

OFFICE OF THE  
ARIZONA STATE MINE INSPECTOR

JOE HART



ONE-HUNDREDTH  
ANNUAL REPORT  
for the  
CALENDAR YEAR 2011

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ANNUAL MESSAGE FROM  
JOE HART  
ARIZONA STATE MINE INSPECTOR



The Mission of this agency is to ensure the health and safety of people working at mines, coordinate the closure of abandoned mines on state and private land posing a threat to public health and safety, and to ensure that lands used for mining are properly reclaimed for public use once mining is completed.

The State Mine Inspector is a statewide elected constitutional officer and the director of the Office of the State Mine Inspector. The Office of the State Mine Inspector was established by the Constitution of the State of Arizona, Article XIX. This agency enforces statutes, rules, and regulations applicable to mine safety, health, and land reclamation under ARS Title 27 Minerals, Oil and Gas and Arizona Administrative Code Title 11 - Mining.

The agency helps ensure miner safety by inspecting work conditions and practices at active mining operations; investigating mine accidents, employee and public complaints about mine safety; and by conducting federally certified miner and instructor safety training. To protect the public against the dangers of abandoned mines, the agency investigates and inventories abandoned mine sites, evaluates their threat to public health and safety, coordinates securing or closure of those that are found to be dangerous, and promotes public safety regarding abandoned mines by "Stay Out Stay Alive" promotions, presentations and publications; complaint investigations and mine owner ARS 27-318 compliance notifications. Finally, the agency administers reclamation plans and assurances by enforcing the Mined Land Reclamation laws, rules and regulations for the restoration of disturbed lands to a safe and stable environmental condition.

## Program Summary

- The Arizona State Mine Inspector's (ASMI) Mine Safety Enforcement Program regulated a total of 884 Health & Safety Mines and Contractors during 2011; 598 of the mining operations and 52 of the contractors were inspected which resulted in a 91% inspection rate for the mines and a 22% inspection rate for the contractors on the mine sites. The Arizona Revised Statutes 27-124 requires all active mines be inspected annually. The agencies goal is to have Zero Fatalities and Zero Accidents at Arizona Mines. In 2010, two fatal accidents to miners; one at Asarco Ray Mine and a construction worker was fatally injured while working on a project for Freeport McMoRan Copper, was reported and investigated by the Arizona State Mine Inspector. Arizona NFDL (non fatal days lost time) rate was 1.8 per 200,000 hours of work and the National NFDL rate was 1.8 per 200,000 hours of work. The Inspections department issued 585 notices of violations; no cessation orders were required during 2010. ASMI Inspector's investigated 18 employee and citizen complaints, issued 33 mine elevator operating permits and 80 underground diesel equipment operating permits. Mine operations under ASMI's jurisdiction include asphalt hot plants and concrete batch plants on mine properties, aggregate and decorative rock operations, quarries and processing plants; underground and open pit mines, mills, solvent extraction-electro winning plants, smelters, refineries, and rod plants. ASMI also inspects contractor's working at mine sites.
- The Education and Training Program certifies MSHA instructors, develops lesson plans, conducts classes, and organizes safety conferences for mine safety education and training. The emphasis is placed on miner's rights and current health and safety regulations in compliance with the Federal Mine Safety and Health Act of 1977, Title 30 CFR, Part 46, 47, 48, 49, 56, 57, 58 and 62.

In addition, mine company employees, contractors, vendors and others who are regularly exposed to mine hazards at mine properties are required to have various levels of training provided by the Education and Training division. During 2011, 3691 certificates were issued to mine workers and contractors for completion of safety courses.

- The Abandoned Mines Safety Program efforts fall into two categories; the inventory of abandoned mine sites and the administration of the securing, remediation, and closure of abandoned mines. Field surveys locate mines within the 72,931,840 acres that comprise the State of Arizona. This survey records the exact location of abandoned mines using a global positioning satellite system. The inventory's objective is to produce an accurate count of abandoned mines, and describe the significant safety hazards and potential environmental hazards occurring with them. About 10,000 abandoned mines have been inventoried since the program was initiated in the early 1990's and over 3725 of these have been evaluated and assessed for the risks they may pose. The database of surveyed abandoned mines is used to provide for the prioritization of significant public and environmental hazards for remediation and reclamation planning. The inventory also allows the

agency to accurately investigate public concerns and complaints, about abandoned mines in a timely manner. An abandoned mine might be a risk to public health and safety, but also may be used for criminal activities. The program assists law enforcement investigations of any known or suspected criminal activity. The administration of securing abandoned mines first prioritizes sites listed in the inventory based on the severity of the threat posed to public and environmental safety. Through this prioritization, structures are designed as necessary for abandoned mine closures on state lands. The cost of field construction work to secure these mines is provided the Abandoned Mine Safety Fund through mining industry donations, private citizen donations, and a matching appropriation from the legislature. The program performs regular monitoring to assure mine closures remain in good condition. The program coordinates identifying and securing abandoned mines with local, state, and federal agencies as well as other states and volunteer groups. Groups include the Yuma County Sheriff's Search and Rescue Group, the Maricopa County Sheriff's Office Mountain Search and Rescue Group, Arizona Department of Mines and Mineral Resources, Maricopa County Parks, Arizona State Land Department, Arizona Game and Fish, Arizona State Historic Preservation Office, Arizona Department of Environmental Quality, Department of Labor Mine Safety and Health Administration, Bureau of Land Management, Forest Service, Environmental Protection Agency, Western Governors Association, and the National Association of Abandoned Mined Land Programs, which is comprised of 27 states and three Indian Tribes.

- The Mined Land Reclamation Program approves or rejects mine reclamation plans and financial assurance mechanisms submitted by all metalliferous mining units, aggregate mine operations, and exploration operations with surface disturbances greater than five acres. Beginning January 2007, aggregate mining operators were required to submit reclamation plans for the first time, increasing the workload in this area by over 250 plans. Annual report submittals and reviews along with on-site inspections of the regulated mines are a part of the continual monitoring process to establish compliance to the Mined Land Reclamation laws, rules and regulations. These inspections will be coordinated with health and safety inspections to ensure an efficient and effective inspection program, working in cooperation with mining companies, consultants, and other state and federal governmental agencies,

Our team of experienced mine safety professionals strive to continually improve programs and services of the Agency so Arizona will be not only a leader in mining production, but in SAFE PRODUCTION as well.

## MINE SAFETY ENFORCEMENT

During the calendar year of 2011, the inspection team performed 650 health and safety inspections, which identified 585 violations of the mining code for corrective actions by the mine operators. No Cessation Orders were issued to mine operators in 2011.

<b>Types of Operations</b>	<b>No. of Inspections</b>	<b>No. of Violations</b>	<b>Average No. of Employees</b>	<b>No. of Mines &amp; (Listed Contractors)</b>
Surface Metal Mines, Mills, SX-EW Plants, Smelters, and Refineries	111	166	8161	62
Rock Products, Sand & Gravel, Pits, Quarries, Batch and Hot Plants	456	355	1827	578
Underground Mines	31	33	263	15
<b>Contractor Totals</b>	52	31	Not Required	(229)
<b>Mine Totals</b>				655
<b>TOTALS</b>	<b>650</b>	<b>585</b>	<b>10,251</b>	<b>884</b>

In addition to mine safety and health inspections, ASMI investigated complaints related to safety and health issues in mines and performed inspections of underground diesel equipment, elevators, and new electrical equipment installed in mines where permits are required.

- Annual Elevator Inspections with Permits Issued 33
- Underground Diesel Equipment with Permits Issued 80
- Citizen Complaints Investigated 7
- Employee Complaints Investigated 6
- Interagency Complaints from referrals 5
- Electrical Equipment Installations 4
- Cessation Orders Issued 0

Combined efforts of mine operators with the agency's mine safety enforcement, education, and training programs provide significant tools to reduce and control the accident frequency for Arizona's mining industry. Incident rates from U.S. Department of Labor reports for NFDL (non fatal days lost time) accidents for metal, non metal, sand and gravel mines, and mills are shown in the table below. Incident rate is the number of NFDL accidents per 200,000 employee-hours worked.

<b>LTIR / NFDL</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
National Accident Incidence Rate	2.4	2.3	2.0	1.9	1.8
Arizona Accident Incidence Rate	3.0	3.0	2.2	1.9	1.8

**LOST TIME ACCIDENTS IN 2011**

<b>Type</b>	<b>Company</b>	<b>Mine</b>	<b>LT Accidents</b>
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**Overexertion**

Asarco, Inc.	Hayden Concentrator	1
Asarco, Inc.	Hayden Smelter	2
Asarco, Inc.	Ray	1
Freeport McMoran	Bagdad	2
Freeport McMoran	Sierrita	1
Mineral Park Inc.	Mineral Park	1
Salt River Materials	Clarkdale	1

**Struck By or Against**

Asarco, Inc.	Ray	3
Asarco, Inc.	Mission	1
Bonanza Explorations	Copperstone	1
Freeport McMoran	Miami	1
Freeport McMoran	Morenci	1
Freeport McMoran	Sierrita	3
Mineral Park Inc.	Mineral Park	1
Mojave Desert	Oatman	1

### Contact With or By

Asarco, Inc.	Hayden Smelter	1
Asarco, Inc.	Ray	3
Freeport McMoran	Bagdad	2
Freeport McMoran	Miami	1
Freeport McMoran	Morenci	8
Mineral Park Inc.	Mineral Park	4

### Caught On or In or Between

Asarco, Inc.	Ray	1
Asarco, Inc.	Hayden Smelter	1
Freeport McMoran	Bagdad	1
Freeport McMoran	Morenci	6
Mineral Park Inc.	Mineral Park	1
Mojave Desert	Oatman	1

### Fall from the Same Level or Below

Asarco, Inc.	Hayden Concentrator	2
Asarco, Inc.	Ray	9
Freeport McMoran	Bagdad	1
Freeport McMoran	Morenci	3
Freeport McMoran	Miami	1
Mineral Park Inc.	Mineral Park	1

### Exposure or Occupational Illness

Asarco, Inc.	Hayden Smelter	1
Freeport McMoran	Morenci	2
Freeport McMoran	Bagdad	1
Freeport McMoran	Sierrita	1

### FATAL ACCIDENTS

In 2011, one fatal accident at an active mine was reported and investigated by the Arizona State Mine Inspector's Office.

On October 28, 2011 at 11:11am. Mr. Darrel Miller, a 72 year old single male from Kingman Arizona was seriously injured while employed for the Desert Construction

Company located in Kingman, Arizona. Mr. Miller is employed as a Pit Supervisor with approximately five years of service to Desert Construction and forty plus years of mining experience.

The serious injury occurred at the Hualapai Asphalt Plant. Mr. Miller had finished production and was cleaning the inside of the drum through the paddle access door. Mr. Miller was spraying diesel fuel onto the paddles when the fuel ignited. Mr. Miller received second and third degree burns to hands, right arm, chest and head. Mr. Miller was transported to the Kingman Regional Hospital for treatment, then air transported to the UMC Las Vegas Burn Unit. Mr. Miller passes away five days later.

## 2011 Operating Mines by County and Statewide

The following pages contain operating mines, plants, smelters and contractors considered active in 2011. These figures represent some 884 operating units with over 10,251 workers.

