09:55 AM	75.321(a)(1)	104(d)(2)	O	Y	H	P	2	H	1	17	7
127	8463392	01/25/10 09:41 AM	75.516-2(c)	104(a)	C	N	U	F	1	M	1		
128	8463393	01/25/10 09:45 AM	75.380(d)(7)(iv)	104(a)	C	N	U	L	1	M	4		
129	8463394	01/26/10 09:22 AM	75.334(c)(4)	104(a)	C	N	U	L	7	M	1		
130	6687098	01/26/10 10:00 AM	75.202(a)	104(a)	C	N	U	P	1	M	3		
131	8463666	01/26/10 11:25 AM	75.1725(a)	104(a)	C	Y	R	L	1	M	2	18	
132	8463667	01/26/10 03:15 PM	75.370(a)(1)	104(a)	C	N	U	N	1	M	13		
133	8463733	01/27/10 08:35 AM	77.206	104(a)	C	N	U	L	1	M	1		
134	8463734	01/27/10 09:00 AM	77.1109(a)	104(a)	C	N	U	L	1	M	1		
135	8463395	01/27/10 09:12 AM	75.342(a)(4)	104(a)	C	N	U	L	1	M	1		
136	8463735	01/27/10 09:30 AM	77.904	104(a)	C	N	U	L	1	M	1		
137	8463736	01/27/10 09:30 AM	77.405(b)	104(a)	C	Y	R	F	1	M	1	19	
138	8463396	01/27/10 09:30 AM	75.342(a)(4)	104(a)	C	N	U	L	1	M	2		
139	8463397	01/27/10 10:49 AM	75.351(h)	104(a)	C	N	U	L	1	M	1		
140	8463398	01/27/10 11:03 AM	75.350(a)(2)	104(a)	C	N	U	L	1	M	2		
141	8463399	01/27/10 12:12 PM	75.508-2	104(a)	C	N	N	N	0	M	1		
142	8463400	01/27/10 04:45 PM	75.351(n)	104(a)	C	N	N	N	0	M	1		
143	8463668	02/02/10 09:00 AM	77.1607(b)	104(a)	C	Y	H	L	1	L	1	20	
144	8464202	02/03/10 08:23 AM	49.16(a)(5)	104(a)	C	N	U	L	1	H	1		
145	8464203	02/03/10 09:02 AM	49.16(b)(3)	104(a)	C	N	U	L	0	M	1		
146	8464204	02/03/10 03:00 PM	49.50(b)	104(a)	C	N	N	N	0	H	1		
147	8464205	02/03/10 04:08 PM	49.17(a)	104(d)(2)	O	N	U	L	8	H	1		8
148	8464206	02/03/10 04:09 PM	49.12(b)	104(d)(2)	O	Y	R	F	48	H	1	21	9
149	8463673	02/09/10 07:15 AM	75.360(g)	104(a)	C	N	U	L	8	H	4		
150	6688989	02/09/10 02:00 PM	75.1103-5(f)(2)	104(a)	C	N	N	N	1	H	1		
151	8464208	02/10/10 09:00 AM	75.1914(a)	104(a)	C	N	U	L	4	M	6		
152	8464209	02/10/10 09:10 AM	75.1909(d)	104(a)	C	N	U	L	1	M	8		
153	8464210	02/10/10 10:30 AM	75.1106-3(a)(2)	104(a)	C	N	U	L	1	M	2		
154	8463674	02/10/10 11:25 AM	75.380(d)(7)(vii)	104(a)	C	N	U	F	8	M	1		
155	8464304	03/16/10 07:50 AM		103(k)	O								
156	8464217	03/17/10 09:30 AM	75.350(a)(2)	104(a)	C	N	U	L	1	H	3		
157	8464305	03/17/10 10:25 AM	75.400	104(a)	C	N	U	L	8	H	3		
158	8464306	03/17/10 11:00 AM	75.904	104(a)	C	N	U	N	2	M	2		
159	8464307	03/23/10 09:15 AM	75.904	104(a)	C	N	U	N	1	M	3		
160	8464308	03/23/10 10:15 AM	75.904	104(a)	C	N	U	N	1	M	4		
161	8464218	04/06/10 06:10 AM	77.1710(a)	104(a)	C	Y	R	L	1	M	2	22	
162	8464219	04/06/10 08:35 AM	75.1725(c)	104(a)	C	Y	R	L	1	M	1	23	
163	8464312	04/06/10 09:55 AM	75.380(d)(1)	104(a)	C	Y	R	L	8	M	1	24	
164	8464220	04/06/10 10:26 AM	75.333(h)	104(a)	C	N	U	L	1	M	3		

