

WIOA requirements, and the states complete grant deliverables such as state economic analyses or special workforce information, economic studies, and the annual performance report. For additional substantive information about this ICR, see the related notice published in the **Federal Register** on January 23, 2023 (88 FR 4037).

This information collection is subject to the PRA. A Federal agency generally cannot conduct or sponsor a collection of information, and the public is generally not required to respond to an information collection, unless the OMB approves it and displays a currently valid OMB Control Number. In addition, notwithstanding any other provisions of law, no person shall generally be subject to penalty for failing to comply with a collection of information that does not display a valid OMB Control Number. See 5 CFR 1320.5(a) and 1320.6.

DOL seeks PRA authorization for this information collection for three (3) years. OMB authorization for an ICR cannot be for more than three (3) years without renewal. The DOL notes that information collection requirements submitted to the OMB for existing ICRs receive a month-to-month extension while they undergo review.

*Agency:* DOL-ETA.

*Title of Collection:* Workforce Information Grants to States (WIGS).

*OMB Control Number:* 1205-0417.

*Affected Public:* State, Local, and Tribal Governments.

*Total Estimated Number of Respondents:* 54.

*Total Estimated Number of Responses:* 162.

*Total Estimated Annual Time Burden:* 31,228 hours.

*Total Estimated Annual Other Costs Burden:* \$0.

(Authority: 44 U.S.C. 3507(a)(1)(D))

Dated: April 10, 2023.

**Mara Blumenthal,**

*Senior PRA Analyst.*

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**BILLING CODE 4510-FN-P**

## DEPARTMENT OF LABOR

### Mine Safety and Health Administration

#### Petition for Modification of Application of Existing Mandatory Safety Standards

**AGENCY:** Mine Safety and Health Administration, Labor.

**ACTION:** Notice.

**SUMMARY:** This notice is a summary of a petition for modification submitted to

the Mine Safety and Health Administration (MSHA) by the party listed below.

**DATES:** All comments on the petition must be received by MSHA's Office of Standards, Regulations, and Variances on or before May 15, 2023.

**ADDRESSES:** You may submit comments identified by Docket No. MSHA-2023-0010 by any of the following methods:

1. *Federal eRulemaking Portal:*

<https://www.regulations.gov>. Follow the instructions for submitting comments for MSHA-2023-0010.

2. *Fax:* 202-693-9441.

3. *Email:* [petitioncomments@dol.gov](mailto:petitioncomments@dol.gov).

4. *Regular Mail or Hand Delivery:*

MSHA, Office of Standards, Regulations, and Variances, 201 12th Street South, Suite 4E401, Arlington, Virginia 22202-5452.

*Attention:* S. Aromie Noe, Director, Office of Standards, Regulations, and Variances. Persons delivering documents are required to check in at the receptionist's desk in Suite 4E401. Individuals may inspect copies of the petition and comments during normal business hours at the address listed above. Before visiting MSHA in person, call 202-693-9455 to make an appointment, in keeping with the Department of Labor's COVID-19 policy. Special health precautions may be required.

#### FOR FURTHER INFORMATION CONTACT:

S. Aromie Noe, Office of Standards, Regulations, and Variances at 202-693-9440 (voice), [Petitionsformodification@dol.gov](mailto:Petitionsformodification@dol.gov) (email), or 202-693-9441 (fax). [These are not toll-free numbers.]

**SUPPLEMENTARY INFORMATION:** Section 101(c) of the Federal Mine Safety and Health Act of 1977 and Title 30 of the Code of Federal Regulations (CFR) part 44 govern the application, processing, and disposition of petitions for modification.

#### I. Background

Section 101(c) of the Federal Mine Safety and Health Act of 1977 (Mine Act) allows the mine operator or representative of miners to file a petition to modify the application of any mandatory safety standard to a coal or other mine if the Secretary of Labor determines that:

1. An alternative method of achieving the result of such standard exists which will at all times guarantee no less than the same measure of protection afforded the miners of such mine by such standard; or

2. The application of such standard to such mine will result in a diminution of safety to the miners in such mine.

In addition, sections 44.10 and 44.11 of 30 CFR establish the requirements for filing petitions for modification.

#### II. Petition for Modification

*Docket Number:* M-2023-003-C.

*Petitioner:* Marion County Coal Resources, Inc., 151 Johnnycake Road, Metz, West Virginia 26585.

*Mine:* Marion County Mine, MSHA ID No. 46-01433, located in Marion County, West Virginia.

*Regulation Affected:* 30 CFR 75.1700, Oil and gas wells.

*Modification Request:* The petitioner requests a modification of 30 CFR 75.1700 to permit mining within the 300 feet diameter safety barrier of two unconventional gas wells in the Marcellus shale.

