

Agency Summary

State Mine Inspector

Paul D. Marsh, State Mine Inspector

Phone: 6025425971

A.R.S. §§ 27-121 et seq.

Mission:

To administer and enforce the Mining Code of the State of Arizona for the protection of the life, health, and safety of mine employees and the public in Arizona's active, inactive and abandoned mines.

Description:

The State Mine Inspector is a statewide elected constitutional officer and Director of the Office of the State Mine Inspector. The Office enforces laws and regulations applicable to mine safety, health, explosives, and land reclamation. The Office inspects the health and safety conditions and practices at active mining operations; investigates mine accidents and employee and public complaints; and conducts federally certified miner and instructor safety training.

The Office administers reclamation financial assurance and enforces the mined land reclamation laws and regulations for the restoration of disturbed lands to a safe and stable environmental condition. The Office promotes public safety regarding abandoned mines. The Office conducts complaint investigations; issues mine-owner compliance notifications; and identifies, assesses, and secures mine safety hazards. The Office also issues permits, licenses, and certificates for elevators and electrical connections and monitors the manufacturing, storing, selling, transferring, and disposal of all explosives or blasting agents.

Agency Summary: (\$ Thousands)

Program	FY 2024 Actual	FY 2025 Estimate	FY 2026 Estimate
▶ Mining Safety Enforcement	1,244.1	1,468.6	2,148.6
▶ Abandoned Mines	685.8	830.7	830.7
▶ Education and Training - Federal Grant	511.7	554.6	554.6
▶ Mined Land Reclamation	139.5	112.9	112.9
Agency Total:	2,581.2	2,966.8	3,646.8

Funding:

	FY 2024 Actual	FY 2025 Estimate	FY 2026 Estimate
General Fund	1,930.0	2,299.3	2,979.3
Other Appropriated Funds	139.5	112.9	112.9
Other Non-Appropriated Funds	511.7	554.6	554.6
Total Funding	2,581.2	2,966.8	3,646.8

FTE Positions	19.0	20.0	20.0
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5 Year Plan

Issue 1 Absence of a Centralized Database

Description: The Arizona State Mine Inspector's office (ASMI) database systems used to record, track and manage documents within the Agency jurisdiction are antiquated and over thirty years old. The four main divisions, Inspections, Abandoned Mines, Mine Health and Safety (MSHA) Education and Training and Reclamation has data isolated within FileMaker Pro, Microsoft Access and / or Microsoft Excel; all of which do not communicate with one another. The absence of a centralized database that manages the agency mandatory data and the lack of interaction between the systems inhibits ASMI from providing the most up-to-date information stakeholders, requires hours of research in multiple databases and files and encourages triplication of data entry in three different systems.

The Arizona State Mine Inspector is required to inspect at least once a year every mine in the state for

compliance to the Arizona Revised Statutes and the Rules and Regulations. In ARS 27- 124 the inspector is further required to inspect the mining operation for conditions, safety appliances, machinery, equipment, sanitation and ventilation, the means of ingress and egress, the means taken to protect the lives, health and safety of the miners. Arizona Revised Statute 27-309, ASMI must investigate the cause of fatal accidents resulting in a death occurring at the mine and file written report. Arizona Revised Statute 27-308, ASMI is required to investigate written safety complaints and will accept verbal complaints that are reasonably likely to be fatal.

FileMaker Pro is utilized by the Inspections Team to track an estimated 566 active mines inspections reports, notice of violations, abatements, fatal and serious injuries, cessation orders and complaints. It is also used to track inspections of mine operators diesel permits and elevator inspections. Currently the ASMI Inspector's complete all the above mentioned forms manually in the field and once an Inspector returns to their hotel, office and or home the data is entered into the appropriate form in FileMaker Pro. In addition, public information and legal requests, annual reports, budget information and internal information is requested throughout the year; In order to fulfill the requests for information the inspectors must extract raw data out of FileMaker Pro and into Excel which initiates a series of sorting (which can take hours or days depending on the requested information).