### Registered Mining Companies by County and type

<b>Apache</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	Apache County Engineering	Concho Gravel Pit	Aggregate Plant	Aggregates
	Apache County Engineering	Stanford Pit	Cinders	Cinders
	Apache County Engineering	Davis Pit	Open Pit Mine	Aggregates
	Arizona Silica Sand Co.	Houck Operations	Open Pit Mine	Sand, Industrial
	C & C Cinders	C & C Cinders	Cinders	Cinders
	Hall n Aggregate Trucking & Materials	Hall Pit	Aggregate Plant	Sand & Gravel
	Highland Trucking & Excavation	Highland Pit	Aggregate Plant	Aggregates
	Sug Rogers Construction LLC	Dump Pit # 2	Surface	Aggregates
	Town of Eager	Eager Cinder Pit	Cinders	Cinders
	White Mountain Rock Products	Barth Pit	Aggregate Plant	Aggregates
	White Mountain Rock Products	Richville Pit	Aggregate Plant	Aggregates

<b>Cochise</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	American Rock Products LLC DBA JC Rock\ Formerly JC Rock, LLC	Johnson CAMP MINE	Open Pit Mine	Rip/Rap

Cantera Materials fka Huachuca Concrete, Inc. dba AzConAgg	Kino Batch Plant	Batch Plant	Concrete
Cantera Materials fka. Huachuca Concrete, Inc. dba AzConAgg	Kino Pit	Aggregate Plant	Sand & Gravel
Cemex USA	Plant 229 Sierra Vista	Batch Plant	Concrete
Cemex USA	Plant 229 Sierra Vista	Aggregate Plant	Aggregates
City of Bisbee	Copper Queen Mine Tour	Mine Tour	
Combs Materials, LLC. fka Sierra Materials LLC. aka Vista Materials	Sierra / Vista Pit	Aggregate Plant	
Copreco LLC.	Copreco LLC.	Bio Sulfide Plant	Copper
Cross Spear Limestone LLC. fka Cross Spear Marble, Inc.	Cross Spear Pit	Quarry	Marble
Empire Homes, Inc.	Maya Pit	Surface	Sand & Gravel
Freeport McMoran Copper & Gold Bisbee	Copper Queen	Reclamation	Copper
Golder Fame (USA) Inc.	Gold Ridge (Gold Prince)	Exploration	Gold
Granite Construction Company	Babocomari Pit	Aggregate Plant	Sand & Gravel
Granite Construction Company	Babocomari Asphalt Plant	Asphalt Plant	Asphalt
Huachuca Concrete, Inc. dba AzConAgg	Ocotillo Batch Plant	Batch Plant	Concrete
Huachuca Concrete, Inc. dba AzConAgg	Ocotillo Pit	Aggregate Plant	Aggregates
Klump Ranches LLC	Luzena Quarry	Aggregate Plant	
Lhoist North America dba Chemical Lime Company of Az	Douglas Plant	Quarry	Lime
Maddux & Sons, Inc.	Leslie Canyon Plant	Aggregate Plant	Aggregates
Maddux & Sons, Inc.	Snure Pit	Aggregate Plant	Aggregates
Maddux & Sons, Inc.	Leslie Canyon Batch Plant	Aggregate Plant	Aggregates
Maddux & Sons, Inc.	Bingham Pit	Aggregate Plant	Aggregates
Nord Resources Corp.	Johnson CAMP MINE	SX-EW Plant	COPPER
Oremus Materials Inc.	Oremus Huachuca		Concrete
Prospectors 3 LLC	Prospector 3	Surface	Gold & Silver
Samohit Rock & Sand, LLC / Oldcastle Architectural Products dba Young Block	Samohit Rock & Sand	Aggregate Plant	Aggregates
Strong Hold Redi-Mix	Grim	Wash Plant	Sand & Gravel
Strong Hold Redi-Mix	Grim	Batch Plant	Concrete
Texas Canyon Rock & Sand	Texas Canyon Rock & Sand	Aggregate Plant	Aggregates
Tombstone Materials Inc.	Emerald Pit	Aggregate Plant	Aggregates

UOP Molecular Sieve	Bowie Operation	Open Pit Mine	Chabazite Clay
Willcox Rock & Sand	Riggs Pit	Aggregate Plant	Sand & Gravel
Willcox Rock & Sand	Riggs Pit	Batch Plant	Concrete

Coconino	Company	Mine / Plant Name	Type	Product
	A-Rock	Grey Mountain Pit	Aggregate Plant	Sand & Gravel
	Alberto Ayala Company	Ayala Blue Bird	Quarry	Flagstone
	Allen Grantham	Grantham Pit	Cinders	Cinders
	Arizona Tufflite, Inc.	White Vulcan & More Sand Mines	Open Pit Mine	Pumice
	Blaser Corp. dba American Sandstone aka Cornerstone Materials LLC	Golden Buckskin-Drake		Sandstone
	Canipe Trucking	Blue Bird	Surface	Flagstone
	Cemex FKA-(Rinker Materials)	Sheep Hill	Open Pit Mine	Cinders
	Cemex USA	Plant # 337 / Gray Mountain	Aggregate Plant	Aggregates
	Cemex USA	UM Plant # 336 Sunset Crater-McCormick	Aggregate Plant	Sand & Gravel
	Coconino Cinders Sales	Wildcat Hill Pit	Open Pit Mine	Cinders
	Coconino County Public Works	Sheep Hill	Open Pit Mine	Cinders
	Cornerstone Materials LLC	Mills Quarry	Quarry	
	Drake Stone	Diamond 7 Red	Quarry	Flagstone
	Drake Stone	Diamond 7 Oak	Quarry	Flagstone
	Dunbar Stone	Roeder Quarry / Redbird Quarry / Billy 1&2	Quarry	Flagstone
	Dunbar Stone	Armstrong Rose	Quarry	Flagstone
	Dunbar Stone	Yellow Buck Quarry-Ash Fork	Quarry	Flagstone
	Dunbar Stone	Antolini Red Quarry-Ash Fork	Quarry	Flagstone
	Dunbar Stone	Blue Moon/Mattahorn		Flagstone
	Dunbar Stone	Corva Canyon	Sandstone	Flagstone
	Dunbar Stone	Straight Arrow	Sandstone	Flagstone
	Dunbar Stone	Yellow Wasp	Sandstone	Flagstone
	Espee Cinder Pit	Perrin Pit	Quarry	Cinders
	Fann dba Q-Max Co.	Red Lake Quarry	Aggregate Plant	Sand & Gravel
	Flagstaff Concrete Products, LLC.	Fisher Pit 1A & A1	Open Pit Mine	Sand & Gravel
	Hammond Wholesale Flagstone	Hammond Oak / Buff	Quarry	Flagstone
	Hammond Wholesale Flagstone	Hammond Stone Mountain Quarry	Quarry	Flagstone
	Harley Gray Stone	Appletree Quarries- Drake	Quarry	Flagstone

Harley Gray Stone	Oak Quarry	Quarry	Flagstone
Howard Gray Stone	Million \$ Buff formerly Peach Quarry	Quarry	Flagstone
LP's Excavating formerly Olson Brothers / Williams Cinders	LP's Cinders	Quarry	Cinders
Miller Mining	Miller Pit	Open Pit Mine	Cinders
Northern Arizona Materials (formerly Az. Pacific Materials)	Brothers Mine	Open Pit Mine	Cinders
Pryor Clinger Properties, LLC (Flagstaff Concrete Products, LLC)	Kincanon One Pit	Open Pit Mine	Sand & Gravel
Recyclable Resources Inc.	Monterola Quarry	Surface	Aggregates
Red Pit Inc. Formerly known as Flagstaff Landscape Products	Red Pit	Open Pit Mine	Cinders
Star Stone Quarries aka American Stone	Crookton / Stone Mountain	Quarry	Flagstone
Stoneworld	Classic Oak Quarry-Ash Fork	Quarry	Flagstone
Stoneworld	Lizard Group	Quarry	Flagstone
Stoneworld	JR Rosa Quarry-Ash Fork	Quarry	Flagstone
Superlite Block	Darling/Winona	Open Pit Mine	Cinders

<b>Gila</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	ASARCO, Inc.	ASARCO Mine Hayden	Surface	Sand & Gravel
	ASARCO, Inc.	Hayden Concentrator	Mill	Copper
	ASARCO, Inc.	Hayden Smelter	Smelter	Copper
	BHP Copper, Inc.	Pinto Valley / Miami Operations	SX-EW Plant	Copper
	Cemex	Globe Plant 601	Aggregate Plant	Aggregates
	Cemex	Globe Plant # 601 / Nugget Pit	Aggregate Plant	Sand & Gravel
	Cemex	Globe Batch Plant 601	Batch Plant	Concrete
	Cemex	Globe Hot Plant 601	Hot Plant	Asphalt
	Freeport McMoran Copper & Gold Miami	Rod Plant	Rod Plant	Copper
	Freeport McMoran Copper & Gold Miami	Smelter	Smelter	Copper
	Freeport McMoran Miami, Inc.	Mine, SX/Tankhouse	SX-EW Plant	Copper
	Gila Concrete LLC, formerly, Gila Redi-Mix, Goat Creek Mining	Slate Creek Pit	Aggregate Plant	Granite/Decorative Stone
		Goat Creek Star Valley	Aggregate Plant	Granite/Decorative Stone
	Hunt Materials	Hunt Pit	Aggregate Plant	Aggregates
	Hunt Materials	Young Batch Plant	Batch Plant	Concrete
	Payson Concrete & Materials	Red Select Quarry aka Pine Quarry	Aggregate Plant	Aggregates
	Payson Concrete & Materials	Payson Plant	Aggregate Plant	Aggregates
	Payson Concrete &	Tonto Basin Pit	Aggregate	Aggregates

Materials			Plant	
Payson Concrete & Materials	Tonto Basin Batch Plant		Batch Plant	Concrete
Payson Concrete & Materials	Payson Batch Plant		Batch Plant	Concrete
Payson Concrete & Materials	Payson Hot Plant		Hot Plant	Asphalt
Quadra FNX Mining LTD. formerly Carlota Copper Company.	Carlota Copper Company		Surface	Copper
R & H Boulders	R & H Mine		Screening Plant	Granite/Decorative Stone
Star Valley Granite	Star Valley Granite		Aggregate Plant	Granite/Decorative Stone
Yellow Hair Trading & Mining	Sleeping Beauty on the BHP Copper Cities Operation		Open Pit Mine	Gemstones

<b>Graham</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	CKC Construction	Airport Pit	Aggregate Plant	Sand & Gravel
	CKC Construction	Airport Batch Plant	Batch Plant	Concrete
	CKC Construction	Airport Hot Plant	Hot Plant	Asphalt
	Freeport McMoran Copper & Gold Safford	FMI Safford Operations	Surface	
	J. T. S. Construction Inc.	Daley Pit	Aggregate Plant	Sand & Gravel
	Korwin Inc.	ONE TRACK	Open Pit Mine	
	Matthewsville Sand & Gravel	Rowley Lone	Aggregate Plant	
	Roadrunner Ready Mix, Inc.		Concrete & Gravel	
	Smith & Bell Construction	Graham Pit	Aggregate Plant	Sand & Gravel
	Smith & Bell Construction	Graham Batch Plant	Batch Plant	Concrete
	Tri County Materials	Morris Pit # 1	Aggregate Plant	Aggregates
	Tri County Materials	Morris Pit #1	Hot Plant	Asphalt
	Tri County Materials	Safford Batch Plant	Batch Plant	Concrete

<b>Greenlee</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	Freeport McMoran Copper & Gold Morenci	Morenci Hydro-Met SXEW	Open Pit Mine	Copper
	Freeport McMoran Copper & Gold	Morenci Mine	Open Pit Mine	Copper

Morenci				
Oakcreek Sand & Gravel	Old Virden Highway Pit	Aggregate Plant	Aggregates	
Greenlee County	Virden Pit	Aggregate Plant	Sand & Gravel	

<b>La Paz</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	American Bonanza Gold Corp	Copperstone Mine	Underground Mine	Gold
	Dobbins & Dobbins	Dobbins	Open Pit Mine	Aggregates
	Golconda Mine, LLC	Golconda Mine	Underground Mine	Gold
	La Paz County Public Works	Vicksburg Pit	Aggregate Plant	Aggregates
	La Paz County Public Works	Cibola Pit	Aggregate Plant	Aggregates
	Mineral Aggregate Recycling Service	Ehrenberg Pit	Aggregate Plant	Aggregates
	Murphy Landscaping dba Rio Del Monte Mine	Rio Del Monte Mine	Aggregate Plant	Decorative Stone
	Pioneer Landscaping Materials, Inc. dba Pioneer Sand Co.	Quartzsite Pit	Aggregate Plant	Decorative Stone
	Plomosa Placers LLC	Gold Rock	Placer	Gold
	PWC Pilot West Corp fka Double J Sand & Rock	Double J	Aggregate Plant	Aggregates
	PWC Pilot West Corp fka Double J Sand & Rock	Batch Plant	Batch Plant	Concrete
	PWC Pilot West Corp fka Double J Sand & Rock	Hot Plant	Hot Plant	Asphalt
	Q Mountain Rock & Sand	Q-Mountain	Aggregate Plant	Sand & Gravel
	Sunset Marble Company, LLC.	Copper Chief Mine	Aggregate Plant	Decorative Stone