The petitioner states that:

(a) The Marion County Mine desires to plug two unconventional gas wells in the Marcellus shale so that they may be mined through. These are:

(1) The Jones 2H Marcellus Gas Well American Petroleum Institute (API) #: 47-049-02184 (2H); and

(2) The Jones 3H Marcellus Gas Well API #: 47-049-02184 (3H).

(b) The Marion County Mine is accessed through one slope and eight airshafts. The mine operates one longwall, an advancing gate section, and a mains section utilizing continuous mining machines. The mine liberates 9,000,000 cubic feet of methane per day.

(c) On July 5, 2018, MSHA and Marion County entered into a settlement concerning the contest of certain conditions in a Proposed Decision and Order (PDO) concerning 30 CFR 75.1700 at docket No. 2017-MSA-06. That agreement specifically excluded certain types of wells as follows:

Unconventional wells in the Marcellus and Utica, and all other unconventional shale oil and gas wells are not subject to this modification.

The petitioner proposes the following alternative method:

(a) The following shall require District Manager approval.

(1) The mine operator shall maintain a safety barrier of 300 feet in diameter around the Jones 2H and 3H gas wells until the District Manager approves to proceed with mining.

(2) Prior to mining within the safety barrier around these wells, the mine operator shall provide to the District Manager a sworn affidavit or declaration executed by the company official who is in charge of health and safety at the mine stating that all mandatory procedures in the PDO for cleaning out, preparing, and plugging each gas well have been completed. The affidavit or declaration shall be accompanied by all

logs, electronic or otherwise, described in section (b)(7) and any other records the District Manager requires.

(3) This petition applies to all types of underground coal mining at the mine.

(b) The following mandatory procedures shall be followed when cleaning out and preparing the Jones 2H and 3H gas wells prior to plugging:

(1) The mine operator shall test for gas emissions inside the hole before cleaning out, preparing, and plugging gas wells. The District Manager shall be contacted if the well is actively producing gas.

(2) Since these wells are unconventional and greater than 4,000 feet in depth, a diligent effort shall be made to remove all the casing in the well and clean the well down to the original arrowset packer installed just above the "kick off point" in the well. The mine operator shall completely clean out the well from the surface to at least the same arrowset packer originally installed. The mine operator shall provide the District Manager with all information it possesses concerning the geological nature of the strata and the pressure of the well. The mine operator shall make a diligent effort to remove all material from the entire diameter of the well, wall to wall.

(3) Since these wells are no longer producing and are being cleaned and prepared subject to the PDO, the operator must attempt to remove all of the casing using a diligent effort and comply with all other applicable provisions of the PDO.

(4) To make a diligent effort to remove the casing, the operator shall pull a minimum of 150 percent of the casing string weight and/or have made at least three attempts to spear the casing for the required minimum pull effort. The operator shall keep a record of these efforts, including casing length and weight, and make the record available for MSHA review.

(5) Perforations or rips are required at least every 50 feet from 400 feet below the base of the coal seam up to 100 feet above the uppermost mineable coal seam. The mine operator shall take appropriate steps to ensure that the annulus between the casing and the well walls are filled with expanding (minimum 0.5 percent expansion upon setting) cement and contain no voids.

(6) Jet/sand cutting is one method for cutting, ripping, or perforating the casing with three or more strings of casing in the coal seam in preparation for mining. This method uses compressed nitrogen gas and sand to cut the well casings. On active wells, cuts start at 200 feet above the bottom of the

casing at 200 feet intervals, to 200 feet below the bottom of the coal seam.

(7) The mine operator shall prepare down-hole logs for each well. Logs shall consist of a caliper survey, a bond log if appropriate, a deviation survey, and a gamma survey for determining the top, bottom, and thickness of all coal seams down to the coal seam to be mined or the lowest mineable coal seam, whichever is lower, potential hydrocarbon producing strata, and the location of any existing bridge plug. In addition, a log shall be maintained describing: the depth of each material encountered; the nature of each material encountered; bit size and type used to drill each portion of the hole; length and type of each material used to plug the well; length of casings removed, perforated or ripped, or left in place; any sections where casing was cut or milled; and other pertinent information concerning cleaning and sealing the well. Invoices, work-orders, and other records relating to all work on the well shall be maintained as part of this journal and provided to MSHA upon request.

(8) The mine operator shall make a diligent effort to remove the casing down to the arrowset packer installed just above the "kick off point" (where the well transitions from vertical to horizontal). If the entire vertical casing above the existing packer can be removed, the mine operator shall prepare the well for plugging and use seals described in section (b)(10).