A.R.S. § 27-129. Locating abandoned mines; public education; donor immunity

A. Subject to legislative appropriation, the state mine inspector shall establish a program to locate, inventory, classify and eliminate public safety hazards at abandoned mines as defined in section 27-301. The state mine inspector shall spend state appropriated monies to locate, inventory, classify and eliminate public safety hazards at abandoned mines on state land first and thereafter any public safety hazards at abandoned mines on land not owned by this state.

B. Using reasonable efforts, the state mine inspector shall attempt to notify in writing the owner, or other responsible party, of an abandoned mine at which a public safety hazard exists of the requirements of section 27-318 with respect to abandoned mines.

The Abandoned Mines Division utilizes Microsoft Access to track 10,000 + abandoned mine locations (number of abandoned mines added to database increase daily) , hazard analysis evaluations, notice of violations to mine claimants, operators and private land owners and mitigation of abandoned mine hazards. Currently the Abandoned Mine Specialists manually complete the hazard analysis form in the field and once they return to their hotel, office and / or home the data is entered onto the appropriate electronic form, transferred to the ASMI server in a folder for the a AML administrative assistant to then enter into the AML Microsoft Access database. Currently, the AML Team cannot store hazard analysis or notice of violation forms, mitigation actions, before and after photos, public complaints in the database so the data is stored in three different areas (Microsoft Access, FileMaker Pro and electronic file folders on the server.)

FileMaker Pro is all so used to track reclamation plan approvals, administrative and technical reviews, financial assurances, annual reports pursuant to A.R.S 27-901 – A.R.S. 27-997 and A.R.S. 27-1201 – A.R.S. 27-1327 and although there is not duplication regarding enter the information into the database.

Finally, FileMaker Pro and Microsoft Access is not Cloud compatible and therefore ASMI does not have the Agency data / files stored in Google Cloud, it is stored in two software programs, Excel spreadsheets and subfolders on the server.

The below list of documents are to capture some of the agency pain points regarding documents that are manually completed in the field each day for all mines investigated, inventoried and / or evaluated, reevaluated or mitigated by a Deputy Inspector or Abandoned Mines Specialist and later transferred to FileMaker Pro, Microsoft Access, Word, Excel and electronic subfolders for each mine.

- Health & Safety Inspections Report Health
- Safety Compliance Inspection
- Cessation Order Inspections
- Activity Report Inspections
- Reclamation Activity Report
- Complaint Investigations
- Fatal / Serious Orders Fatal / Serious Investigations
- Identity Update
- Mine Master
- Stop / Move
- Quarterly Report
- Lost Time Accident
- Abandoned Mine Hazard Analysis
- Notice of Violations
- Abandoned Mine Ownership Request
- Abandoned Mine Complaints
- Corrective Actions taken

Solutions:

To replace the agency's deprecated technology with world-class customer relationship management, case management, and inspection software built on a configurable platform. This will enable the agency to update and modernize workflows, provide robust tools for back-office and field operations while capturing valid data and leveraging it for business decision-making and improving the ability to fulfill the mission.

Replace existing software systems:

- FileMaker Pro - 33 years old
- Microsoft Access – 31 years old
- Subsystems – Excel, Word

To have the capability to enter most, if not all, data on a tablet in the field rather than 1) manually handwriting the information on the forms, 2) returning to an office location and transferring the data to electronic forms, 3) transferring that data into the current server and 4) having agency data stored in multiple software programs. A new database would significantly increase agency efficiency and effectiveness to focus on the safety and health of miners and the public rather spending an estimated 30% of resources repeating the same work that was completed while in the field.

Phase 1:

To thoroughly understand the current state of the department from a people, process and technology perspective, so that Vendor may guide the department to the next phase of project implementation with the necessary information that results in a cost-effective successful implementation.

Phase 2:

To implement the platform and configure the solution to meet the needs of the agency today, while ensuring agility in making changes for anticipated needs in the years to come. Additionally, all staff will be trained and guided on the new platform with many opportunities to provide feedback thus making it a customer- and staff-centric solution that works for them.