<b>Maricopa</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	ABC Sand & Rock	Camelback Road Pit	Aggregate Plant	Sand & Gravel
	ABC Sand & Rock Co., Inc.	ABC Plant #2	Surface	Sand & Gravel
	American Materials Group LLC	Glendale Plant	Batch Plant	Concrete
	American Sand & Rock	Cat Claw Mine	Aggregate Plant	Decorative Stone
	Arizona Materials LLC.	Plant #4 - Buckeye	Surface	Sand & Gravel
	Arizona Materials LLC.	Plant # 7 Glendale	Cement Plant	Concrete
	Arizona Materials LLC.	Plant #5 Val Vista	Batch Plant	Concrete
	Arizona Materials LLC.	Plant #6 Hatfield	Batch Plant	Concrete
	Arizona Materials, LLC.	Batch plant # 1 - 43rd Ave.	Batch Plant	Concrete
	Arizona Materials, LLC.	Plant # 1 - 43rd Ave.	Aggregate Plant	Aggregates

Arizona Metro Mix	Plant 2- Glendale	Batch Plant	Concrete
Arizona Natural Gold Excavation and Reclamation Inc.	Apache Gold Boulder Mine	Quarry	Aggregates
Aztec Mining	Anchor Bay Pit	Aggregate Plant	Aggregates
Bob Bassett			Gold
Calportland	43rd Ave / Batch Plant	Batch Plant	Concrete
CalPortland	Beardsley Batch Plant	Batch Plant	Concrete
Calportland Company	Tolleson Batch Plant	Batch Plant	Concrete
Calportland Company	Deer Valley	Batch Plant	Concrete
CalPortland Company	Bullard Mine	Aggregate Plant	Sand & Gravel
CalPortland Company	Bullard Batch Plant	Batch Plant	Concrete
Cemex	Glendale Plant	Aggregate Plant	Aggregates
Cemex	Glendale Plant	Batch Plant	Concrete
Cemex	Glendale Plant	Hot Plant	Asphalt
Cemex	Plant 111 / 19th Ave.	Batch Plant	Concrete
Cemex	Plant 111 / 19th Ave Pit	Aggregate Plant	Aggregates
Cemex	Plant 111 / 19th Ave.	Hot Plant	Asphalt
Cemex	West Valley Plant #1371	Aggregate Plant	Sand & Gravel
Cemex	Bard Ranch Plant #4107	Batch Plant	Concrete
Cemex	El Mirage Plant	Batch Plant	Concrete
Cemex	59th Avenue	Aggregate Plant	Sand & Gravel
Cemex	107th ave/Plant 146	Aggregate Plant	
Cemex	El Mirage Plant	Aggregate Plant	Aggregates
Cemex	107th Ave.Plant	Hot Plant	Asphalt
Cemex	Bard Ranch	Aggregate Plant	Sand & Gravel
Cemex	Table Mesa Plant	Decorative Stone	
Cemex	Bard Ranch Batch Plant #1995	Batch Plant	Concrete
CEMEX	Plant 110 Batch Plant	Batch Plant	Concrete
Cemex Construction Materials	Sun City Plant, #4118	Aggregate Plant	Sand & Gravel
Cemex Construction Materials	Sun City Batch Plant	Batch Plant	Concrete
Cemex Construction Materials	Glendale Pit #112	Aggregate Plant	Sand & Gravel
Cemex Construction Materials	Glendale #112	Batch Plant	Concrete
Cemex Construction Materials	Glendale #112	Asphalt Plant	Asphalt
Cemex Construction Materials L.P.	Buckeye # 127	Batch Plant	Concrete
Cemex USA	West Plant # 40311	Aggregate Plant	Sand & Gravel
Cemex USA	Jomax Plant	Aggregate Plant	Aggregates
Cemex USA	West Plant # 4108	Batch Plant	Concrete
Cemex USA	Lehi Plant # 76	Aggregate	Sand &

Cemex USA	Mesa Plant #61	Plant	Gravel
Cemex USA	El Mirage	Batch Plant	Concrete
Cemex USA	Mesa Plant #71	Aggregate Plant	Aggregates
Circle H Sand and Rock	Circle H Sand and Rock	Aggregate Plant	Aggregates
Custom Landscape Materials LLC	Bighorn Pit	Aggregate Plant	Sand & Gravel
Custom Landscape Materials LLC	Belmont Pit	Aggregate Plant	Decorative Stone
Damavand Trading LLC	Rio Grande Material West	Aggregate Plant	Decorative Stone
Damavand Trading LLC.	51st Avenue	Aggregate Plant	Sand & Gravel
Dean Wade Custom Builders LLC dba Dean Wade Excavation	Ceton	Aggregate Plant	Aggregates
Drake Materials	Sun City Plant # 1	Batch Plant	Concrete
Fisher Sand & Gravel Co.	28th Street Plant	Aggregate Plant	Aggregates
Fisher Sand & Gravel, Inc.	15th Ave Pit	Surface	Sand & Gravel
Fort McDowell Yavapai Materials	FMYM Plant #70	Batch Plant	Concrete
Fort McDowell Yavapai Materials	FMYM Plant #50	Batch Plant	Concrete
Granite Express	Berkley Pit/Pit #2	Aggregate Plant	Decorative Stone
Hanson Aggregates	51st Ave Pit / Plant #35	Aggregate Plant	Aggregates
Hanson Aggregates	Agua Fria Plant / River Ranch, #40	Aggregate Plant	Sand & Gravel
Hanson Aggregates	Plant # 46 Hasayampa	Aggregate Plant	Aggregates
Hanson Aggregates	51st Ave Pit / Batch Plant #35	Batch Plant	Concrete
Hanson Aggregates	Agua Fria Plant / River Ranch, #40	Batch Plant	Concrete
Hanson Aggregates	51st Ave Pit / Hot Plant #35	Hot Plant	Asphalt
Hanson Aggregates of Arizona	San Domingo Pit / Wickenburg	Aggregate Plant	Aggregates
Hanson Aggregates of Arizona	San Domingo Batch Plant / Wickenburg	Batch Plant	Concrete
Hanson Aggregates	Sun City Batch Plant #33	Batch Plant	
iMix Group LLC	Sun Valley	Batch Plant	
Jakes Granite Supplies, LLC.	New River	Decorative Stone	
Kilauea Crushers	Plant 2 / Jomax Plant	Aggregate Plant	Decorative Stone
Kilauea Crushers Inc.	Estrella North & South	Aggregate Plant	Aggregates
Kilauea Crushers, INC.	Picacho Mine	Aggregate Plant	Granite/Decorative Stone
Kilauea Crushers, Inc.	Buckeye Hills Plant	Surface	

Lafarge N. America formally Sun State Rock & Materials	Sun City	Surface	Sand & Gravel
Lafarge N. America formally Sun State Rock & Materials	Cave Creek	Surface	Aggregates
Lafarge North America, Inc.	Jack Rabbit	Surface	Sand & Gravel
Lafarge North America, Inc.	Jack Rabbit	Surface	Asphalt
M.R. Tanner Mining, Inc.	West Side Pit Mine	Crush & Screen	Aggregates
Madison Granite Supply	Madison Granite Pit	Aggregate Plant	Granite/Decorative Stone
Mesa Materials, Inc.	Mesa Plant	Aggregate Plant	Aggregates
Mesa Materials, Inc.	Sun Plant # 2	Aggregate Plant	Aggregates
Mesa Materials, Inc.	Mesa Plant	Hot Plant	Asphalt
Mesa Materials, Inc.	Sun Materials Plant # 2	Hot Plant	Asphalt
Minex LLC FORMERLY Azco Mining	Aguila Plant		
Mission Materials Company	Sun City Plant 05	Hot Plant	Asphaltic Concrete
Mission Materials Company	Gillespie #02	Aggregate Plant	Sand & Gravel
Mission Materials Company	Gillespie Hot Plant	Hot Plant	Asphalt
Mission Materials, a Kiewit Company	Sun City Plant # 01	Aggregate Plant	Sand & Gravel
Mobile Mix Inc.	Granite Reef Dam	Surface	Sand & Gravel
Morton Salt, A Rohm & Haas Company	Glendale	In-Situ	Salt
Paloma Ready Mix and Materials LLC.	Old 80 Main Plant	Surface	Sand & Gravel
Phoenix Brick Yard	Tolleson Clay Pit	Open Pit Mine	Clay
Phoenix San Man	Litchfield / Goodyear Plant # 13	Aggregate Plant	Aggregates
Phoenix San Man	Sun City Plant # 12 & 15	Aggregate Plant	Aggregates
Phoenix San Man	Phoenix San Man Plant # 10	Aggregate Plant	
Phoenix San Man	Buckeye Plant #24	Aggregate Plant	Sand & Gravel
Pioneer Landscaping Materials, Inc. dba Pioneer Sand Company	ABC Pit	Aggregate Plant	Sand & Gravel
Pioneer Sand Company	Pioneer Hassayampa	Aggregate Plant	Sand & Gravel
Pioneer Sand Company	Navajo Pit / Castle Hot Springs	Aggregate Plant	Decorative Stone
Red Mountain Mining	Red Mountain Quarry	Aggregate Plant	Decorative Stone
Rinker Materials	Buckeye Plant	Aggregate Plant	
Rinker Materials Western Inc. (CEMEX)	Hassayampa	Aggregate Plant	Sand & Gravel
Rinker Materials, Inc.	UM Plant 108 / 115th &	Batch Plant	Concrete

Rinker Materials, Inc.	Beardsley Avondale Batch Plant # 104	Batch Plant	Concrete
RMI Ready Mix	Sun City Plant	Batch Plant	Concrete
RMI Ready Mix, Inc. Mix, Inc.	Buckeye #76	Batch Plant	Concrete
Rock Biter Crushing, LLC	Various Locations	Aggregate Plant	
Rock Production Technologies LLC	Rock Production Technologies LLC.	Surface	Silica Smelter Flux
Rock Solid, Inc.	Peoria Plant	Batch Plant	Concrete
Rowley Mine	Graham	Underground Mine	Wulfenite Crystals
Salt River Material Group	Buckeye Plant	Aggregate Plant	Sand & Gravel
Salt River Materials Group	67th Ave Plant	Aggregate Plant	Sand & Gravel
Salt River Materials Group /dba Salt River Sand & rock	Olive Ave	Aggregate Plant	Sand & Gravel
South West Sand & Gravel, Inc.	South West Sand & Gravel Pit	Aggregate Plant	Aggregates
Southland Well Drilling	Desert Crystal	Screening Plant	Aggregates
Sun Land Materials LLC.	Laveen	Aggregate Plant	Sand & Gravel
Superstition Crushing		Aggregate Plant	Aggregates
Superstition Mountain Stone, Inc.	Superstition Mountain Granite Pit	Aggregate Plant	Granite/Decor ative Stone
Trio Aggregate Haulers LLC.	Western Aggregates	Surface	Aggregates
United Metro Materials Inc. DBA Rinker Materials	Arlington	Aggregate Plant	
Vulcan Materials	Plant 24-- Litchfield	Aggregate Plant	Aggregates
Vulcan Materials	Val Vista- Citrus Grove	Aggregate Plant	Aggregates
Vulcan Materials	Peoria	Aggregate Plant	Aggregates
Vulcan Materials	Avondale Plant	Aggregate Plant	Aggregates
Vulcan Materials	Avondale Hot Plant	Hot Plant	Asphalt
Vulcan Materials	Peoria	Hot Plant	Asphalt
Vulcan Materials	Plant 24-- Litchfield	Batch Plant	Concrete
Vulcan Materials	University Plant	Aggregate Plant	
Vulcan Materials	Plant 24-- Litchfield Aggregate	Aggregate Plant	Sand & Gravel
Vulcan Materials	West Plant	Aggregate Plant	Sand & Gravel
Vulcan Materials	West Plant / Hot Plant	Hot Plant	Asphalt
Vulcan Materials, dba Calmat Co.	Plant 12 - Sun City	Aggregate Plant	Aggregates
Vulcan Materials, dba Calmat Co.	Plant 12 - Sun City	Batch Plant	Concrete
Vulcan Materials, dba Calmat Co.	Plant 12 - Sun City	Hot Plant	Asphalt
Vulture Mining Company	New Vulture	Placer	Gold

Vulture Peak Gold, L.L.C. Wesco Minerals LLC.	Vulture Mine Rainbow Valley	Exploration Open Pit Mine	Gold Feldspathic Sand
Western Aggregates LLC.	Plant 41	Aggregate Plant	
Wickenburg Holding Group Corp.	Red Sand Silica	Surface	Sand & Gravel