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165	8463762	04/06/10 11:45 AM	75.400	104(a)	C	Y	R	P	1	M	4	25	
166	8464221	04/06/10 11:54 AM	75.1722(c)	104(a)	C	Y	R	F	1	M	1	26	
167	8463763	04/08/10 08:15 AM	75.1504(d)	104(a)	C	N	U	N	2	M	1		
168	8464316	04/20/10 11:30 AM	75.1712-10	104(a)	C	Y	R	L	7	L	1	27	
169	3562885	04/20/10 01:00 PM	75.1725(c)	104(d)(2)	O	Y	R	P	2	H	2	28	10
170	8463764	04/21/10 09:45 AM	75.370(a)(1)	104(a)	C	N	U	N	3	H	14		
171	8464317	04/21/10 10:30 AM	75.333(b)(1)	104(a)	C	N	U	N	1	M	1		
172	8464228	04/28/10 08:00 AM		103(k)	O								
173	8464229	04/28/10 04:25 PM	75.202(a)	104(a)	C	Y	R	L	1	M	4	29	
174	8464230	04/29/10 08:00 AM	75.333(h)	104(a)	C	N	N	N	0	L	4		
175	8463767	05/04/10 12:30 PM	75.403	104(a)	C	N	U	P	6	M	2		
176	8464321	05/11/10 06:50 AM	75.360(g)	104(a)	C	N	U	N	1	M	5		
177	8464322	05/11/10 07:40 AM	75.360(g)	104(a)	C	N	U	N	1	M	6		
178	8464323	05/11/10 08:30 AM	75.333(c)(3)	104(a)	C	N	U	L	5	M	2		
179	8463774	05/11/10 08:57 AM	77.1109(c)(1)	104(a)	C	N	U	L	1	M	2		
180	8464325	05/11/10 09:25 AM	75.400	104(a)	C	Y	R	P	1	M	5	30	
181	8464326	05/12/10 07:40 AM	75.372(b)	104(a)	C	N	N	N	0	M	1		
182	8464327	05/12/10 10:35 AM	75.503	104(a)	C	N	U	L	6	M	3		
183	8464328	05/12/10 01:45 PM	75.220(a)(1)	104(a)	C	N	U	L	1	M	2		
184	8465017	05/14/10 02:20 PM	70.207(a)	104(a)	C	N	U	L	5	M	2		
185	8464235	05/20/10 07:42 AM	75.360(g)	104(a)	C	N	U	N	0	H	7		
186	8464236	05/20/10 09:14 AM	75.1731(b)	104(a)	C	Y	R	L	6	M	2	31	
187	8464239	05/20/10 09:50 AM	75.400	104(a)	C	Y	R	L	1	H	6	32	
188	8464237	05/20/10 10:57 AM	75.1403	104(a)	C	Y	R	F	1	M	6	33	
189	8464238	05/20/10 11:00 AM	75.1914(a)	104(a)	C	N	U	F	1	M	7		
190	8464240	05/21/10 07:06 AM	75.1909(d)	104(a)	C	N	U	F	1	H	9		
191	8464241	05/21/10 07:19 AM	75.1909(d)	104(a)	C	N	U	F	1	H	10		
192	8464242	05/21/10 07:27 AM	75.1909(d)	104(a)	C	N	U	F	1	H	11		
193	8464243	05/21/10 07:27 AM	75.1914(e)	104(a)	C	N	U	F	1	M	1		
194	8463804	05/21/10 09:00 AM	75.370(a)(1)	104(a)	C	N	U	P	2	M	15		
195	8463805	05/21/10 11:45 AM	75.400	104(a)	C	Y	R	F	8	H	7	34	
196	8463806	05/21/10 01:30 PM	75.362(b)	104(a)	C	Y	R	F	8	H	1	35	
197	8463807	05/22/10 10:30 AM	75.1101-10	104(a)	C	N	U	L	8	M	1		
198	8463777	05/23/10 08:15 AM	75.380(d)(1)	104(a)	C	Y	R	F	1	M	2	36	
199	8463778	05/24/10 08:40 AM	75.380(d)(1)	104(b)	O								11
200	8463780	05/25/10 10:00 AM	77.404(a)	104(a)	C	Y	R	L	1	M	2	37	
201	8463779	05/25/10 10:00 AM	77.205(b)	104(a)	C	Y	R	P	1	M	1	38	
202	8464333	05/27/10 01:05 PM		107(a)	O								12
203	8464334	05/27/10 02:30 PM	75.503	104(a)	C	N	U	L	5	M	4		
204	8464244	06/02/10 09:48 AM	75.380(d)(4)(i)	104(a)	C	N	U	L	1	M	1		
205	8464245	06/02/10 10:55 AM	75.333(c)	104(a)	C	N	U	L	1	M	1		

