

ATTACHMENT 2

AB 79-COMM-17-2

REFUGE ALTERNATIVES AND REFUGE ALTERNATIVE COMPONENTS

APPROVED UNDER PART 7

Approval Number	Approval Holder	COMPLETE REFUGE ALTERNATIVE	Date Issued	Description
Approval Number	Approval Holder	BREATHABLE AIR COMPONENT	Date Issued	Description
07-LCA110001	Hubble Breathable Air	Breathable Air	05/24/11	Model HBA 100, Alternate Models HBA75&HBA 250
07-LCA120001	Strata Safety Products	Breathable Air	09/20/12	Model BA-MC3635
07-LCA130003	Strata Safety Products	Breathable Air	05/17//13	FAB Model BA-M1020LC and BA-M1016LC
07-LCA130004	Strata Safety Products	Breathable Air	07/12/13	FAB Model BA-M3636 and BA-M3630
07-LCA130005	Strata Safety Products	Breathable Air	07/12/13	FAB Model BA-M2630, BA-M2626, BA-M2624, and BA-M2620
07-LCA130006	Strata Safety Products	Breathable Air	07/12/13	FAB Model BA-M1616 and BA-M1610
07-LCA130007	A.L. Lee Corporation	Breathable Air	08/06/13	4042-35BA, Breathable Air Component
07-LCA130017	Strata Safety Products	Breathable Air	12/09/13	Model BA-SSC24 and BA-SSC24-61.75
07-LCA130020	Mineshield, LLC (Transferred to Eagle Shield, LLC)	Breathable Air	12/10/13	Mineshield 10-Person Complete Breathable Air Component
07-LCA130021	ChemBio Shelter, Inc.	Breathable Air	12/09/13	LifeShelter Model 4042-34, 4042-30, 4042-26, 4042-22, 4042-18, 4042-14, 4042-10, 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, 2428-7, and 2428-3
07-LCA140002	MineARC Systems 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

07-LCA130020-1	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	05/05/14	CF204A Model Refuge Alternatives
07-LCA130020-2	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	05/13/14	CF227B Model Refuge Alternatives
07-LCA130020-3	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	05/23/14	CF207F Model Refuge Alternatives
07-LCA130020-4	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	06/12/14	CF211F Model Refuge Alternatives
07-LCA130020-5	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	06/19/14	CF209A Model Refuge Alternatives
07-LCA140013	R.T. Welding & Fabrication, Inc.	Breathable Air	07/01/14	Model RTW-BAC-16
07-LCA130020-6	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	07/08/14	Model CF220
07-LCA140015	Alliance Coal, LLC	Breathable Air	07/10/14	Roots Blower System 15psi type
07-LCA140016	Alliance Coal, LLC	Breathable Air	07/10/14	Cincinnati Fan System 15psi type
07-LCA140005-1	Jack Kennedy Metal Products & Building, Inc.	Breathable Air	07/18/14	Model MPRC-H20-8235.5-C
07-LCA140005-2	Jack Kennedy Metal Products & Building, Inc.	Breathable Air	07/18/14	Model MPRC-H16D7155-FC
07-LCA140005-3	Jack Kennedy Metal 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-LCA130020-7	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	07/25/14	Model AC226
07-LCA130020-8	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	08/06/14	Model AC206
07-LCA130020-9	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	08/20/14	Model AC210
07-LCA130025-9	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	08/20/14	Model GM210
07-LCA130020-10	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	08/26/14	Model AC201
07-LCA130020-11	MineShield, LLC(Transferred to Eagle Shield, LLC)	Breathable Air	08/29/14	Model AC208
07-LCA140019	BHP Billiton (San-Juan Coal Company)	Breathable Air	08/29/14	Model BIP-BAC-01
07-LCA130020-12	MineShield, 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
07-LPA 130003	Micropore Inc.	Harmful Gas Removal	05/17/13	OM-1203K Partial Harmful Gas Removal Air Component
07-LCA130005	Micropore Inc.	Harmful Gas Removal	08/14/13	Partial Harmful Gas Partial Harmful Gas Partial Removal Component
07-LCA140003	MineArc Systems America	Harmful Gas Removal	03/19/14	Model CS-HGR7-24-ECB

07-LCA130026-1	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	05/05/14	CF204A Model Refuge Alternatives
07-LCA130026-2	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	05/13/14	CF227B Model Refuge Alternatives
07-LCA130026-3	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	05/23/14	CF207F Model Refuge Alternatives
07-LCA130026-4	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	06/12/14	CF211F Model Refuge Alternatives
07-LCA130026-5	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	06/12/14	CF209A Model Refuge Alternatives
07-LCA140014	R.T. Welding & Fabrication, Inc.	Harmful Gas Removal	07/01/14	Model RTW-HGRC-16
07-LCA130026-6	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	07/08/14	Model CF220
07-LCA140011	Jack Kennedy Metal Products & Building, Inc.	Harmful Gas Removal	07/18/14	Model MPRC-H20-8234.79-FC
07-LPA140003	Venture Design Services, Inc.	Harmful Gas Removal	06/03/14	Model VDS2780B
07-LPA140011-1	Jack Kennedy Metal Products & Building, Inc.	Harmful Gas Removal	07/24/14	Model MPRC-H20-8235.5C
07-LPA140011-2	Jack Kennedy Metal Products & Building, Inc.	Harmful Gas Removal	07/24/14	Model MPRC-H16D7155-FC
07-LPA140011-3	Jack Kennedy Metal Products & Building, Inc.	Harmful Gas Removal	07/24/14	Model MPRC-H16-8195-A
07-LPA140011-4	Jack Kennedy Metal Products & Building, Inc.	Harmful Gas Removal	07/24/14	Model MPRC-H22D7175-FC
07-LCA130026-7	Mine Shield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	07/25/14	Model HG226
07-LCA130026-8	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	08/06/14	Model HG206
07-LCA130026-9	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	08/20/14	Model HG210
07-LCA130026-10	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	08/26/14	Model HG201
07-LCA130026-11	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	08/29/14	Model HG208
07-LCA140018	BHP Billiton (San-Juan Coal Company)	Harmful Gas Removal	08/29/14	Model BIP-HGR-01
07-LCA130026-12	MineShield, LLC(Transferred to Eagle Shield, LLC)	Harmful Gas Removal	09/04/14	Model HG227
07-LCA130026-13	MineShield, 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	MineShield, 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	Troxel 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

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