<b>Mohave</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	C.S. McCrossan	Lake Havasu Pit	Aggregate Plant	Aggregates
	Cemex USA	Bullhead City Pit, #1473	Aggregate Plant	Aggregates
	Cemex USA	Bullhead City Batch Plant, 1981	Batch Plant	Concrete
	Chase Crushing aka Vista	White Hills	Aggregate Plant	Decorative Stone
	Chase Crushing aka Vista	Regal Mist	Aggregate Plant	Decorative Stone
	Chris Blythe's Aggregate Company	Havasu Hights	Screening Plant	Aggregates
	City of Bullhead	Portable Powerscreen	Aggregate Plant	
	Continental Golf & Construction aka Continental Materials D & R Excavating	Beaver Dam Plant	Aggregate Plant	Sand & Gravel
		D & R Excavating Materials Pit	Aggregate Plant	Aggregates
	D. L. Campbell Company, Inc.	Sand Pit Road	Aggregate Plant	Aggregates
	D.L. Campbell Company	Chemehuevi Pit	Screening Plant	Sand & Gravel
	D.L. Campbell Company	Hackberry	Aggregate Plant	Sand & Gravel
	Dayton Lundy Rock	Dayton Lundy Rock Pit # 1	Aggregate Plant	Decorative Stone
	Dayton Lundy Rock	Dayton Lundy Rock Pit # 2	Aggregate Plant	Decorative Stone
	Denison Mines USA Az. Strip District	Arizona # 1	UG Mine	Uranium
	Denison Mines USA Az. Strip District	Pinenut	UG Mine	Uranium
	Desert Construction, Inc.	Hualapai Pit	Aggregate Plant	Aggregates
	Desert Construction, Inc.	Hualapai Hot Plant	Hot Plant	Asphalt
	Desert Construction, Inc.	Wash & Screen Plant	Aggregate Plant	Aggregates
	Desert Construction, Inc.	Batch Plant	Batch Plant	Concrete
	Dunbar Stone Eureka Mining	Hualapai Chocolate Havasus Rose	Quarry Aggregate Plant	Flagstone Decorative Stone
	Freiday Construction, Inc.	Rattlesnake Wash	Aggregate	Aggregates

Georgia Pacific Gypsum LLC. FORMALLY G-P Gypsum Corp.	Pit Black Rock Quarry	Plant Quarry	Gypsum
Golden Valley Rock & Materials LLC	Golden Valley		Aggregates
Grand Wash Excavating, Inc.	Meadview # 1	Aggregate Plant	Sand & Gravel
JDI Enterprises LLC., aka Thunderbird Materials	DW Ranch Road Pit	Aggregate Plant	Sand & Gravel
JDM Sand & Rock, Inc.	Little Cedar	Aggregate Plant	Aggregates
Kalamazoo Materials Inc. aka Able Earth	Chloride Pit	Aggregate Plant	Granite/Decorative Stone
Kalamazoo Materials, Inc. aka Able Earth	White Hills Mine	Aggregate Plant	Decorative Stone
Kalamazoo Materials, Inc. aka Able Earth	New Valentine Pit	Aggregate Plant	Decorative Stone
Kiewit Western Co.	Rinker Bullhead Pit	Hot Plant	Asphalt
Kingman Turquoise Mining Co.	Kingman Turquoise @ Mineral Park	Crush & Screen	Turquoise
Lhoist North America dba Chemical Lime Company	Nelson Plant	Quarry	Lime
McCall Construction	McCall Pit	Aggregate Plant	Aggregates
McCormick Construction a Northern Improvement Company	Lake Havasu Hot Plant	Hot Plant	Asphalt
McCormick Construction a Northern Improvement Company	McCormick Pit / Rio Lomas III	Aggregate Plant	Sand & Gravel
McCormick Construction a Northern Improvement Company	Lake Havasu Pit	Aggregate Plant	Aggregates
McCormick Construction a Northern Improvement Company	McConnico Pit / Drake Pit	Aggregate Plant	Aggregates
Mineral Park Inc.	Mineral Park	Open Pit Mine	Copper
Mineral Park Materials	Cedar Hills Division	Aggregate Plant	Granite/Decorative Stone
Mohave County Road Department	Hualapai Pit	Open Pit Mine	Aggregates
Mojave Desert Minerals, LLC fka Addwest Minerals, Inc.	Gold Road Mine	UG Mine	Gold
OZ Rock	OZ Rock	Aggregate Plant	
Precision Aggregate Products LLC	Portable	Sand & Gravel	Aggregates
Red Mountain Mining dba as Mineral Park Decorative Rock	Mineral Park Rock	Aggregate Plant	Decorative Stone
Reserve Bank	Reserve Bank Mine	UG Mine	Copper Jewelry
Rock it Rock Products	Sacramento Pit	Aggregate	

S & S Concrete and Materials LLC.	Pass Canyon Batch Plant	Plant	Concrete
S & S Concrete Materials LLC.	Pass Canyon	Batch Plant	Sand & Gravel
S-2 Contractors, Inc.	Sand Pit	Aggregate Plant	Asphalt
Sierra Resource Group Inc. fka SGV Resources Inc.	Chloride Copper Mine aka Emerald Isle Mine	Hot Plant	Copper
Silmar of Arizona LLC. fka D. S. Mine & Development 209 988.2180	Excelsior	Open Pit Mine	
Statewide Excavation, Inc.	London Bridge Road Pit	Mill	Gold & Silver
SunCon fka Sunshine Concrete & Materials, Inc.	Airport Pit	Screening Plant	Aggregates
SunCon fka Sunshine Concrete & Materials, Inc.	Airport Batch Plant	Aggregate Plant	Aggregates
SunRoc Materials	Beaver Dam	Batch Plant	Concrete
Sunshine Concrete & Materials, Inc.	McConnico Pit / Kingman Plant	Aggregate Plant	Sand & Gravel
Sunshine Concrete & Materials, Inc.	Kingman Batch Plant	Aggregate Plant	Aggregates
Thunderbird Materials aka JDI Enterprises LLC.	Sawmill Wash Pit	Batch Plant	Concrete
Tonto Supply	Colorado City	Aggregate Plant	Aggregates
Western Mining and Minerals	Black Rock	Screening Plant	Aggregates
		Quarry	Gypsum

Navajo	Company	Mine / Plant Name	Type	Product
	Brimhall Sand Rock & Building Materials	Winslow Pit	Aggregate	
	Brimhall Sand, Rock & Building Materials	Geronimo Sand Pit	Surface	Sand, Industrial
	Brimhall Sand, Rock & Building Materials	Hardluck	Aggregate Plant	Aggregates
	Brimhall Sand, Rock & Building Materials	Joe's Pit	Surface	Aggregates
	Brimhall Sand, Rock & Building Materials	Cooley Knoll Cinder Pit	Surface	Cinders
	Brimhall Sand, Rock & Building Materials, Inc.	Cottonwood Wash / Rim Rock	Aggregate Plant	Sand & Gravel
	Brimhall Sand, Rock & Building Materials, Inc.	Decker Plant	Aggregate Plant	Sand & Gravel
	Brimhall Sand, Rock & Building Materials, Inc.	Decker Hot Plant	Hot Plant	Asphalt
	Cholla Ready Mix	Perkins Valley Pit	Aggregate Plant	Aggregates

Cholla Ready Mix, Inc.	Woodruff Butte	Aggregate Plant	Aggregates
Hatch Construction & Paving Inc.	Flake Pit	Open Pit Mine	
Hatch Construction & Paving, Inc.	Four Mile Pit	Aggregate Plant	Aggregates
Hatch Construction & Paving, Inc.	Four Mile Batch Plant	Batch Plant	Concrete
Hatch Construction & Paving, Inc.	Four Mile Hot Plant	Hot Plant	Asphalt
McCauley's Dyna Rock & Sand	Minnetonka	Aggregate Plant	Aggregates
McCauley's Dyna Rock & Sand	Chevelon	Aggregate Plant	Aggregates
Navajo County	First Knoll Cinder Pit	Cinders	Cinders
Perkins Cinder Company	Owens Pit	Open Pit Mine	Cinders
Perkins Cinder Company	Turly Pit	Open Pit Mine	Aggregates
Perkins Cinders fka Linden Pearce Construction	Linden Pit	Aggregate Plant	Sand & Gravel
Perkins Cinders fka Linden Pearce Construction	Linden Batch Plant	Batch Plant	Concrete
Perkins Cinders fka Linden Pearce Construction	Linden Hot Plant	Hot Plant	Asphalt
Quality Ready Mix aka Cemex	Brimhall Cottonwood Operation	Batch Plant	Concrete
Red Rock Cinder Co.	Duke Peak	Cinders	Cinders
Reidhead Sand & Rock, Inc.	Reidhead	Aggregate Plant	Aggregates
Reidhead Sand & Rock, Inc.	Reidhead	Batch Plant	Concrete
Southwestern Stone Company	Gold Quarry	Quarry	Flagstone
Surface Contracting, Inc.	Brimhall	Hot Plant	Asphalt
Thirsty Stone Resources	HTH1 Quarry	Quarry	Sandstone
Western Materials, LLC	Cooley Knob	Surface	Cinders

<b>Pima</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	Asarco Silver Bell Mining LLC.	Silver Bell Mine	Open Pit Mine	Copper
	ASARCO, Inc.	Mission Unit Pit	Open Pit Mine	Copper
	Cal Portland dba Twin Peaks Rock & Stone	Twin Peaks	Aggregate Plant	Sand & Gravel

California Portland Cement dba CPC SouthWest Materials	Granite/Tangerine	Batch Plant	Concrete
California Portland Cement dba CPC SouthWest Materials Inc.,	Orange Grove Plant	Aggregate Plant	Sand & Gravel
California Portland Cement dba CPC SouthWest Materials Inc., formerly Tucson Ready Mix	Orange Grove Plant	Batch Plant	Concrete
California Portland Cement dba CPC SouthWest Materials Inc., formerly Tucson Ready Mix	Orange Grove Plant	Hot Plant	Asphalt
California Portland Cement dba CPC SouthWest Materials Inc., formerly Tucson Ready Mix	Swan Batch Plant	Batch Plant	Concrete
CalPortland Company formerly Arizona Portland Cement Company	Rillito Mill	Cement Plant	Cement/Lime
CalPortland Company formerly Arizona Portland Cement Company	Rillito Quarry	Quarry	Limestone
Arizona Portland Cement Company Cemex	Plant 1457/223	Aggregate Plant	Aggregates
Cemex	Avra Road Plant Cortaro Batch Plant I	Batch Plant	Concrete
Cemex	Cortaro Hot Plant	Hot Plant	Asphalt
Cemex	Avra Valley	Batch Plant	Concrete
Cemex USA	Apex Plant # 22	Aggregate Plant	Sand & Gravel
Cemex USA	Pima Plant # 17	Aggregate Plant	Sand & Gravel
Cemex USA	Pima Mine Plant # 121	Batch Plant	Concrete
Cemex USA	Apex Plant # 12	Batch Plant	Concrete
Churchman Sand & Gravel / Aggregate Materials	River Road	Aggregate Plant	Sand & Gravel
Clay Mine Adobe Inc.	Avra Road Plant	Surface	Adobe brick mortar plaster Clay
Clay Mine Adobe, Inc.	Clay Mine Adobe	Open Pit Mine	Clay
CM Mine	Hardscrabble	Surface	Gold
Downey, LA & Sons	Downey Pit	Aggregate Plant	Sand & Gravel
Freeport McMoran Copper & Gold Ajo	New Cornelia Branch	Open Pit Mine	Copper
Freeport McMoran Copper & Gold Sierrita	Sierrita Open Pit	Open Pit Mine	Copper
Granite Construction Company	Swan Road Pit	Aggregate Plant	Aggregates
Granite Construction Company	Tangerine Pit	Aggregate Plant	Aggregates
Granite Construction Company	Swan Road Pit	Hot Plant	Asphalt
Granite Construction Company	Tangerine Pit	Hot Plant	Asphalt
Huachuca Concrete, Inc. dba AzConAgg	Wilmot Plant	Aggregate Plant	Sand & Gravel