Resource Assumptions

	FY 2027 Estimate	FY 2028 Estimate	FY 2029 Estimate
Full-Time Equivalent Positions	22.0	22.0	22.0
General Fund	2,592.2	2,592.2	2,592.2
Other Appropriated Funds	112.9	112.9	112.9
Non-Appropriated Funds	100.0	100.0	100.0
Federal Funds	435.2	435.2	435.2

Program Summary

Mining Safety Enforcement (MIA-1-0)

Paul D. Marsh , State Mine Inspector

Phone: 602-542-5971

A.R.S. § 27-124

Mission:

To enforce the Mining Code of the State of Arizona for the protection of the life, health and safety of the employees in Arizona's active mining operations.

Description:

The Mine Safety Enforcement Program performs quarterly and annual health and safety inspections at active underground and surface mines and related facilities; conducts investigations of mine accidents, employee and citizen complaints; and provides certification classes in mine rescue and first aid. The program issues violations, cessation orders, mine elevator operating, electrical connection permits and underground diesel equipment operating permits as tools to promote safe and healthful work conditions. Operations under this program's jurisdiction include asphalt hot plants, concrete batch plants, aggregate pits, quarries and processing plants; underground and open pit mines, quarries, mills, SX-EW Plants, smelters, refineries, and rod plants. Jurisdiction also covers contractor employees working at mine sites and the administration of Sand and Gravel Districts. Deputy Mine Inspectors also perform complaint investigations and land owner compliance inspections at abandoned mines to support the Abandoned Mines Program.

Funding:

	FY 2024 Actual	FY 2025 Estimate	FY 2026 Estimate
General Fund	1,244.1	1,468.6	2,148.6
Total Funding	1,244.1	1,468.6	2,148.6

FTE Positions	10.0	10.0	10.0
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- ◆ **Goal 1** To eliminate fatal accidents and to reduce the number and severity of lost time accidents at Arizona mines, through health and safety inspections and enforcement of the mining code.

Performance Measures	FY 2023 Actual	FY 2024 Estimate	FY 2024 Actual	FY 2025 Estimate	FY 2026 Estimate
Customer satisfaction rating for Mines (scale 1-8)	6.6	8.0	6.1	8.0	8.0
Employee and Public Complaints Investigated	12	12	7	7	7
Percent mandated inspections completed	95.0	95.0	82.0	82.0	82.0
Number of safety inspections completed	742	742	606	606	606
Number of reportable (lost time) mine accidents	281	281	240	240	240

Program Summary	
Abandoned Mines (MIA-2-0)	
Laurie Swartzbaugh, Deputy Director	
Phone: 6025425971	
A.R.S. § 27-318	

Mission:

To promote public safety by field identification, hazard assessment, mine owner compliance notification and administration of the securing of dangerous abandoned mines in compliance with the endangered species and plant acts, historical acts and environmental acts.

Description:

The Abandoned Mines program's 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 are prioritized to primarily locate mines on State lands, secondly on other public lands, and then thirdly on private lands within the 73 million acres that comprise the State of Arizona. The 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. The database of surveyed abandoned mines is used to prioritize the significant public and environmental hazards for remediation and reclamation planning. The inventory also allows the Office to accurately investigate public complaints about abandoned mines in a timely manner. An abandoned mine may be used for criminal activities, such as a cache for stolen explosives or a body disposal site. The program assists law enforcement criminal and missing persons investigations and body recoveries. The administration of securing abandoned mines first prioritizes sites on State owned lands listed in the inventory based on the severity of the threat posed to public and environmental safety. Through this prioritization, structures are designated as necessary for abandoned mine closures on State lands. The cost of field construction work to secure these mines is provided by 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 the identification and securing of 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, 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, and the National Association of Abandoned Mined Land Programs, which is comprised of 27 states and three Indian Tribes.