(9) If the District Manager concludes that the completely cleaned-out well is emitting excessive amounts of gas, the mine operator shall place additional mechanical bridge plugs in the well.

(10) The mechanical bridge plug shall be placed in a competent stratum at least 400 feet below the base of the lowest mineable coal seam, but above the top of the uppermost hydrocarbon-producing stratum, unless the District Manager requires a greater distance based on the geological strata or the pressure within the well. The mine operator shall provide the District Manager with all information they possess concerning the geological nature of the strata and the pressure of the well. If it is not possible to set a mechanical bridge plug, an appropriately sized packer may be used. The mine operator shall document what has been done to "kill the well" and plug the hydrocarbon producing strata.

(11) If the upper-most hydrocarbon-producing stratum is within 300 feet of the base of the coal seam, the mine operator shall properly place mechanical bridge plugs as described in section (b)(10) to isolate the

hydrocarbon-producing stratum from the expanding cement plug.

(12) The mine operator shall place a minimum of 400 feet of expanding cement below the coal seam, unless the District Manager requires a greater distance based the geological strata or to the pressure within the well.

(c) The following mandatory procedures shall be followed for plugging the Jones 2H and 3H gas wells to the surface, after completely cleaning out the well:

(1) Cement shall be used as a plugging material.

(2) The mine operator shall pump cement slurry down the well to form a plug which runs from the original arrowset packer installed just above the "kick off point" in the well to 400 feet below the coal seam. The cement will be placed in the well under a pressure of at least 200 pounds per square inch. The mine operator shall pump expanding cement slurry down the well to form a plug which runs from 400 feet below the coal seam to the surface. The District Manager can modify the cementing plan based on the geological strata or the pressure within the well.

(3) The mine operator shall embed steel turnings or other small magnetic particles in the top of the cement near the surface to serve as a permanent magnetic monument of the well. In the alternative, a 4-inch or larger diameter casing, set in cement, shall extend at least 36 inches above the ground level with the API well number engraved or welded on the casing. When the hole cannot be marked with a physical monument (e.g., prime farmland), high-resolution GPS coordinates (one-half meter resolution) are required.

(d) The following alternate procedures shall be followed for preparing and plugging or re-plugging the Jones 2H and 3H gas wells:

(1) If it is not possible to remove all the casing, the mine operator shall notify the District Manager before any other work is performed.

(2) If the well cannot be cleaned out or the casing removed, the mine operator shall prepare the well from the surface to at least 400 feet below the base of the coal seam, unless the District Manager requires cleaning out and removal of casing to a greater depth based on the geological strata or the pressure within the well.

(3) If the casing cannot be removed from the total depth, the well shall be filled with cement from the lowest possible depth to 400 feet below the coal seam, and the other applicable provisions in the PDO shall apply.

(4) If the casing cannot be removed, the casing shall be perforated from 400

feet below the coal seam, the annuli shall be cemented or otherwise filled, and the other applicable provisions in the PDO shall apply.

(5) If the casing cannot be removed, the casing shall be cut, milled, perforated, or ripped at sufficient intervals to facilitate the removal of any remaining casing in the coal seam by the mining equipment. Any casing which remains shall be cut, perforated, or ripped to permit the injection of cement into voids within and around the well. All casing remaining at the coal seam shall be cut, perforated, or ripped at least every 5 feet from 10 feet below the coal seam to 10 feet above the coal seam.

(6) If the mine operator, using a casing bond log, can demonstrate to the District Manager's satisfaction that all annuli in the well are already adequately sealed with cement, the mine operator shall not be required to perforate or rip the casing for that particular well. When multiple casing and tubing strings are present in the coal horizon(s), any remaining casing shall be ripped or perforated and filled with expanding cement as indicated above. An acceptable casing bond log for each casing and tubing string can be used in lieu of ripping or perforating multiple strings.

(e) The following mandatory procedures shall be followed when mining within a 100-foot diameter barrier around the Jones 2H and 3H gas wells:

(1) A representative of the mine operator, a representative of the miners, the appropriate State agency, or the MSHA District Manager may request that a conference be conducted prior to intersecting any plugged well. The party requesting the conference shall notify all other parties listed above within a reasonable time prior to the conference to provide opportunity for participation. The purpose of the conference shall be to review, evaluate, and accommodate any abnormal or unusual circumstance related to the condition of the well or surrounding strata when such conditions are encountered.

(2) The mine operator shall intersect a well on a shift approved by the District Manager. The mine operator shall notify the District Manager and the miners' representative in sufficient time prior to intersecting a well to provide an opportunity to have representatives present.