Imerys Marble	Santa Rita Mine	Quarry	Limestone
Jim Bush Sand & Gravel	Jim Bush	Aggregate Plant	Aggregates
Kalamazoo Materials, Inc. aka Able Earth	Silverbell	Aggregate Plant	Decorative Stone
Lamb Rock (Lamb Excavation Inc. DBA)	Wentworth	Aggregate	Rip/Rap
Lamb Rock aka Lamb Excavation, Inc.	Twin Buttes	Aggregate Plant	Decorative Stone
Minerals Research & Recovery, Inc.	Ajo Plant	Aggregate Plant	Slag
Oracle Ridge Mining LLC	Oracle Ridge Mine		Copper
Oremus Material Inc.	Avra Valley	Batch Plant	Concrete
Phoenix Brick Yard	Pantano	Open Pit Mine	Clay
Pioneer Landscaping Materials, Inc. dba Pioneer Sand Co.	Sierra Gold Pit	Aggregate Plant	Aggregates
Pioneer Landscaping Materials, Inc. dba Pioneer Sand Co.	Waterman Pit	Aggregate Plant	Decorative Stone
Rosemont Copper Company	Rosemont Copper	Surface	Copper
Sahuarita Mining 1986, Ltd.	Blue Jay	Underground Mine	Gold
Sandstorm Materials	Sandstorm Materials	Surface	Sand & Gravel
Sierra Mining & Crushing LLC.	Hughes Sand & Gravel	Aggregate Plant	Sand & Gravel
SKM Mining & Materials, Inc. aka MEMCO	Pantano Plant	Open Pit Mine	Aggregates
Sonora Environmental LLC. dba B & R Materials, Corp	Harrison Escalante	Aggregate Plant	Sand & Gravel
Southwest Mining & Development Inc.	Linda Vista 1	Screening Plant	Aggregates
Staker Parson Companies	INA Pit	Surface	Sand & Gravel
Staker Parson Companies	Poor Man Rd. Batch	Batch Plant	Concrete
Staker Parson Companies	Green Valley Batch	Batch Plant	Concrete
Staker Parson Companies	INA Batch Plant	Batch Plant	Concrete
Staker Parson Companies	Green Valley	Batch Plant	Concrete
University of Arizona	San Xavier Mining Lab	Miner Training Lab	Training
Valley Rock & Sand Company	McCann Pit	Aggregate Plant	Aggregates
Vulcan Materials	Black Angus	Hot Plant	Asphalt
Vulcan Materials	Black Angus Pit	Aggregate Plant	Aggregates
Vulcan Materials	Marana	Aggregate Plant	Aggregates
Vulcan Materials	Marana Plant	Hot Plant	Asphalt

<b>Pinal</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	Albo Guzman	Albo Guzman	Aggregate Plant	Sand & Gravel
	Alpha Exploration LLC.	Alpha Exploration	Exploration	Gold
	Arizona Materials LLC.	Plant #2 Queen Creek	Batch Plant	Concrete
	Arizona Materials, L.L.C.	Plant #8 Florence	Batch Plant	Concrete
	Arizona Metro Mix	Arizona Metro Mix # 1	Batch Plant	Concrete
	Arizona Pacific Materials	Phoenix Cinders Pit/Queen Creek Plant	Aggregate Plant	Decorative Stone
	ASARCO, Inc.	Ray Operations	Open Pit Mine	Copper
	ASARCO, Inc.	Ray Complex	SX-EW Plant	Copper
	ASARCO, Inc.	Ray Operations Mill and Concentrator	Mill	Copper
	CalPortland Company formerly Imix formerly Arizona Portland Cement Company	Coolidge Batch Plant	Batch Plant	Concrete
	CalPortland Company formerly Imix formerly Arizona Portland Cement Company	15931 N Christensen Rd. Coolidge Az.	Surface	Sand & Gravel
	Cemex	Winkleman / Superior Plant 546	Aggregate Plant	Aggregates
	Cemex USA	UM Plant 449 / 2305 S. Rooftile Road Casa Grande	Batch Plant	Concrete
	Cemex USA	UM Plant 449 / 2305 S. Rooftile Rd. Casa Grande	Aggregate Plant	Aggregates
	Cemex USA	UM Plant 449 / 2305 S. Rooftile Rd. Casa Grande	Hot Plant	Asphalt
	Cemex USA	Plant # 142, Queen Creek	Aggregate Plant	Aggregates
	Cemex USA	Queen Creek Plant 406	Aggregate Plant	Sand & Gravel
	Cemex USA	Queen Creek Plant 65	Batch Plant	Concrete
	Cemex USA	Coolidge Plant	Aggregate Plant	Sand & Gravel
	Cemex USA	Plant # 142, Queen Creek	Batch Plant	Concrete
	Cemex USA	Coolidge Plant	Batch Plant	Concrete
	Chandler Rock, Inc.	Big Nob	Aggregate Plant	Granite/Decorative Stone
	Decorative Rock Sales	Little Hill Mine	Decorative Stone	Granite/Decorative Stone
	Diablo Sand & Gravel	Diablo	Aggregate Plant	Sand & Gravel
	Fisher Sand & Gravel, Inc.	Florence Pit	Surface	Sand & Gravel
	Fisher Sand & Gravel, Inc.	Florence Pit	Hot Plant	Asphalt
	Fort McDowell Yavapai Materials	Plant Sixty	Batch Plant	Concrete

Gila Rock Products, LLC	Reymert - Superior	Aggregate Plant	Decorative Stone
Granite Express LLC	Pit 1	Surface	
Hanson Aggregates	Queen Creek Plant 42	Aggregate Plant	Sand & Gravel
Hanson Aggregates	Queen Creek Batch Plant 42	Batch Plant	Concrete
Hanson Aggregates of Arizona, Inc.	Coolidge Plant # 65	Aggregate Plant	Sand & Gravel
Hanson Aggregates of Arizona, Inc.	Coolidge	Batch Plant	Concrete
Harborlite Corp.	Harborlite Mine/Mill	Open Pit Mine	Perlite
JALAG Enterprises	Jalag Pit	Aggregate Plant	Sand & Gravel
Kalamazoo Materials	Durham Hills Quarry	Aggregate Plant	Aggregates
Kalamazoo Materials aka Able Earth	Bonito	Aggregate Plant	Granite/Decorative Stone
Kalamazoo Materials Inc. aka Able Earth	Amber/ desert gold	Aggregate Plant	Decorative Stone
Kalamazoo Materials, Inc. aka Able Earth	New Superior Pit	Aggregate Plant	Aggregates
Kalamazoo Materials, Inc. aka Able Earth	Old Superior Pit	Aggregate Plant	Aggregates
KJC Rock and Materials Inc.	KJC Rock and Materials Inc.	Surface	Decorative Stone
M.R. Tanner Mining Inc.	Queen Creek Pit Mine	Aggregate Plant	
M.R. Tanner Mining, Inc.	Rankin Pit Mine	Crush & Screen	Aggregates
Mesa Materials	Coolige Plant	Hot Plant	Asphalt
Mission Materials Company	Casa Grande Plant 07	Surface	Sand & Gravel
Mission Materials Company	Florence Plant #3	Aggregate Plant	
Mission Materials Company	Florence Plant #3	Hot Plant	Asphalt
National Gypsum aka New NGC, Inc.	Feldman	Open Pit Mine	Gypsum
Old Wasp Mine	Old Wasp Mine	Surface	Gold & Silver
OMYA CA, Inc. Pluess-Stauffer CA, Inc.	Omya Az.	Quarry	Marble
P & P Materials LLC	P & P Materials	Aggregate Plant	Aggregates
Phoenix San Man	Coolidge Plant # 11	Aggregate Plant	Sand & Gravel
Pinal Gypsum	White Cross Mine	Open Pit Mine	Gypsum
Pioneer Sand	Picacho Peak Pit	Aggregate Plant	Aggregates
Pioneer Sand	Casa Grande Pit aka grande rose pit	Aggregate Plant	Granite/Decorative Stone
Pioneer Sand	San Tan Pit	Aggregate Plant	Aggregates
Red Hills Mining LLC	Red Hills Quarry	Aggregate	Decorative

Resolution Copper Mining, LLC	Superior Magma Mine	Plant Underground Mine	Stone Copper
Rinker Materials, Inc.	UM Plant 1975	Batch Plant	Concrete
Rinker Materials, Inc.	UM Plant 46 17685 N. Tanner Road	Aggregate Plant	Sand & Gravel
RMI Ready Mix / Drake	Queen Creek Plant	Batch Plant	Concrete
Silver King Mining, LLC	Silver King Mine	Underground Mine	Silver
Smithco Enterprises, Inc.	Bobbit Pit	Open Pit Mine	Aggregates
Sonora Environmental fka Coolidge Sand & Rock	Sonora Environmental formerly Coolidge sand & Rock	Aggregate Plant	Sand & Gravel
Sonora Environmental fka Coolidge Sand & Rock	Sonora Environmental formerly Coolidge sand & Rock	Batch Plant	Concrete
Southwest Rock Products	Queen Creek / Plant 1	Aggregate Plant	Aggregates
Southwest Rock Products (Landscape)	Coolidge Plant	Aggregate Plant	Sand & Gravel
St. Cloud Mining Co. (DBA) White Cliffs Mining, Inc.	White Cliffs	Open Pit Mine	Diatomite
T D Martin Group LLC	Pit # 525	Wash Plant	Sand, Industrial
Tee Pee Sand & Gravel	Tee Pee	Aggregate Plant	Sand & Gravel
The Ashton Company, Inc.	Old Montgomery Pit - Casa Grande	Surface	Aggregates
Treasure Chest Mining	Treasure Chest Pit	Aggregate Plant	Granite/Deco rative Stone
Vulcan Materials Co.	Queen Creek	Hot Plant	Asphalt
Walker Butte Granite	Walker Butte Granite	Aggregate Plant	Decorative Stone

**Santa  
Cruz**

<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
California Portland Cement dba CPC SouthWest Materials	Rio Rico	Batch Plant	Concrete
California Portland Cement dba CPC SouthWest Materials Inc., Cemex USA.	Rio Rico Plant	Aggregate Plant	Aggregates
	Plant 228 Nogales	Aggregate Plant	Aggregates
Cemex USA.	Plant 228 Nogales Batch Plant	Batch Plant	Concrete
Collins Excavating dba Rio Rico Rock & Sand	Rio Rico Plant	Aggregate Plant	Aggregates
GRG Construction Inc.	GRG Santa Cruz # 1	Aggregate Plant	Aggregates

Yavapai	Company	Mine / Plant Name	Type	Product
	APS Asphalt Paving and Supply dba Arrowhead Materials a Northern Improvement Company	Prescott Valley Pit	Aggregate Plant	Aggregates
	APS Asphalt Paving and Supply dba Arrowhead Materials a Northern Improvement Company	Prescott Valley Batch Plant	Batch Plant	Concrete
	APS Asphalt Paving and Supply dba Arrowhead Materials a Northern Improvement Company	Prescott Valley Hot Plant	Hot Plant	Asphalt
	APS dba Arrowhead Materials a Northern Improvement Company	Chino Valley Pit	Aggregate Plant	Sand & Gravel
	Arizona Construction Equipment, LLC	Brinkley Mine / Hackberry Claim	Surface	Aggregate and Gold
	Bedrock Landscape Materials	Bedrock Portable Plant #1	Aggregate Plant	Aggregates
	Bloody Basin Mining & Development	Monte Cristo Mine - B.H. Adit	Underground Mine	Copper
	Cemex fka Rinker Materials	Plant 556 CampVerde-Cherry Pit	Aggregate Plant	Aggregates
	Cemex fka Rinker Materials	Plant 556 CampVerde-Batch Plant	Batch Plant	Concrete
	Cemex fka Rinker Materials	UM Plant 556/Camp Verde-Hot Plant	Hot Plant	Asphalt
	Cemex formerly Rinker Materials, Inc.	Prescott Valley Hot Plant 551	Hot Plant	Asphalt
	Cemex formerly Rinker Materials, Inc.	Prescott Valley Plant 551	Aggregate Plant	Aggregates
	Cemex formerly Rinker Materials, Inc.	Chino Valley	Batch Plant	Concrete
	Cemex formerly Rinker Materials, Inc.	Prescott Valley Batch Plant 551	Batch Plant	Concrete
	Charter Materials, LLC.	Plant 100	Aggregate Plant	Aggregates
	Chino Valley Materials	Schiabie / Granite Creek Pit	Aggregate Plant	Aggregates
	Clarkdale Metals Corp	Clarkdale Slag Project	Surface	Gold
	Dick Merritt	Last Chance Mine aka Blackhat	Surface	Gold
	Drake Cement, LLC.	Drake Cement Plant	Cement Plant	Cement/Lime
	Drake Stone	M.C. Canyon Quarries	Quarry	Flagstone
	Drake Stone	Rock House Quarries	Quarry	Flagstone
	Drake Stone Products Inc.	Far North Oak	Surface	Flagstone
	Freeport McMoran Copper & Gold Bagdad Operations	Bagdad Mine	Open Pit Mine	Copper