Funding:

	FY 2024 Actual	FY 2025 Estimate	FY 2026 Estimate
General Fund	685.8	830.7	830.7
Total Funding	685.8	830.7	830.7

FTE Positions	5.0	6.0	6.0
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- ◆ **Goal 1** To promote public health and safety by identifying and assessing abandoned mines, and securing those found to be a threat to the public and the environment.

Performance Measures	FY 2023 Actual	FY 2024 Estimate	FY 2024 Actual	FY 2025 Estimate	FY 2026 Estimate
Number of abandoned mine complaints handled. See AML Complaints File "s drive".	4	4	16	12	16
Number of abandoned mine openings secured	68	160	28	28	28
Number of prior abandoned mine closures reviewed	47	100	141	141	141

Program Summary	
Education and Training - Federal Grant (MIA-3-0)	
Ron Weber, Education & Training Program Manager	
Phone: 6025425971	
A.R.S. § 27-124, Title 30 CFR	

Mission:

To educate and train inexperienced and experienced mine employees in safe work practices and compliance with state and federal mine safety regulations.

Description:

The Mandatory Safety and Health Standards for all mines in the United States are subject to the Federal Mine Safety and Health Act of 1977. The purpose of these standards is the protection of life, the promotion of health and safety, and the prevention of accidents.

The Office of the Arizona State Mine Inspector holds true to the same concerns, values and goals of protecting current and future miners and the public. The Arizona State Mine Inspector and staff regulate and follow the Mining Code of the State of Arizona which contains the guidelines of the Arizona Revised Statutes and Rules and Regulations. Our goal is the protection of miners and the public through regulation, enforcement rules, education and training.

Mine safety and health education and training is very important to Arizona's mine operators, their employees, contractors and the public. The Education and Training department provides the mandatory federal mine safety training classes to the Arizona mining community. Requests for safety training from Arizona's mine operators, contractors and workers is in great demand.

The Education and Training Program certifies instructors, develops lesson plans, conducts classes and organizes safety conferences for mine safety education and training. The emphasis is placed on miners' rights and current health and safety regulations in compliance with the Mining Code of the State of Arizona, A.R.S. § Title 27, and the Federal Mine Safety and Health Act of 1977, Title 30 CFR, Parts 46, 48, 49, 56, 57,58, and 62. In addition to mining company employees, all contractors, vendors, rescue teams, and others regularly exposed to mine hazards at a mine property are required to have various levels of training furnished by the Education and Training Program.

Funding:

	FY 2024 Actual	FY 2025 Estimate	FY 2026 Estimate
Other Non-Appropriated Funds	511.7	554.6	554.6
Total Funding	511.7	554.6	554.6
FTE Positions	4.0	4.0	4.0

◆ **Goal 1** To eliminate fatal accidents and reduce the number and severity of lost time due to accidents.

Performance Measures	FY 2023 Actual	FY 2024 Estimate	FY 2024 Actual	FY 2025 Estimate	FY 2026 Estimate
Average course content rating	4.9	4.9	4.8	4.8	4.8
Average instructor rating	4.9	4.9	4.9	4.9	4.9
Number of Arizona miners and contractors trained	2,386	2,600	3,131	3,131	3,131

Program Summary	
Mined Land Reclamation (MIA-4-0)	
Amanda Lothar, Reclamation Specialist	
Phone: 6025425971	
A.R.S. §27-921 & A.R.S. §27-1221	

Mission:

To promote the restoration of lands disturbed by mining to a safe and stable environmental condition through enforcement of the Mined Land Reclamation laws, rules and regulations as applicable to new mineral exploration, new mines and the expansion or closure of existing active mines.

Description:

The Mined Land Reclamation Program, working in cooperation with mining companies, consultants and other state and federal governmental agencies, approves or rejects mine reclamation plans and financial assurance mechanisms submitted by all metalliferous mining units, aggregate mining pits, quarries and exploration operations with surface disturbances greater than five acres. Annual reviews of financial assurances and on-site inspections for on-going reclamation projects and of the regulated mines are parts of the continual monitoring process to establish compliance to the Mined Land Reclamation laws.