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206	8465152	06/04/10 02:35 PM	75.372(b)	104(a)	C	N	N	N	1	M	2		
207	8464337	06/08/10 08:20 AM	75.1506(c)(1)	104(d)(2)	O	N	U	F	5	H	1		13
208	8464338	06/09/10 10:50 AM	75.1712-10	104(a)	C	Y	R	L	1	L	2	39	
209	8464339	06/09/10 12:30 PM	75.333(h)	104(a)	C	N	U	L	1	M	5		
210	8463781	06/15/10 11:33 AM	77.400	104(a)	C	Y	R	L	1	M	1	40	
211	8463782	06/15/10 12:48 PM	77.205(b)	104(a)	C	Y	R	L	1	M	2	41	
212	8468060	06/16/10 08:30 AM	75.1914(a)	104(a)	C	Y	O	F	1	M	8	42	
213	8468059	06/16/10 08:30 AM	77.405(b)	104(a)	C	Y	O	F	1	M	2	43	
214	8463810	06/16/10 11:45 AM	75.1907(b)(5)	104(a)	C	N	U	L	1	M	1		
215	8463783	06/22/10 10:43 AM	77.1607(p)	104(a)	C	N	U	L	1	M	1		
216	8464112	06/23/10 08:15 AM	75.384(a)	104(a)	C	Y	R	L	4	M	1	44	
217	8464113	06/23/10 08:45 AM	75.1103-5(a)(1)	104(a)	C	N	U	L	2	M	1		
218	8464344	06/23/10 09:05 AM	75.333(h)	104(a)	C	N	U	N	1	M	6		
219	8464342	06/23/10 09:45 AM	75.202(a)	104(a)	C	Y	R	L	1	M	5	45	
220	8464343	06/23/10 10:05 AM	75.333(c)(2)	104(a)	C	N	U	L	1	M	1		
221	8464341	06/23/10 10:20 AM	75.384(a)	104(a)	C	Y	R	L	1	M	2	46	
222	8464114	06/23/10 10:30 AM	75.202(a)	104(a)	C	Y	R	P	1	M	6	47	
223	8464115	06/23/10 12:00 PM	75.333(c)(3)	104(a)	C	N	U	L	1	M	3		
224	8464346	06/24/10 08:15 AM	75.400	104(a)	C	N	U	L	3	H	8		
225	8464345	06/24/10 08:20 AM	75.370(a)(1)	104(a)	C	N	U	N	1	H	16		
226	8464347	06/24/10 09:20 AM	75.380(d)(1)	104(a)	C	Y	R	L	1	H	4	48	
227	8464118	06/25/10 10:00 AM	75.1909(d)	104(a)	C	N	U	L	1	H	12		
228	8465022	07/08/10 01:30 PM	70.207(a)	104(a)	C	N	U	P	5	L	3		
229	8463790	07/12/10 08:45 AM	75.370(a)(1)	104(a)	C	N	U	L	7	M	17		
230	8464351	07/12/10 10:17 AM	75.333(c)(2)	104(a)	C	N	U	L	1	M	2		
231	8464352	07/12/10 03:00 PM	75.403	104(a)	C	N	U	L	1	M	3		
232	8464354	07/13/10 10:00 AM	47.41(a)	104(a)	C	N	U	L	1	L	1		
233	8464353	07/13/10 11:55 AM	75.333(c)(3)	104(a)	C	N	U	L	1	M	4		
234	8463799	07/27/10 12:15 PM	75.1103-5(a)(1)	104(a)	C	N	U	L	6	L	2		
235	8463800	07/28/10 07:15 AM	77.1110	104(a)	C	N	U	L	1	M	1		
236	8464501	07/28/10 07:20 AM	77.512	104(a)	C	N	U	L	1	M	2		
237	8464502	07/28/10 09:15 AM	77.1109(e)(1)	104(a)	C	N	U	L	1	M	1		
238	8464503	07/28/10 09:30 AM	77.904	104(a)	C	N	U	L	1	L	2		
239	8463811	08/05/10 06:45 AM	75.900-4	104(a)	C	N	U	N	1	L	1		
240	8464504	08/05/10 07:30 AM	75.1910(j)	104(a)	C	N	U	L	1	M	4		
241	8464366	08/05/10 07:50 AM	75.1202-1(b)(3)	104(a)	C	N	U	N	1	H	1		
242	8464363	08/05/10 08:05 AM	75.204(c)(1)	104(a)	C	N	U	L	1	M	1		
243	8464253	08/05/10 08:45 AM	75.333(c)(2)	104(a)	C	N	U	N	1	M	3		
244	8464254	08/05/10 08:57 AM	75.380(d)(1)	104(a)	C	N	U	L	1	M	5		
245	8464362	08/05/10 09:05 AM	75.333(b)(3)	104(a)	C	N	U	L	2	M	2		
246	8464255	08/05/10 09:11 AM	75.380(d)(1)	104(a)	C	Y	R	L	1	M	6	49	

