## **ATTACHMENT 2**

## **REFUGE ALTERNATIVES AND REFUGE ALTERNATIVE COMPONENTS**

## **APPROVED UNDER PART 7**

Approval Number	Approval Holder	COMPLETE REFUGE ALTERNATIVE	Date Issued	Description
Number	Approval noticer	ALTERNATIVE	Date Issueu	Description
A CONTRACTOR OF THE CONTRACTOR				
			-	
Approval		BREATHABLE AIR	10000	
Number	Approval Holder	COMPONENT	Date Issued	Description
				Model HBA 100, Alternate
07-LCA110001	Hubble Breathable Air	Breathable Air	05/24/11	Models HBA75&HBA 250
07-LCA120001	Strata Safety Products	Breathable Air	09/20/12	Model BA-MC3635
07   0 4 4 0 0 0 0 0	0, 0, 0, 0, 0	D	05/47/40	FAB Model BA-M1020LC
07-LCA130003	Strata Safety Products	Breathable Air	05/17//13	and BA-M1016LC FAB Model BA-M3636 and
07-LCA130004	Strata Safety Products	Breathable Air	07/12/13	BA-M3630
07-20/100004	Otraca Garcty Froducts	Dieditable All	07/12/10	FAB Model BA-M2630, BA
				M2626, BA-M2624, and BA
07-LCA130005	Strata Safety Products	Breathable Air	07/12/13	M2620
				FAB Model BA-M1616 and
07-LCA130006	Strata Safety Products	Breathable Air	07/12/13	BA-M1610
07-LCA130007	A.L. Lee Corporation	Breathable Air	08/06/13	4042-35BA, Breathable Ai Component
01-LOA 130001	A.L. Lee Corporation	Dreathable All	00/00/13	Model BA-SSC24 and BA-
07-LCA130017	Strata Safety Products	Breathable Air	12/09/13	SSC24-61.75
	Mineshield, LLC			Mineshield 10-Person
	(Transferred to Eagle	La compact our		Complete Breathable Air
07-LCA130020	Shield, LLC)	Breathable Air	12/10/13	Component
				LifeShelter Model 4042-34 4042-30, 4042-26, 4042-22
				4042-18, 4042-14, 4042-16
			1	4042-7, 4042-3, 3236-30
				3236-26, 3236-22, 3236-18
				3236-14, 3236-10, 3236-7
				3236-7, 2428-20, 2428-18
				2428-16, 2428-14, 2428-10
07-LCA130021	ChemBio Shelter, Inc.	Breathable Air	12/09/13	2428-7, and 2428-3
07.1.04.40000	MineARC Systems	Described to At-	04/04/44	M (-100 DA07 04 E05
07-LCA140002	America	Breathable Air	01/24/14	Model CS-BAS7-24-ECB
07-LCA140005	Jack Kennedy Metal Products & Buildings, Inc.	Breathable Air	02/12/14	Model MPRC-H20- 8234.79-FC