Funding:

	FY 2024 Actual	FY 2025 Estimate	FY 2026 Estimate
Other Appropriated Funds	139.5	112.9	112.9
Total Funding	139.5	112.9	112.9

- ◆ **Goal 1** To promote the restoration of lands disturbed by mining to a safe and stable environmental condition. The Arizona Revised Statutes Title 27, Chapter 1, Article 2 identifies the need for a State Mine Inspector Agency. Chapter 5 & 6 were established for Mi

Performance Measures	FY 2023 Actual	FY 2024 Estimate	FY 2024 Actual	FY 2025 Estimate	FY 2026 Estimate
Number of annual mined land reclamation compliance reviews	212	212	194	194	194

Agency 5 Year Plan

MIA State Mine Inspector

Issue 1 Absence of a Centralized Database

Description: The Arizona State Mine Inspector's office (ASMI) database systems used to record, track and manage documents within the Agency jurisdiction are antiquated and over thirty years old. The four main divisions, Inspections, Abandoned Mines, Mine Health and Safety (MSHA) Education and Training and Reclamation has data isolated within FileMaker Pro, Microsoft Access and / or Microsoft Excel; all of which do not communicate with one another. The absence of a centralized database that manages the agency mandatory data and the lack of interaction between the systems inhibits ASMI from providing the most up-to-date information stakeholders, requires hours of research in multiple databases and files and encourages triplication of data entry in three different systems.

The Arizona State Mine Inspector, is required to inspect at least once a year every mine in the state for compliance to the Arizona Revised Statutes and the Rules and Regulations. In ARS 27- 124 the inspector is further required to inspect the mining operation for conditions, safety appliances, machinery, equipment, sanitation and ventilation, the means of ingress and egress, the means taken to protect the lives, health and safety of the miners. Arizona Revised Statute 27-309, ASMI must investigate the cause of fatal accidents resulting in a death occurring at the mine and file written report. Arizona Revised Statute 27-308, ASMI is required to investigate written safety complaints and will accept verbal complaints that are reasonably likely to be fatal.

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A.R.S. § 27-129. Locating abandoned mines; public education; donor immunity

A. Subject to legislative appropriation, the state mine inspector shall establish a program to locate, inventory, classify and eliminate public safety hazards at abandoned mines as defined in section 27-301. The state mine inspector shall spend state appropriated monies to locate, inventory, classify and eliminate public safety hazards at abandoned mines on state land first and thereafter any public safety hazards at abandoned mines on land not owned by this state.

B. Using reasonable efforts, the state mine inspector shall attempt to notify in writing the owner, or other responsible party, of an abandoned mine at which a public safety hazard exists of the requirements of section 27-318 with respect to abandoned mines.

The Abandoned Mines Division utilizes Microsoft Access to track 10,000 + abandoned mine locations (number of abandoned mines added to database increase daily) , hazard analysis evaluations, notice of violations to mine claimants, operators and private land owners and mitigation of abandoned mine hazards. Currently the Abandoned Mine Specialists manually complete the hazard analysis form in the field and once they return to their hotel, office and / or home the data is entered onto the appropriate electronic form, transferred to the ASMI server in a folder for the a AML administrative assistant to then enter into the AML Microsoft Access database. Currently, the AML Team cannot store hazard analysis or notice of violation forms, mitigation actions, before and after photos, public complaints in the database so the data is stored in three different areas (Microsoft Access, FileMaker Pro and electronic file folders on the server.)

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Agency 5 Year Plan

or mitigated by a Deputy Inspector or Abandoned Mines Specialist and later transferred to FileMaker Pro, Microsoft Access, Word, Excel and electronic subfolders for each mine.