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247	8464364	08/05/10 09:13 AM	75.202(a)	104(a)	C	N	U	L	1	H	7		
248	8464256	08/05/10 09:30 AM	75.333(c)(3)	104(a)	C	N	U	N	1	M	5		
249	8464257	08/05/10 09:45 AM	75.400	104(a)	C	N	U	L	1	H	9		
250	8464258	08/05/10 09:52 AM	75.1101-8(b)	104(a)	C	N	U	L	1	M	1		
251	8464505	08/05/10 10:05 AM	75.202(a)	104(a)	C	Y	R	P	1	M	8	50	
252	8464365	08/05/10 10:05 AM	75.350(a)(2)	104(a)	C	N	U	L	2	L	4		
253	8464260	08/05/10 10:24 AM	75.1722(c)	104(a)	C	Y	R	F	1	H	2	51	
254	8464507	08/05/10 11:00 AM	75.402	104(a)	C	N	U	L	1	M	1		
255	8464367	08/05/10 11:15 AM	75.402	104(a)	C	N	U	L	2	M	2		
256	8464368	08/05/10 11:55 AM	75.380(d)(7)(vi)	104(a)	C	N	U	L	8	M	1		
257	8464261	08/05/10 12:05 PM	75.333(b)(3)	104(a)	C	N	U	L	1	M	3		
258	8464370	08/06/10 05:18 AM	48.7(d)	104(g)(1)	O	Y	R	L	21	M	1	52	14
259	8464259	08/06/10 09:15 AM	75.1107-4(a)(2)(ii)	104(a)	C	Y	R	L	5	H	1	53	
260	8464262	08/06/10 09:45 AM	75.342(a)(4)	104(a)	C	N	U	F	6	M	3		
261	8464508	08/06/10 10:05 AM	75.503	104(a)	C	Y	R	P	6	M	5	54	
262	8464369	08/06/10 10:25 AM	75.517	104(a)	C	N	U	L	1	M	3		
263	8464509	08/06/10 12:48 PM	75.342(a)(4)	104(a)	C	N	U	F	6	M	4		
264	8464510	08/06/10 01:00 PM	75.1916(d)	104(a)	C	N	U	L	3	L	1		
265	8463812	08/06/10 01:00 PM	75.508-2	104(a)	C	N	U	N	1	L	2		
266	8464263	08/06/10 03:05 PM	75.1100-3	104(a)	C	N	U	L	7	M	1		
267	8464264	08/06/10 03:18 PM	75.1910(f)	104(a)	C	N	U	L	7	M	1		
268	8464265	08/06/10 03:28 PM	75.333(c)(3)	104(a)	C	N	U	L	7	M	6		
269	8463813	08/07/10 09:13 AM	75.1910(i)	104(a)	C	N	U	L	1	M	3		
270	8463814	08/07/10 09:30 AM	75.1909(d)	104(a)	C	N	U	L	1	M	13		
271	8463815	08/07/10 10:20 AM	75.1907(b)(5)	104(a)	C	N	U	L	7	M	2		