	MineShield, LLC(Transferred to Eagle			CF204A Model Refuge
07-LCA130020-1	Shield, LLC)	Breathable Air	05/05/14	Alternatives
	MineShield, LLC(Transferred to Eagle			CF227B Model Refuge
07-LCA130020-2	Shield, LLC)	Breathable Air	05/13/14	Alternatives
	MineShield,			
	LLC(Transferred to Eagle			CF207F Model Refuge
07-LCA130020-3	Shield, LLC)	Breathable Air	05/23/14	Alternatives
	MineShield,			050445 Martal Bar
07-LCA130020-4	LLC(Transferred to Eagle Shield, LLC)	Breathable Air	06/12/14	CF211F Model Refuge Alternatives
07-LCA 130020-4	MineShield,	Dieathable All	00/12/14	Alternatives
	LLC(Transferred to Eagle			CF209A Model Refuge
07-LCA130020-5	Shield, LLC)	Breathable Air	06/19/14	Alternatives
	R.T. Welding &	A SECOND LINE OF THE SECOND SE		
07-LCA140013	Fabrication, Inc.	Breathable Air	07/01/14	Model RTW-BAC-16
	MineShield,			
07.1.0.4.10.000.0	LLC(Transferred to Eagle	D	07/00/44	N-1105000
07-LCA130020-6	Shield, LLC)	Breathable Air	07/08/14	Model CF220
07-LCA140015	Alliance Coal, LLC	Breathable Air	07/10/14	Roots Blower System 15psi
07-LCA 140013	Alliance Coal, LLC	Dieathable All	07/10/14	type Cincinnati Fan System
07-LCA140016	Alliance Coal, LLC	Breathable Air	07/10/14	15psi type
	Jack Kennedy Metal			
07-LCA140005-1	Products & Building, Inc.	Breathable Air	07/18/14	Model MPRC-H20-8235.5-C
	Jack Kennedy Metal			Model MPRC-H16D7155-
07-LCA140005-2	Products & Building, Inc.	Breathable Air	07/18/14	FC
07.1.0.1.1.000.7.0	Jack Kennedy Metal		********	
07-LCA140005-3	Products & Building, Inc.	Breathable Air	07/18/14	Model MPRC-H16-8195-A
07-LCA140005-4	Jack Kennedy Metal Products & Building, Inc.	Breathable Air	07/18/14	Model MPRC-H22D7175- FC
07-LCA 140003-4	MineShield,	Dieathable All	07/10/14	FC
	LLC(Transferred to Eagle			
07-LCA130020-7	Shield, LLC)	Breathable Air	07/25/14	Model AC226
	MineShield,			T .
	LLC(Transferred to Eagle			
07-LCA130020-8	Shield, LLC)	Breathable Air	08/06/14	Model AC206
	MineShield,			
07-LCA130020-9	LLC(Transferred to Eagle Shield, LLC)	Breathable Air	08/20/14	Model AC210
07-LCA 130020-9	MineShield,	Dieathable All	00/20/14	Wodel AC210
	LLC(Transferred to Eagle			
07-LCA130025-9	Shield, LLC)	Breathable Air	08/20/14	Model GM210
	MineShield,			
07-LCA130020-	LLC(Transferred to Eagle		Vi (2222200000	200702000000000000000000000000000000000
10	Shield, LLC)	Breathable Air	08/26/14	Model AC201
07 1 0 4 4 2 0 0 2 0	MineShield,			
07-LCA130020- 11	LLC(Transferred to Eagle Shield, LLC)	Breathable Air	08/29/14	Model AC208
11	BHP Billiton (San-Juan	Dreathable All	00/29/14	IVIOGEI ACZU6
07-LCA140019	Coal Company)	Breathable Air	08/29/14	Model BIP-BAC-01
07-LCA130020-	MineShield,	Di Catriadio All	30/23/14	WIGGOI DIT -D/(O-01
12	LLC(Transferred to Eagle	Breathable Air	09/04/14	Model AC227

	Shield, LLC)			
07-LCA130020- 13	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	09/11/14	Model AC208B
07-LCA130020- 14	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	09/09/14	Model AC207
07-LCA130020- 15	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	10/02/14	Model AC224
07-LCA130020- 16	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	10/21/14	Model AC228
07-LCA140020	Blue Mountain Energy, Inc.	Breathable Air	10/21/14	Model BME-BA-IB-1
07-LCA130020- 17	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	10/23/14	Model AC211
07-LCA130020- 18	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	10/28/14	Model AC216
07-LCA130020- 19	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	10/29/14	Model AC217
07-LCA150001-0	Blue Mountain Energy, Inc.	Breathable Air	01/15/15	Model BME-BA-IC-1
07-LCA150002	Signal Peak Energy, LLC	Breathable Air	09/22/15	Model SPE BA490-0001
Approval Number	Approval Holder	HARMFUL GAS REMOVAL COMPONENT	Date Issued	Description
07-LCA130002	Strata Safety Products	Harmful Gas Removal	03/22/13	FAB Model HGR-MC3635
07-LPA130002	ChemBio Shelter, Inc.	Harmful Gas Removal	04/22/13	CO2 Scrubbing Curtains
07-LCA130008	Strata Safety Products	Harmful Gas Removal	08/06/13	FAB Model HGR-M2630, HGR-M2626, HGR-M2624 and HGR-M2620
07-LCA130009	Strata Safety Products	Harmful Gas Removal	08/06/13	FAB Model HGR-M1020LC and HGR-M1016LC
07-LCA130010	Strata Safety Products	Harmful Gas Removal	08/06/13	FAB Model HGR-M1616 and HGR-M1610
07-LCA130011	Strata Safety Products	Harmful Gas Removal	08/06/13	FAB Model HGR-M3636 and HGR-M3630
07-LCA130012	Strata Safety Products	Harmful Gas Removal	08/06/13	Model Number 4042-34 Harmful Gas Removal Air Component
*				OM-1203K Partial Harmful Gas Removal Air
07-LPA 130003	Micropore Inc.	Harmful Gas Removal	05/17/13	Component Partial Harmful Gas Partial
07-LCA130005	Micropore Inc.	Harmful Gas Removal	08/14/13	Harmful Gas Partial Harmful Gas Partial Removal Component
07-LCA140003	MineArc Systems America	Harmful Gas Removal	03/19/14	Model CS-HGR7-24-ECB