- Health & Safety Inspections Report Health
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- Cessation Order Inspections
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- Reclamation Activity Report
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- Identity Update
- Mine Master
- Stop / Move
- Quarterly Report
- Lost Time Accident
- Abandoned Mine Hazard Analysis
- Notice of Violations
- Abandoned Mine Ownership Request
- Abandoned Mine Complaints
- Corrective Actions taken

Solutions:

To replace the agency's deprecated technology with world-class customer relationship management, case management, and inspection software built on a configurable platform. This will enable the agency to update and modernize workflows, provide robust tools for back-office and field operations while capturing valid data and leveraging it for business decision-making and improving the ability to fulfill the mission.

Replace existing software systems:

- FileMaker Pro - 33 years old
- Microsoft Access – 31 years old
- Subsystems – Excel, Word

To have the capability to enter most, if not all, data on a tablet in the field rather than 1) manually handwriting the information on the forms, 2) returning to an office location and transferring the data to electronic forms, 3) transferring that data into the current server and 4) having agency data stored in multiple software programs. A new database would significantly increase agency efficiency and effectiveness to focus on the safety and health of miners and the public rather spending an estimated 30% of resources repeating the same work that was completed while in the field.

Phase 1:

To thoroughly understand the current state of the department from a people, process and technology perspective, so that Vendor may guide the department to the next phase of project implementation with the necessary information that results in a cost-effective successful implementation.

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To implement the platform and configure the solution to meet the needs of the agency today, while ensuring agility in making changes for anticipated needs in the years to come. Additionally, all staff will be trained and guided on the new platform with many opportunities to provide feedback thus making it a customer- and staff-centric solution that works for them.

Resource Assumptions

	FY 2027 Estimate	FY 2028 Estimate	FY 2029 Estimate
Full-Time Equivalent Positions	22.0	22.0	22.0
General Fund	2,592.2	2,592.2	2,592.2
Other Appropriated Funds	112.9	112.9	112.9
Non-Appropriated Funds	100.0	100.0	100.0

Agency 5 Year Plan

Federal Funds

435.2

435.2

435.2

AGENCY SUMMARY

Program: MIA State Mine Inspector
Director: Paul D. Marsh, State Mine Inspector
Phone: 6025425971
Statute: A.R.S. §§ 27-121 et seq.
Plan Contact: Laurie Swartzbaugh, Deputy Director
6025425971

Mission:

To administer and enforce the Mining Code of the State of Arizona for the protection of the life, health, and safety of mine employees and the public in Arizona's active, inactive and abandoned mines.

Description:

The State Mine Inspector is a statewide elected constitutional officer and Director of the Office of the State Mine Inspector. The Office enforces laws and regulations applicable to mine safety, health, explosives, and land reclamation. The Office inspects the health and safety conditions and practices at active mining operations; investigates mine accidents and employee and public complaints; and conducts federally certified miner and instructor safety training.

The Office administers reclamation financial assurance and enforces the mined land reclamation laws and regulations for the restoration of disturbed lands to a safe and stable environmental condition. The Office promotes public safety regarding abandoned mines. The Office conducts complaint investigations; issues mine-owner compliance notifications; and identifies, assesses, and secures mine safety hazards. The Office also issues permits, licenses, and certificates for elevators and electrical connections and monitors the manufacturing, storing, selling, transferring, and disposal of all explosives or blasting agents.

AGENCY SUMMARY

Program: MIA State Mine Inspector
Director: Paul D. Marsh, State Mine Inspector
Phone: 6025425971
Statute: A.R.S. §§ 27-121 et seq.
Plan Contact: Laurie Swartzbaugh, Deputy Director
 6025425971

PROGRAM SUMMARY

Program: Mining Safety Enforcement (MIA-1-0)
Contact: Paul D. Marsh, State Mine Inspector
Phone: Phone: 602-542-5971
Statute: A.R.S. § 27-124

Mission:

To enforce the Mining Code of the State of Arizona for the protection of the life, health and safety of the employees in Arizona's active mining operations.