Freeport McMoran Copper & Gold United Verde G & S Gravel Incorporated	United Verde Northern Az Star Placer	Underground Mine Aggregate Plant	Sand & Gravel Gold
Gimel Arizona Inc. Granite Mountain Materials	Buckhorn Dosie Pit	Placer Aggregate Plant	Granite/Dec orative Stone
Hanson Aggregates	Yavapai Airport Pit	Aggregate Plant	Sand & Gravel
Hanson Aggregates	Clarkdale Hot Plant	Hot Plant	Asphalt
Hanson Aggregates	Yavapai Airport Batch Plant	Batch Plant	Concrete
Hanson Aggregates	Clarkdale Plant	Aggregate Plant	Aggregates
Hanson Aggregates Harley Gray Stone J.W. Mining L.L.C.	Clarkdale Plant Partridge & Red Rich Hill Mine	Batch Plant Quarry Surface Placer	Concrete Flagstone Gold
Jakes Granite Supllies, LLC.	Date Creek Quarry	Decorative Stone	Aggregates
Material Delivery Inc. ( M D I)	Dewey Pit	Aggregate Plant	Decorative Stone
McCormick Construction a Northern Improvement Company Mendoza Quarry Mike Mulcair Excavating Inc.	McConnico Hot Plant Mendoza Quarry Midpoint	Aggregate Plant Surface Aggregate Plant	Aggregates Flagstone Sand & Gravel
Milkmine, LLC	Gold Mesa	Placer	Gold
North American Industries aka Ironite Products	Ironite Products	Mine Tailings	Fertilizer minerals
Paterno Stone Co. aka Triple R Stone	Copper Qween	Quarry	Decorative Stone
Paterno Stone Co. aka Triple R Stone formerly Roy Anderson Stone	Bluebell Quarry	Quarry	Flagstone
Paterno Stone Co. aka Triple R Stone formerly Roy Anderson Stone	Apache	Quarry	Flagstone
Pine Creek Mining, Inc. Reay Brothers Excavation, LLC	Gold Basin	Placer Aggregate Plant	Gold Sand & Gravel
Rock Ridge Quarries Inc. aka 3 Wins Quarries	Rock Ridge Quarries	Quarry	Flagstone
Salt River Materials Group, dba Phoenix Cement	Phoenix Cement Gypsum Mine	Open Pit Mine	Gypsum
Salt River Materials Group, dba Phoenix Cement	Phoenix Cement Plant	Cement Plant	Cement/Lim e
Southwest Exploration Research & Development fka Alvarado Holdings Stoneworld	Alvarado Mine  Onyx Quarry	Surface  Quarry	Gold & Silver Stone, Dimension
Stoneworld	Rattlesnake Canyon	Quarry	Flagstone
Sunshine Concrete & Materials dba Suncon	Paulden Pit	Aggregate Plant	Aggregates

Sunshine Concrete & Materials dba Suncon	Drake Batch Plant	Batch Plant	Concrete
Superstition Crushing LLC	Black Canyon City	Sand & Gravel	Rip/Rap
Swallow Mining LLC	Swallow Mine	Exploration	Copper
United Verde Inc. AKA United Verde Materials	United Verde Pit	Aggregate Plant	Aggregates
Vanderbilt Minerals Corp.	Lyle Mine	Open Pit Mine	Clay
Western Sun Exploration, Inc.	Jerome Mine Claim	Placer	Gold

<b>Yuma</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	Aztec Excavating & Materials LLC	Dateland Pit	Surface	Sand & Gravel
	BLT Companies, LLC	BLT Materials Pit	Aggregate Plant	Sand & Gravel
	BLT Companies, LLC	BLT Batch Plant	Batch Plant	Concrete
	BLT Companies, LLC	BLT Hot Plant	Hot Plant	Asphalt
	BTZ dba Zellers Excavating & Paving	Black Hill Mine	Aggregate Plant	Sand & Gravel
	BTZ dba Zellers Excavating & Paving	Black Hill Hot Plant	Hot Plant	Asphalt
	BTZ dba Zellers Excavating & Paving	Black Hill Batch Plant	Batch Plant	Concrete
	Cemex	County 19	Aggregate Plant	Aggregates
	Cemex	Hwy - 95 Plant	Aggregate Plant	Sand & Gravel
	Cemex	Hwy - 95 Plant	Hot Plant	Asphalt
	Desert Road Builders, Inc.	Blaisedale Pit Yuma Pit # 1	Aggregate Plant	Sand & Gravel
	Desert Road Builders, Inc.	County 19 Hot Plant	Hot Plant	Asphalt
	Desert Road Builders, Inc.	County 19 Plant	Aggregate Plant	Sand & Gravel
	H & S Developers, Inc.	Fortuna Pit 1	Aggregate Plant	Sand & Gravel
	Luxcor Gold L.P.	Francher Project	Underground Mine	Gold
	Mohawk Rock, LLC	Mohawk Rock, LLC	Decorative Stone	Rip/Rap
	Saguaro Concrete	Rock in Roll	Aggregate Plant	
	Tacna Sand & Gravel, LLC.	Roll Plant	Aggregate Plant	Sand & Gravel
	Yuma County Department of Public Works	Yuma Portable	Aggregate Plant	Sand & Gravel

<b>Portable</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	Arizona General Engineering / A.G.E. Contracting Inc.	CPC Rio Rico	Contractor	Aggregates
	Ashton Company, Inc.	Various Mine Sites	Portable Aggregate Plant	Sand & Gravel
	Ashton Company, Inc.	Various Mine Sites	Aggregate Plant	Sand & Gravel

Ashton Company, Inc. The AZ BEST Formally known as Woody's Landscaping, LLC C S & W Contractors Inc.	Various Locations Walker Butte Granite Pit Various Mine Sites	Asphalt Plant Portable Screen Plant Custom Crushing	Asphalt Construction
C. S. McCrossan, Inc.	Portable Mining Equipment	Portable Aggregate Plant	Sand & Gravel
C. S. McCrossan, Inc. Cemex Construction Materials	Portable Hot Plant Portable Crushing and Screening Spread	Hot Plant Crush & Screen	Asphalt
Coconino County Public Works	County Wide Portable Screen Plant	Open Pit	Cinders
CS McCrossan, Inc.	PE500	Crush & Screen	
Dalmolin Excavating		Custom Crushing	Aggregates
Empire Excavation, Inc.	(CM-2248 ADOT Pit #)	Surface	
Environmental Response, Inc.	Portable	Aggregate Plant	Aggregates
F N F Construction Inc.	Portable 87-00	Hot Plant	Asphaltic Concrete
F N F Mining Co., A division of F N F Construction	71-14 Portable	Aggregate Plant	Aggregates
F N F Mining Co., A division of F N F Construction	Various Sites		
F N F Mining Co., A division of F N F Construction	71-21	Aggregate Plant	Aggregates
F N F Mining Co., A division of F N F Construction	RE 5958	Aggregate Plant	
Fann Contracting	Various Mine Sites	Custom Crushing	Construction
Fann Contracting	Hot Plant 1 & 2	Hot Plant	Construction
Fisher Industries, Southwest Industries	Various Mine Sites	Custom Crushing	Aggregates
Fisher Industries, Southwest Industries	Various Mine Sites	Hot Plant	Asphalt
Fisher Sand & Gravel dba Arizona Drilling and Blasting	Various Mine Sites	Custom Crushing	Aggregates
Fort McDowell Yavapai Materials	Various Mine Site	Aggregate Plant	Decorative Stone
Granite Construction Company	Various Mine Sites	Custom Crushing	Rip/Rap
Granite Construction Company	Various	Hot Plant	Asphalt
Hanson Aggregates of Arizona	Portable PC 54	Aggregate Plant	Aggregates
Hatch Construction & Paving Inc.	Various Mine Sites	Aggregate Plant	Aggregates
Interstate Rock Products, Inc.	Indigo Ridge Project	Custom Crushing	
Kessen & Kessen, Inc.	Copper Hills Mine	Custom Crushing	Revert Crushing
Kiewit Western Co.	Various Sites / Portable	Aggregate Plant	

Kiewit Western Co.	Various Sites / Portable	Hot Plant	Asphalt
M.R. Tanner Mining, Inc.	Portable #1 & #2	Crush & Screen	Aggregates
Material's Delivery Inc. (M.D.I.)	Various	Custom Crushing	Sand & Gravel
McCormick Construction a Northern Improvement Company	McCormick Portable Hot Plant	Hot Plant	Asphalt
Meadow Valley Contractors, Inc.	Statewide Hot Plant	Hot Plant	Asphalt
Meadow Valley Contractors, Inc.	Portable Plant	Custom Crushing	Aggregates
Mercury Constructors, Inc.	Various Mine Sites	Surface	Aggregates
Mohave County Road Department	Kolman Portable	Open Pit Mine	Aggregates
Payson Concrete & Materials	Portable Plant	Portable Aggregate Plant	Aggregates
Perkins Cinders Inc.	Hall Pit	Custom Crushing	Sand & Gravel
Phoenix San Man	PC Plant 15 / Various Mine Sites	Aggregate Plant	Aggregates
Robson Ranch Const. Co. Land Development		Custom Crushing	Aggregates
S & M Construction, Inc.	FMI Morenci	Custom Crushing	Construction
Schuck Development	Various Locations	Aggregate Plant	Sand & Gravel
Smithco Enterprises, Inc.	Various Mine Sites	Custom Crushing	Silica/Slag
Southwest Rock Products	Various Mine Sites	Aggregate Plant	Sand & Gravel
Sun Valley Mining Company aka Superstition Crushing	Various Locations	Aggregate Plant	Aggregates
Sundt Construction Inc.	Portable Soil Cement Plant	Batch Plant	Soil Cement
Sundt Construction Inc.	Soil Cement Plant	Aggregate Plant	Soil Cement
Superstition Crushing	all portable equipment	Aggregate Plant	Aggregates
Texas Canyon Rock & Sand	Various Location	Custom Crushing	Aggregates
Tonto Supply	Custom Crusher	Custom Crushing	Aggregates
Town of Eagar	Various Mine Sites	Aggregate Plant	
Tri County Materials / AKA Morris Sand & Gravel	Various Mine Sites	Portable Aggregate Plant	Aggregates
Wheeler Construction aka WCI Mining LLC.	Various Locations	Portable Aggregate Plant	Aggregates
White Mountain Cinders		Cinders	Cinders

Contractor	Company	Mine / Plant Name	Type	Product
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5D Mining & Construction Inc.	Various Mine sites	Contractor	Maintenance
A & H Contracting Services, Inc.	Carlotta Copper	Contractor	Maintenance
A Team Electrical Service Inc.	Various Locations	Contractor	Electrical
A-O Painting, Inc.	Various Mine Sites	Contractor	Maintenance
Accurate Steel LLC	Various Plants	Contractor	
Ace Pipe Cleaning	Various Mine Sites	Contractor	Maintenance
Acme Lift Company	Various Locations	Contractor	
Adams Contracting & Excavating		Contractor	Drilling & Blasting
Advantage Field Services Inc.	Various Mine Sites	Contractor	
Advanced Lining Solutions, Inc. / AKA M & C Plastech, Inc.	Various Mine Sites	Contractor	Construction
Agate Inc.	Various Location	Contractor	
AIMS Construction		Contractor	Construction
Air Conditioning Maintenance	Various Mine Sites	Contractor	Maintenance
Air Liquide	Various Mine Sites	Contractor	02 Manufacture
All-City/Tri-City Sweeping Inc.	Asarco Ray Mine	Contractor	
Allen Pumps, Inc.	Various Locations	Contractor	
Allied Industrial Maintenance dba W. Lay Inc.	Various Mine Sites	Contractor	Mechanical Services
AMEC	ASARCO Ray Mine	Contractor	Engineering
Amec E & C Services, Inc.		Contractor	Engineering
American Fire Equipment	Various Mines	Contractor	
American Welding LLC	Various Locations	Contractor	Welding
Ames Construction	Various Mine Sites	Contractor	Construction
Applied Diving Services, Inc.	Various Mine Sites	Contractor	
Aricon 3, Inc.	Various Locations	Contractor	Maintenance
Arizona Electrical Apparatus	Various Mine Sites	Contractor	Electrical Maintenance
Arizona Equipment Fabrication LLC	Various Mine Sites	Contractor	Maintenance
Arizona Industrial Electric	Asarco Hayden	Contractor	
B & W Commercial	FMI Morenci	Contractor	Maintenance
Baker Construction, LLC	ASARCO Ray Mine	Contractor	
Baker Machinery Inc.	Various Mine sites	Contractor	
Bar T Equipment	Various Mine Sites	Contractor	
Barcon Corporation	Various Mine Sites	Contractor	Construction
Boart Longyear Coring	Statewide Locations	Contractor	Exploration Drilling
Bonita Steel Builders, Inc.	Various Mine Sites	Contractor	Construction
Bowen Machine & Fabricating, Inc.	Various Mine Sites	Contractor	Construction Maintenance
Bridgestone Industrial Products & GCR Tire Centers	Various Mine Sites	Contractor	Tire Maintenance
Brown Tank & Steel Fabricators & Erectors, Inc.	Various Mine Sites	Contractor	Equipment Service
Bud's Electric	Various Mine Sites	Contractor	Construction
Burks Valley Sanitation, LLC. aka Burks Environmental	Freeport Morenci	Contractor	Maintenance
Cactus Welding Inc.	Mesa Materials	Contractor	
Caid Industries, Inc.	Various Mine Sites	Contractor	