	MineShield,		T	52.007.12.00.225
07-LCA130026-1	LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	05/05/14	CF204A Model Refuge Alternatives
	MineShield,			
	LLC(Transferred to Eagle			CF227B Model Refuge
07-LCA130026-2	Shield, LLC)	Harmful Gas Removal	05/13/14	Alternatives
	MineShield,			
	LLC(Transferred to Eagle			CF207F Model Refuge
07-LCA130026-3	Shield, LLC)	Harmful Gas Removal	05/23/14	Alternatives
	MineShield,			
	LLC(Transferred to Eagle			CF211F Model Refuge
07-LCA130026-4	Shield, LLC)	Harmful Gas Removal	06/12/14	Alternatives
	MineShield,			
	LLC(Transferred to Eagle			CF209A Model Refuge
07-LCA130026-5	Shield, LLC)	Harmful Gas Removal	06/12/14	Alternatives
	R.T. Welding &			
07-LCA140014	Fabrication, Inc.	Harmful Gas Removal	07/01/14	Model RTW-HGRC-16
	MineShield,			
	LLC(Transferred to Eagle			
07-LCA130026-6	Shield, LLC)	Harmful Gas Removal	07/08/14	Model CF220
07.1.04.1.001.1	Jack Kennedy Metal			Model MPRC-H20-8234.79
07-LCA140011	Products & Building, Inc.	Harmful Gas Removal	07/18/14	FC
07   DA440000	Venture Design Services,	H	00/00/44	M-1-1)/D00700D
07-LPA140003	Inc.	Harmful Gas Removal	06/03/14	Model VDS2780B
07   DA440044 4	Jack Kennedy Metal	Hamsful Cas Damand	07/04/44	MadaLMDDO HOO SOOF FO
07-LPA140011-1	Products & Building, Inc.	Harmful Gas Removal	07/24/14	Model MPRC-H20-8235.50
07-LPA140011-2	Jack Kennedy Metal	Harmful Gas Removal	07/24/14	Model MPRC-H16D7155- FC
U/-LPA 140011-2	Products & Building, Inc.	Harmiul Gas Removal	0//24/14	FC
07-LPA140011-3	Jack Kennedy Metal Products & Building, Inc.	Harmful Gas Removal	07/24/14	Model MPRC-H16-8195-A
07-LFA 1400 11-3	Jack Kennedy Metal	Hailliul Gas Kellioval	07724714	Model MPRC-H22D7175-
07-LPA140011-4	Products & Building, Inc.	Harmful Gas Removal	07/24/14	FC
07-27 71-0011-4	Mine Shield,	Haillidi Gas Nellioval	01/24/14	10
	LLC(Transferred to Eagle			
07-LCA130026-7	Shield, LLC)	Harmful Gas Removal	07/25/14	Model HG226
07 207(100020 1	MineShield,	Harring Gao Romovai	01120111	Modernozzo
	LLC(Transferred to Eagle			
07-LCA130026-8	Shield, LLC)	Harmful Gas Removal	08/06/14	Model HG206
	MineShield,			
	LLC(Transferred to Eagle			
07-LCA130026-9	Shield, LLC)	Harmful Gas Removal	08/20/14	Model HG210
	MineShield,			
07-LCA130026-	LLC(Transferred to Eagle			
10	Shield, LLC)	Harmful Gas Removal	08/26/14	Model HG201
	MineShield,	- 15		
07-LCA130026-	LLC(Transferred to Eagle			
11	Shield, LLC)	Harmful Gas Removal	08/29/14	Model HG208
	BHP Billiton (San-Juan			475
07-LCA140018	Coal Company)	Harmful Gas Removal	08/29/14	Model BIP-HGR-01
	MineShield,			
07-LCA130026-	LLC(Transferred to Eagle			
12	Shield, LLC)	Harmful Gas Removal	09/04/14	Model HG227
07-LCA130026-	MineShield,			
13	LLC(Transferred to Eagle	Harmful Gas Removal	09/11/14	Model HG208B