Description:

The Mine Safety Enforcement Program performs quarterly and annual health and safety inspections at active underground and surface mines and related facilities; conducts investigations of mine accidents, employee and citizen complaints; and provides certification classes in mine rescue and first aid. The program issues violations, cessation orders, mine elevator operating, electrical connection permits and underground diesel equipment operating permits as tools to promote safe and healthful work conditions. Operations under this program's jurisdiction include asphalt hot plants, concrete batch plants, aggregate pits, quarries and processing plants; underground and open pit mines, quarries, mills, SX-EW Plants, smelters, refineries, and rod plants. Jurisdiction also covers contractor employees working at mine sites and the administration of Sand and Gravel Districts. Deputy Mine Inspectors also perform complaint investigations and land owner compliance inspections at abandoned mines to support the Abandoned Mines Program.

◆ **Goal 1 To eliminate fatal accidents and to reduce the number and severity of lost time accidents at Arizona mines, through health and safety inspections and enforcement of the mining code.**

Performance Measures:			FY 2023	FY 2024	FY 2024	FY 2025	FY 2026
ML	Budget	Type	Actual	Estimate	Actual	Estimate	Estimate
X		OC Customer satisfaction rating for Mines (scale 1-8)	6.6	8.0	6.1	8.0	8.0
X		OP Employee and Public Complaints Investigated	12	12	7	7	7
X		EF Percent mandated inspections completed	95.0	95.0	82.0	82.0	82.0
X		EF Number of safety inspections completed	742	742	606	606	606
X	X	OC Number of reportable (lost time) mine accidents	281	281	240	240	240

AGENCY SUMMARY

Program: MIA State Mine Inspector
Director: Paul D. Marsh, State Mine Inspector
Phone: 6025425971
Statute: A.R.S. §§ 27-121 et seq.
Plan Contact: Laurie Swartzbaugh, Deputy Director
 6025425971

PROGRAM SUMMARY

Program: Abandoned Mines (MIA-2-0)
Contact: Laurie Swartzbaugh, Deputy Director
Phone: Phone: 6025425971
Statute: A.R.S. § 27-318

Mission:

To promote public safety by field identification, hazard assessment, mine owner compliance notification and administration of the securing of dangerous abandoned mines in compliance with the endangered species and plant acts, historical acts and environmental acts.

Description:

The Abandoned Mines program's 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 are prioritized to primarily locate mines on State lands, secondly on other public lands, and then thirdly on private lands within the 73 million acres that comprise the State of Arizona. The 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. The database of surveyed abandoned mines is used to prioritize the significant public and environmental hazards for remediation and reclamation planning. The inventory also allows the Office to accurately investigate public complaints about abandoned mines in a timely manner. An abandoned mine may be used for criminal activities, such as a cache for stolen explosives or a body disposal site. The program assists law enforcement criminal and missing persons investigations and body recoveries. The administration of securing abandoned mines first prioritizes sites on State owned lands listed in the inventory based on the severity of the threat posed to public and environmental safety. Through this prioritization, structures are designated as necessary for abandoned mine closures on State lands. The cost of field construction work to secure these mines is provided by 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 the identification and securing of 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, 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, and the National Association of Abandoned Mined Land Programs, which is comprised of 27 states and three Indian Tribes.

◆ **Goal 1 To promote public health and safety by identifying and assessing abandoned mines, and securing those found to be a threat to the public and the environment.**

Performance Measures:

ML	Budget	Type		FY 2023	FY 2024	FY 2024	FY 2025	FY 2026
				Actual	Estimate	Actual	Estimate	Estimate
X		OP	Number of abandoned mine complaints handled. See AML Complaints File "s drive".	4	4	16	12	16
X		OP	Number of prior abandoned mine closures reviewed	47	100	141	141	141
X	X	OP	Number of abandoned mine openings secured	68	160	28	28	28

AGENCY SUMMARY

Program: MIA State Mine Inspector
Director: Paul D. Marsh, State Mine Inspector
Phone: 6025425971
Statute: A.R.S. §§ 27-121 et seq.
Plan Contact: Laurie Swartzbaugh, Deputy Director
 6025425971

PROGRAM SUMMARY

Program: Education and Training - Federal Grant (MIA-3-0)
Contact: Ron Weber, Education & Training Program Manager
Phone: Phone: 6025425971
Statute: A.R.S. § 27-124, Title 30 CFR

Mission:

To educate and train inexperienced and experienced mine employees in safe work practices and compliance with state and federal mine safety regulations.