272	8464511	08/07/10 04:15 PM	75.1730(c)	104(a)	C	N	U	L	1	M	1		
273	8464371	08/07/10 05:00 PM	75.333(c)(2)	104(a)	C	N	U	L	1	M	4		
274	8464512	08/08/10 08:47 AM	77.214(d)	104(a)	C	N	U	L	1	M	1		
275	8464373	08/08/10 09:50 AM	75.512	104(a)	C	N	N	N	1	L	4		
276	8464516	08/08/10 10:20 AM	77.505	104(a)	C	Y	R	F	1	M	1	55	
277	8463816	08/08/10 10:30 AM	75.1100-3	104(a)	C	N	U	L	7	M	2		
278	8464372	08/08/10 10:40 AM	75.202(a)	104(a)	C	Y	R	L	1	L	9	56	
279	8464374	08/08/10 10:50 AM	75.384(a)	104(d)(2)	O	Y	R	L	1	H	3	57	15
280	8464518	08/09/10 09:18 AM	75.352(g)	104(a)	C	N	U	L	1	L	1		
281	8464375	08/09/10 09:45 AM	75.350(d)(3)	104(a)	C	N	U	L	6	M	1		
282	8464519	08/09/10 11:30 AM	75.333(b)(4)	104(a)	C	N	U	L	6	M	1		
283	8464520	08/16/10 10:00 AM	77.1605(b)	104(a)	C	Y	R	P	1	M	1	58	
284	8464521	08/16/10 02:43 PM	77.1607(cc)	104(a)	C	Y	R	P	1	M	1	59	
285	8464523	08/17/10 03:30 PM	75.337(c)(2)	104(a)	C	N	U	L	1	M	1		
286	8464524	08/17/10 03:30 PM	75.337(c)(2)	104(a)	C	N	U	L	1	M	2		

The following abbreviations were used in the spreadsheet:

Type of Issuance

- C Citation
- O Order

Significant and Substantial

- N No
- Y Yes

Likelihood

- N No Likelihood
- U Unlikely
- R Reasonably Likely
- H Highly Likely
- O Occurred

Injury or Illness could reasonably be expected to be

- N No Lost Workdays
- L Lost Workdays or Restricted Duty
- P Permanently Disabling
- F Fatal

Negligence

- N None
- L Low
- M Moderate
- H High
- R Reckless Disregard

The four Type Actions used for Elevated issues

- 104(b) - Failure to abate
- 104(d)(1) and 104(d)(2) - Unwarrantable
- 104(g)(1) - Training
- 107(a) - Imminent Danger