	Shield, LLC)			
07-LCA130026- 14	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	09/17/14	Model HG207
07-LCA130026- 15	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	10/02/14	Model HG224
07-LCA130026- 16	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	10/21/14	Model HG228
07-LCA140021	Blue Mountain Energy, Inc.	Harmful Gas Removal	10/21/14	Model BME-HGR-1
07-LCA130026- 17	MineSheild, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	10/23/14	Model HG211
07-LCA130026- 18	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	10/28/14	Model HG216
07-LCA130026- 19	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	10/29/14	Model HG217

Approval Number	Approval Holder	AIR MONITORING COMPONENT	Date Issued	Description
07-LPA130006	Industrial Scientific Corp.	Air Monitoring Component	09/11/13	MX6/SP6 IBRID Partial Air- Monitoring Component
07-LCA140001	MineARC Systems America	Air Monitoring Component	01/17/14	Model CS-AMC 7
07-LPA140001	Trolex Ltd.	Air Monitoring Component	03/26/14	TX6377 Sentry Partial Air- Monitoring Component
07-LCA140006	Trinity Resources, LLC	Air Monitoring Component	04/08/14	TR03-AM Air Monitoring Component
07-LCA140007	Alliance Coal, LLC	Air Monitoring Component	04/08/14	Model AM-Cincy/Roots Air Monitoring Components
07-LCA130025-1	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	05/05/14	CF204A Model Refuge Alternatives
07-LCA130025-2	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	05/13/14	CF227B Model Refuge Alternatives
07-LCA130025-3	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	05/23/14	CF207F Model Refuge Alternatives
07-LCA130025-4	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	06/12/14	CF211F Model Refuge Alternatives
07-LCA130025-5	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	06/19/14	CF209A Model Refuge Alternatives
07-LCA140010	R.T. Welding & Fabrication, Inc.	Air Monitoring Component	06/27/14	Model RTW-RA-AMC

Approval Number	Approval Holder	STRUCTURAL COMPONENT	Date Issued	Description
07-LCA130016-2	Strata Safety Products	Air Monitoring Component	11/04/14	Model AM101
07-LCA130025- 19	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	10/29/14	Model GM217
07-LCA130025- 18	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	10/28/14	Model GM216
07-LCA130025- 17	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	10/23/14	Model GM211
07-LCA140022	Blue Mountin Energy, Inc.	Air Monitoring Component	10/21/14	Model BME-AM-1
07-LCA130025- 16	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	10/21/14	Model GM228
07-LCA130025- 15	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	10/02/14	Model GM224
07-LCA130025- 14	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	09/17/14	Model GM207
07-LPA140004	Venture Design Services	Air Monitoring Component	09/09/14	Model VDS2758
07-LCA130025- 13	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	09/11/14	Model GM208B
07-LCA130025- 12	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	09/04/14	Model GM227
07-LCA140017	BHP Billiton	Air Monitoring Component	08/29/14	Model BIP-AMC-01
07-LCA130025- 11	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	08/29/14	Model GM208
07-LCA130025- 10	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	08/26/14	Model GM201
07-LCA130025-9	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	08/20/14	Model GM210
07-LCA130025-8	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	08/20/14	Model GM206
07-LCA130025-7	MineShield, LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	07/25/14	Model GM226
07-LCA140012	Jack Kennedy Metal Products & Building, Inc.	Air Monitoring Component	07/18/14	Model MPRC-AM1
07-LCA130025-6	LLC(Transferred to Eagle Shield, LLC)	Air Monitoring Component	07/08/14	Model CF220