Description:

The Mandatory Safety and Health Standards for all mines in the United States are subject to the Federal Mine Safety and Health Act of 1977. The purpose of these standards is the protection of life, the promotion of health and safety, and the prevention of accidents.

The Office of the Arizona State Mine Inspector holds true to the same concerns, values and goals of protecting current and future miners and the public. The Arizona State Mine Inspector and staff regulate and follow the Mining Code of the State of Arizona which contains the guidelines of the Arizona Revised Statutes and Rules and Regulations. Our goal is the protection of miners and the public through regulation, enforcement rules, education and training.

Mine safety and health education and training is very important to Arizona's mine operators, their employees, contractors and the public. The Education and Training department provides the mandatory federal mine safety training classes to the Arizona mining community. Requests for safety training from Arizona's mine operators, contractors and workers is in great demand.

The Education and Training Program certifies instructors, develops lesson plans, conducts classes and organizes safety conferences for mine safety education and training. The emphasis is placed on miners' rights and current health and safety regulations in compliance with the Mining Code of the State of Arizona, A.R.S. § Title 27, and the Federal Mine Safety and Health Act of 1977, Title 30 CFR, Parts 46, 48, 49, 56, 57,58, and 62. In addition to mining company employees, all contractors, vendors, rescue teams, and others regularly exposed to mine hazards at a mine property are required to have various levels of training furnished by the Education and Training Program.

◆ **Goal 1 To eliminate fatal accidents and reduce the number and severity of lost time due to accidents.**

Performance Measures:

ML	Budget	Type		FY 2023 Actual	FY 2024 Estimate	FY 2024 Actual	FY 2025 Estimate	FY 2026 Estimate
X		OP	Number of Arizona miners and contractors trained	2,386	2,600	3,131	3,131	3,131
X		QL	Average course content rating	4.9	4.9	4.8	4.8	4.8
X		QL	Average instructor rating	4.9	4.9	4.9	4.9	4.9

AGENCY SUMMARY

Program: MIA State Mine Inspector
Director: Paul D. Marsh, State Mine Inspector
Phone: 6025425971
Statute: A.R.S. §§ 27-121 et seq.
Plan Contact: Laurie Swartzbaugh, Deputy Director
 6025425971

PROGRAM SUMMARY

Program: Mined Land Reclamation (MIA-4-0)
Contact: Amanda Lothar, Reclamation Specialist
Phone: Phone: 6025425971
Statute: A.R.S. §27-921 & A.R.S. §27-1221

Mission:

To promote the restoration of lands disturbed by mining to a safe and stable environmental condition through enforcement of the Mined Land Reclamation laws, rules and regulations as applicable to new mineral exploration, new mines and the expansion or closure of existing active mines.

Description:

The Mined Land Reclamation Program, working in cooperation with mining companies, consultants and other state and federal governmental agencies, approves or rejects mine reclamation plans and financial assurance mechanisms submitted by all metalliferous mining units, aggregate mining pits, quarries and exploration operations with surface disturbances greater than five acres. Annual reviews of financial assurances and on-site inspections for on-going reclamation projects and of the regulated mines are parts of the continual monitoring process to establish compliance to the Mined Land Reclamation laws.

◆ **Goal 1 To promote the restoration of lands disturbed by mining to a safe and stable environmental condition. The Arizona Revised Statutes Title 27, Chapter 1, Article 2 identifies the need for a State Mine Inspector Agency. Chapter 5 & 6 were established for Mi**

Performance Measures:

ML	Budget	Type	FY 2023	FY 2024	FY 2024	FY 2025	FY 2026
			Actual	Estimate	Actual	Estimate	Estimate
X	X	OP	212	212	194	194	194
Number of annual mined land reclamation compliance reviews							