California Drilling & Blasting	Kalamazoo Materials	Contractor	Drilling & Blasting
Canyon Country Contracting Company	Various Mine Sites	Contractor	Construction
Carboline Company Formerly Known as Plasite Protective Coatings	Various Mine Sites	Contractor	Maintenance
Caribou Inc.	Various Mine Sites	Contractor	Elect. Maintenance
Caterpillar, Inc.	Various Mine Sites	Contractor	Industrial Supplies
CCC Group Inc.	Various Mine Sites	Contractor	Construction
Cementation U.S.A.	Resolution Copper	Contractor	Shaft Development
Centimark Corp.	Various Mine Site	Contractor	
Ch2m Hill Engineers Inc.	Various Mine Site	Contractor	Engineering
Cham Hill Contractors, Inc.	Resolution Copper	Contractor	
Chapman Electrical Contracting, Inc.	Various Mine Sites	Contractor	Construction
Chapoom Inc.		Contractor	
Chemical Transportation, Inc.	Various Mine Sites	Contractor	
Cimetta Engineering & Construction Co., Inc.	Various Mine Sites	Contractor	Maintenance
Circle JMR Corporation	Various Mine Sites	Contractor	Maintenance
Classic Lightning Protection, Inc.	Various Mine sites	Contractor	
Commercial Steel Systems		Contractor	Engineering
Con-Wear Products, Inc.	Various Locations	Contractor	Maintenance
Concrete Restoration System, Inc.	ASARCO Hayden	Contractor	
Concrete Restoration Systems, Inc. (CRSI)*	Various Mine Sites	Contractor	Construction
Concrete Sawing & Coring Inc..	Various Mine sites	Contractor	
Cookson Door Sales of Arizona	Various Mine sites	Contractor	Construction
Copper Resource Contracting	Various	Contractor	
Copperstate Industrial Inst. Inc.	Various Mine Sites	Contractor	Maintenance
Copperstate Industrial Services Inc.	FMI Sierrita	Contractor	Maintenance
Cornell Metro Phoenix	Various Mine Sites	Contractor	
CTI Leasing		Contractor	Materials Transport
Cummins Southwest, Inc.	Various Mine Sites	Contractor	Maintenance
Dakota Fabricating, Inc.	Various Mine Sites	Contractor	
Dalmolin Excavating, Inc.	Resolution West Plant	Contractor	
DBR Electric Inc.	Various Mine Sites	Contractor	Mechanical Services
DC Cattle Company	Various Mine Sites	Contractor	Reclamation
Desert Fleet Service	Various Mine Sites	Contractor	
Desert View Electric, Inc.	Various Mine sites	Contractor	
Desert West Electrical Enterprises Inc.	Various Mine Sites	Contractor	Mechanical Services
Diversified Drilling Inc.	Various Mine Sites	Contractor	Exploration Drilling

DJ's Companies, Inc.	Carlota	Contractor	
DOLS Investments Inc.	Various Mine Sites	Contractor	
Dynamic Rock Solutions LLC.	Various	Contractor	Blasting Contractor
Eagle Steel Erectors, Inc.	Carlota Copper	Contractor	
Earth Quest Plumbing, LLC	Various Mine Sites	Contractor	
Eco-Edge Co. formerly Emissions Products International	Various Locations	Contractor	
Empire Southwest, LLC	Various Mine Sites	Contractor	Maintenance
Envirosure Solutions LLC	Various	Contractor	
ESCO Supply	Various Mine	Contractor	
F. L. Schmidt, Inc.	Phoenix Cement	Contractor	Construction
Far West Insulation Contractors / AKA Thorpe Insulation Company	Various Mine Sites	Contractor	Maintenance
Field Lining Systems Inc.		Contractor	Construction
Fletchers Tire & Auto Service, Inc.	Various Mines	Contractor	Fleet Maintenance
FLUOR	Various Mine Sites	Contractor	
General Electric International, Inc.	Various Mine Sites	Contractor	Maintenance
GeoTemp Inc.	Various Mine Sites	Contractor	Contract Labor
Gila Geological Consultants LLC.	Various Locations	Contractor	
Gilbert Electric Company, Inc.	Various Mine Sites	Contractor	Maintenance
Gold Canyon Mining & Construction aka American Asphalt and Grading Co.	Various Mine Sites	Contractor	Excavation
Golder Associates, Inc.	Various Locations	Contractor	Construction
Gooch Welding	Various Mine Sites	Contractor	Construction
Granite Construction Company	Various Mine Sites	Contractor	Construction
Great Basin Industrial	Various Statewide	Contractor	Structural Steel Erector
GroundProbe NA LLC	Various Mine Sites	Contractor	
H & S Field Services, Inc.	Various Mine Sites	Contractor	Mechanical Services
Hagemeyer North America	Various Mine Sites	Contractor	Safety Supplies
Hamon Custodis	Various Mine Sites	Contractor	Maintenance
Hansen Land Surveying Inc.	Various Mine Sites	Contractor	Maintenance
Haralsons Auto Parts	FMI Morenci	Contractor	Maintenance
HCS	Various Mine Sites	Contractor	Labor
Heritage Trucking Inc.	Various Mine Sites	Contractor	Materials Transport
Howe Precast Concrete Barrier, Inc.	Various	Contractor	Concrete
Hunter Contracting Co.	Various Mine Sites	Contractor	Construction
Industrial Tool and Supply	Various	Contractor	Industrial Supplies
Interclean Equipment, Inc.	Carlotta Copper Mine	Contractor	
International Lining Technology	Various	Contractor	Construction
Ironco Enterprises, LLC	Various Mine Sites	Contractor	

J & D Excavators	Various Mine Sites	Contractor	Drilling & Blasting
J & S Fire Protection, LLC J.S. Redpath Corp.	Various Mines	Contractor Contractor	UG Mine Development Construction
Jacobs Field Services fka Aker Kvaerner Industrial Constructors, Inc.	Various Mine Sites	Contractor	
JaLin Enterprises, Inc.	Various	Contractor	Labor
James Hamilton Construction Co.	Various Mine Sites	Contractor	Construction
Jays Construction	Morenci Mine	Contractor	Construction
Jonovich Companies, Inc.	Various Mine Sites	Contractor	Maintenance
Kaltech International LLC.	ASARCO RAY	Contractor	Mill Reline
Kearny Glass & Mirror Inc.	Asarco Ray	Contractor	
Kitchell Contractors aka Kitchell Environmental	Various Mine Sites	Contractor	
Klondyke, LLC General Contractors	Various Mines	Contractor	Electrical Construction
Kone Cranes, Inc.		Contractor	
L.P.R Construction Co.	Various Mine Sites	Contractor	
Lamb Excavation, Inc.	Various Mine Sites	Contractor	Excavation
Lang Exploratory Drilling	Various Mine Sites	Contractor	Exploration Drilling Construction
Lang Wyatt Construction	Various Mines	Contractor	
Laron Inc.	Various Sites	Contractor	
Layne Christensen Company	Various Mine Sites	Contractor	Exploration Drilling
Les Industries Blais Inc.	Resolution Copper	Contractor	
Liebherr Mining Equipment Co	Various Mine Sites	Contractor	Manufacture
M.C. Donegan L.L.C.	Various Mine Sites	Contractor	Drilling & Blasting
M.W.H. Americas	Various Mine sites	Contractor	
Major Drilling America	Various Locations	Contractor	Exploration Drilling
Marcanti Electric, Inc.	State Wide	Contractor	Maintenance
Marco Crane & Rigging	Various Mine Sites	Contractor	Crane Service
Massie Electric	Various Mine sites	Contractor	
Maxim Crane Works		Contractor	Crane Service
Meridian Engineering Company	Various Mine Sites	Contractor	Maintenance
Metal Management Arizona,LLC	Various Locations	Contractor	
Milling Machinery Inc.	Asarco Hayden Concentrator	Contractor	Copper
Millwork By Design, Inc.		Contractor	Maintenance
Miner Southwest, LLC	Asarco Hayden	Contractor	Maintenance
Mining & Environmental Services LLC	Copperstone Mine	Contractor	Gold
MMI Tank, LLC.	Various Mine Plants	Contractor	Tank Fabrication
Morris Material Handling	Various Mine Sites	Contractor	Maintenance
Mountain Power Electrical Contractor, Inc.	Various Mine Sites	Contractor	Electrical Maintenance

N.A. Degerstrom Inc.	Statewide Contractor	Contractor	Copper
North Houston Pole Line	Various Locations	Contractor	Construction
O'Brien Concrete Pumping	Various Mine Sites	Contractor	Concrete
O'Keefe Drilling	Various Mine Sites	Contractor	Exploration Drilling
Odonetto Construction	Various Location	Contractor	Construction
OPTCO Industrial Coatings	Various Mine Sites	Contractor	Maintenance
Oracle Environmental, LLC	Various Mine Sites	Contractor	
OTTO Trucking Inc.	Various Mine Sites	Contractor	Materials Transport Maintenance
P & H Mine Pro Services	Various Mine Sites	Contractor	
Parelectrical Contractors	Various Locations	Contractor	
Parsons Steel Erectors, Inc.	Various Mine Sites	Contractor	Construction
Pelto Enterprises	FMI Morenci	Contractor	Reclamation
Phillips Kiln Services	Various Mine Sites	Contractor	Maintenance
Plastic Industries	Various Mines	Contractor	
Precision Bursting Services, Inc.	Nord Resources	Contractor	Copper
Purcell's Western State Tire	Various Mine Sites	Contractor	Maintenance
R. E. Lee Mechanical Contracting		Contractor	Maintenance
R. E. Monks Construction	Various Mine Sites	Contractor	Construction
RAM Enterprise Inc.	Various Locations	Contractor	Engineering
RAM Painting	Various Mine Sites	Contractor	Maintenance
REB Industrial Maintenance, LLC	Various Mine Sites	Contractor	Maintenance
Recon Refractory Construction, Inc.	Various Mine Sites	Contractor	Maintenance
Reliable Plant Maintenance	Various Mine Sites	Contractor	Sand & Gravel
Revegetation Services	Various Mine Sites	Contractor	Fertilizer minerals
Riley Industrial Services, Inc.	Asarco Ray Mine	Contractor	Blasting
Rincon LLC		Contractor	Equipment Service
Road Machinery Company	Various Mine Sites	Contractor	Maintenance
Rock Breakers Construction Inc.	Various Mines	Contractor	Drilling & Blasting
Rodeo Welding, Inc.	Various Mine Sites	Contractor	Welding
Rural AZ Maintenance Specialist dba RAM Specialist	Various Mine Sites	Contractor	Materials Transport
S H Engineering & Mfg. LLC.	Various Mine Sites	Contractor	
S. A. S. Industrial Maintenance Corp.	Various Mine Sites	Contractor	Maintenance
Sako, Inc.	Various Mine Sites	Contractor	Maintenance
Samdex Inc.	Various Mine site	Contractor	
Sanders Western States Drilling & Blasting, Inc.	Black Rock Mine	Contractor	Drilling & Blasting
Saulsbury Electric Co., Ltd	Various Mine Sites	Contractor	
Schmueser and Associates, Inc.		Contractor	
Schnabel Foundation Company	Asarco Ray Mine	Contractor	Concrete
Schuff Steel Company		Contractor	
Service Insulation Systems Inc.	Hayden Plant	Contractor	
Service Insulation Systems, Inc.	Various Mine Sites	Contractor	Maintenance

Sierra Electric Inc.	Various Mines	Contractor	
SOS Staffing	Various Sites	Contractor	Contract Labor
Southern Power Systems, Inc.	Various	Contractor	Construction
Southwest Energy Systems	Contractor	Contractor	Equipment Service
Southwest Energy, LLC	Various Mine Sites	Contractor	Drilling & Blasting
Southwest Hazard Control, Inc.	Various Mines	Contractor	
Southwest Industrial Rigging		Contractor	Construction
Stanley Security Solutions	Various Mine Sites	Contractor	Maintenance
Stewart & Stewart Industrial Electric	Various Locations	Contractor	
Stewart Brothers Drilling	Various Mine Sites	Contractor	Exploration Drilling
Sturgeon Electric	Various Mine Sites	Contractor	Maintenance
Sun Devil Fire Equipment	Various Mines	Contractor	Fire Protection
Sun Western Contractors	Various Mine Sites	Contractor	Building Construction
Sundt Corporation, Inc.	Various Mine Sites	Contractor	Construction
Sustainable Contracting Group, Inc.	Hayden Contractor	Contractor	Construction
Switchgear Solutions Inc.		Contractor	Maintenance
TB Contractors, Inc.	BHP Copper	Contractor	Construction
The Industrial Company aka TIC	Various Mine Sites	Contractor	Maintenance
Thomason's Welding	Various Sites	Contractor	Welding
Thyssenkrupp Bobins, Inc.	Various Mines	Contractor	Elevator Maintenance
TNJ Industries Inc.	FMI - Sierrita	Contractor	
Triad Lubrication LLC.	Various Mine Locations	Contractor	Maintenance
URS, Washington Division	BHP Pinto Valley	Contractor	Copper
Vance International, Inc.	Various Locations	Contractor	
Versa-Tech Coatings, LLC	Various Locations	Contractor	
Vezer's Precision Industrial Constructors International	Various Mine Sites	Contractor	
VIP International	Various Mine Sites	Contractor	Maintenance
Volts DC Automation LLC		Contractor	Mechanical Services
Vroom Engineering & Mfg.	Various Mine Sites	Contractor	Maintenance
Weatherguard Metal Construction, Inc.	ASARCO Hayden	Contractor	
Western Explosives Systems (WESCO), Inc.	Various Mine Sites	Contractor	Drilling & Blasting
Western Industrial Mechanical	Various Mine Sites	Contractor	Maintenance
Western States Drilling and Blasting, Inc.	Various Mine Sites	Contractor	Drilling & Blasting
Western Technologies		Contractor	
WW Williams / AKA Williams	Various Mine Sites	Contractor	Maintenance
Detroit Diesel-Allison			
Yellow Jacket Drilling		Contractor	

## Education and Training

The Education and Training department of the Arizona State Mine Inspector (ASMI) provided the mandatory federal mine safety training classes to the Arizona mining community. Federal MSHA (Mine Safety and Health Administration) guidelines require that all miners under MSHA jurisdiction must have initial and yearly safety training classes. This training was provided to mine employees, contractors, vendors or individuals who enter a mine property on a scheduled or consistent basis, and those looking to work at mines.

The Arizona State Mine Inspector's training staff has the ability to provide this training to the Arizona mining community because of federal MSHA grants, State allocations and with the implementation of nominal fees. In January of 2010 the ASMI Education and Training department implemented an approved "Class Enrollment Fee Program". Federal MSHA and Arizona State Legislative approvals were given to ASMI to initiate the fee program. The Arizona State Mine Inspector Office was given authority with the Forty-ninth legislative, first regular session, and chapter 63 Senate bills 1256. Title 27, chapter 1, article 2, Arizona revised statutes is amended by adding section 27-123, to read:

- A. The State Mine Inspector may adopt and collect education and training fees for the purpose of training miners in the state.
- B. The State Mine Inspector shall credit monies received for education and training purposes to the federal education and training fund, designated as the Arizona State Mine Inspector's account, to be used according to the Federal state grant rules, as appropriated.

These grants, allocations and fees gave the department the ability to staff and to travel throughout Arizona with updated materials and equipment to provide quality training.

The ASMI's Education and Training staff revised their Part 48 Training Plan which was submitted to the MSHA district office in Denver, Colorado and approved by Rocky Mountain District Manager, Richard Laufenberg. In January of 2011 ASMI began conducting separate 8 hour Annual Refresher training session and 24 hour New Miner Inexperienced training session. The New Miner classes were conducted with "New Miners" only and the specifically formatted sessions gave a strong emphasis to new miner issues and content.

The ASMI trainers issued out certificates for CFR Parts 48 and 46: Annual Refresher (AR) Surface Coal, Metal or Non-Metal, AR Underground – all 8 hour class. New Miner Inexperienced (NMI) Surface Coal, Metal or Non-Metal - 24 hour class (3 days) and FA/CPR/BBP - 6 to 8 hour class. In the fall a five day Train the Trainer session was conducted and recommendations for 5 new instructors were submitted to the MSHA district office. Some classes are also conducted in Spanish.

Subject matter covered in these classes include: The Federal Mine Safety and Health Act – 1977. Code of Federal Regulation CFR Title 30: Parts - 46, 47, 48, 50, 56, 57, 62 and

70. The Mining Code of the State of Arizona which contains the Arizona Revised Statutes, Rules & Regulations. Other topics covered include: Mandatory Health & Safety Standards – Prevent Fatalities “Rules To Live By” – 2010 and 2011 MSHA Fatalgrams Review and Discussion - Statutory Rights and Responsibilities of Miners – “Miners Voice In the Workplace” - Authority & Responsibility of Supervisors & Miners Representatives - Drug & Alcohol Free Workplace Issues & Programs - Transportation and Communication Controls - Noise and Respiratory Health Standards - Mine Hazard Recognition - Prevention of Accidents - Ground Control Issues – Fall of Ground – Explosives - Electrical Hazards – Lock Out Tag Out - Hazard Communication – The Miners Right to Know - MSDS (Chemical Hazards) - Emergency and Escape Procedures – Fire Prevention - Underground Hazards and Issues – Mine Gases – Surface Coal Mine Issues – U.S. and Arizona Mining History - Basic First Aid, CPR, BBP, AED, Shock, Control of Bleeding, & Body Injuries - Abandoned Mines Safety Awareness – “Stay Out Stay Alive”.

Students completing safety training in 2011

Miners, Contractors, Others.....	3,235
First Aid / CPR / BBP.....	155
Total Participants Trained.....	3,390
Total Certificates Issued.....	3,691

(Some participants received multiple certifications for CFR Part 48 & 46)

In 2011 the requests for this training continued and a great appreciation from mine operators, contractors and others for the quality and consistency of the training. Providing this service allows some miners the needed training to continue working and others a step into the door of a potential mining job. The Arizona State Mine Inspector’s E&T Department is dedicated to quality and professional training. Its staff’s priority is to relay and remind in an honest, understanding and forceful manner to all miners of our greatest responsibility. That greatest responsibility is the goal of beginning and completing a good safe day of work, then returning home to your family and friends.

### **Abandoned Mines Inventory and Remediation**

The abandoned mine program responsibilities are to inventory abandoned mine sites throughout the 72, 931,840 acres that comprise the state of Arizona and to coordinate the closure of these mines. There have been 9,901 inventoried and 4079 evaluated to date. This inventory and evaluation is critical, since abandoned mines may pose a serious threat to public’s health and safety. While many sites are shallow prospects, others have dangerous shafts and tunnels. During calendar year 2011 ASMI inventoried and evaluated 349 mine features; 101 mines were secured and 114 Notice of Violations were issued to private land owners or mining claimants.

Complaints are investigated as soon as possible following their receipt. If the mine is in an area previously inventoried the file is consulted to determine the conditions. A field crew is then detached to investigate the site, making a photographic record of the site and detailing the conditions found. The State Land Department, Bureau of Land Management and county is contacted for determination of the owner or claimant. A Notice of Violation is issued informing the owner of his legal responsibilities under the law. The owner must respond with corrective actions or plans within 60 days of notification. In the rare case of the owner not responding, the matter may be turned over to the county prosecutor for further follow-up. Ownership or responsibility for abandoned mines is difficult or impossible to determine in some instances. When no responsible party can be found, the state must take responsibility for mine closure.

### **Abandoned Mine Accidents**

During fiscal year 2011 no serious accidents or fatalities were reported.

### **Mined Land Reclamation**

#### **Hard Rock Mining**

Since April 1997, the Arizona's Mined Land Reclamation Act (A.R.S. § 27-901 et. seq.) and the rules per Arizona Administrative Code (A.A.C. R11-2-101 et. seq.), requires all metalliferous mines with five or more acres of disturbance on private land to submit reclamation plans and financial assurance mechanisms to the State Mine Inspector for review and approval. The mine owners/operators with approved plans are required to submit annual status report updates. The annual status updates (received in 2011), reported an approximate total 26 acres of private mined lands were reclaimed for 2011, and 942 acres of new disturbance were reported during this yearly reporting period. According to the reportable mine sites for the metalliferous (hardrock) mining industry, the Arizona State Mine Inspector estimates approximately 79,420 acres have been disturbed through all reportable years, with an approximate estimate of 4578 acres of private mined lands having been reclaimed.

<b>Mining Company</b>	<b>Mine Site</b>	<b>2011 Acres Reclaimed</b>	<b>2011 Acres Disturbed</b>
dwest Minerals	Gold Road	0	-
ASARCO	Hayden	0	12
ASARCO	Mission	0	8
ASARCO	Ray	0	72
ASARCO	Santa Cruz	0	-
Silver Bell LLC (Asarco)	Silver Bell	0	69
BHP Billiton	Miami Unit	-	-
BHP Billiton	Pinto Valley	-	-
BHP Billiton	San Manuel	-	-
Resolution Copper (BHP)	Superior	-	-

Merrill Mining (BHP Copper)	Florence	-	0
BHP Copper	McCabe	-	-
Carlota Copper Co.	Carlota	-	295
Mercator Mineral Park, Inc.	Mineral Park	-	19
Nord Resources	Johnson Camp	-	-
Freeport-McMoRan Mining	Ajo mine	-	-
Freeport-McMoRan Mining	Bagdad	0	147
Freeport-McMoRan Mining	Miami	25	0
Freeport-McMoRan Mining	Morenci	0	126
Freeport-McMoRan Mining	Sierrita	0	22
Freeport-McMoRan Mining	Twin Buttes	0	0
Freeport-McMoRan Mining	Safford	0	172
<b>Totals</b>		<b>25</b>	<b>942</b>

### **Aggregate Mining**

Since January 2007, the Arizona's Mined Land Reclamation Act, Arizona Revised Statutes (A.R.S.) § 27-1201 et. seq. required all aggregate mines (sand & gravel), with five or more acres of disturbance on private land, to submit reclamation plans and financial assurance mechanisms to the State Mine Inspector for review and approval. Currently 190 aggregate mining sites have an approved reclamation plan through the Reclamation Division, of the State Mine Inspector Agency.

In accordance with A.R.S. § 27-1277, (statute requirements enacted in 2010), the Aggregate Mine owner/operators with approved plans are required to submit annual status report updates. The annual status updates (received in 2010-2011), reported an approximate 133 acres of mined lands were reclaimed for 2011, and 936 acres of new disturbance were reported during this yearly reporting period. In the 2011 reporting period, the aggregate industry continues to struggle with a continued slowdown of the industry along with Arizona's downsize of the construction industry activity. According to the reportable mine sites for the sand & gravel industry (Aggregate) mining industry.

The Arizona State Mine Inspector estimates approximately 46,954 acres of private land, have been approved, for the potential of aggregate industry utilization, and is estimated for future land disturbance. Currently, 12,525 acres have been reportedly disturbed through all reportable years, with an approximate estimate of 376 acres of private mined lands having been reclaimed.