(3) When using continuous mining methods, the mine operator shall install drilage sites at the last open crosscut near the place to be mined to ensure intersection of the well. The drilage sites shall not be more than 50 feet from

the well. When using longwall-mining methods, distance markers shall be installed on 5-foot centers for a distance of 50 feet in advance of the well in the headgate entry and in the tailgate entry.

(4) When either the conventional or continuous mining method is used, the mine operator shall ensure that fire-fighting equipment including fire extinguishers, rock dust, and sufficient fire hose to reach the working face area of the well intersection is available and operable during all well intersections. The fire hose shall be located in the last open crosscut of the entry or room. The mine operator shall maintain the water line to the belt conveyor tailpiece along with a sufficient amount of fire hose to reach the farthest point of penetration on the section. When the longwall mining method is used, a hose to the longwall water supply is sufficient.

(5) The mine operator shall ensure that sufficient supplies of roof support and ventilation materials shall be available and located at the last open crosscut. In addition, emergency plugs and suitable sealing materials shall be available in the immediate area of the well intersection.

(6) On the shift prior to intersecting the well, the mine operator shall test all equipment and check it for permissibility. Water sprays, water pressures, and water flow rates used for dust and spark suppression shall be examined and any deficiencies corrected.

(7) The mine operator shall calibrate the methane monitor(s) on the longwall, continuous mining machine, or cutting machine and loading machine on the shift prior to intersecting the well.

(8) When mining is in progress, the mine operator shall test for methane with a handheld methane detector at least every 10 minutes from when mining with the continuous mining machine or longwall face is within 30 feet of the well until the well is intersected. During the actual cutting process, no individual shall be allowed on the return side until the well intersection has been completed and the area has been examined and declared safe. All workplace examinations on the return side of the shearer shall be conducted while the shearer is idle. The mine operator's most current Approved Ventilation Plan shall be followed at all times unless the District Manager requires a greater air velocity for the intersect.

(9) When using continuous or conventional mining methods, the working place shall be free from accumulations of coal dust and coal spillages. Rock dust shall be placed on the roof, rib, and floor to within 20 feet

of the face when intersecting the well. On longwall sections, rock dusting shall be conducted and placed on the roof, rib, and floor up to both the headgate and tailgate gob.

(10) When the well is intersected, the mine operator shall de-energize all equipment and thoroughly examine and determine the area to be safe before permitting mining to resume.

(11) After a well has been intersected and the working place determined to be safe, mining shall continue in by the well a sufficient distance to permit adequate ventilation around the area of the well.

(12) If the casing is cut or milled at the coal seam level, the use of torches should not be necessary. When necessary, torches may be used for inadequately or inaccurately cut or milled casings. No open flame shall be permitted in the area until adequate ventilation has been established around the well bore and methane levels of less than 1.0 percent are present in all areas that will be exposed to flames and sparks from the torch. The mine operator shall apply a thick layer of rock dust to the roof, face, floor, ribs, and any exposed coal within 20 feet of the casing prior to the use of torches.

(13) Non-sparking (brass) tools shall be available and used exclusively to expose and examine cased wells.

(14) No person shall be permitted in the area of the well intersection except those actually engaged in the operation, including company personnel, representatives of the miners, personnel from MSHA, and personnel from the appropriate State agency.

(15) The mine operator shall alert all personnel in the mine to the planned intersection of the well prior to their going underground if the planned intersection is to occur during their shift. This warning shall be repeated for all shifts until the well has been mined through.

(16) The well intersection shall be under the direct supervision of a certified individual. Instructions concerning the well intersection shall be issued only by the certified individual in charge.

(17) If the mine operator cannot find the well in the longwall panel or if a development section misses the anticipated intersection, the mine operator shall cease mining to examine for hazardous conditions at the projected location of the well, notify the District Manager, and take reasonable measures to locate the well, including visual observation/inspection or through survey data. Mining may resume if the well is located, and no hazardous conditions exist. If the well

cannot be located, the mine operator shall work with District Manager to resolve any issues before mining resumes.

(f) A copy of the PDO shall be maintained at the mine and available to the miners.

(g) If the well is not plugged to the total depth of all minable coal seams identified in the core hole logs, any coal seams beneath the lowest plug shall remain subject to the barrier requirements of 30 CFR 75.1700, should those coal seams be developed in the future.

(h) All necessary safety precautions and safe practices according to industry standards and required by MSHA regulations and State regulatory agencies having jurisdiction over the plugging site shall be followed to provide the upmost protection to the miners involved in the process.

(i) All miners involved in the plugging or re-plugging operations shall be trained on the contents of the PDO prior to starting the process. A copy of the PDO shall be posted at the well site until the plugging or re-plugging has been completed.

(j) Mechanical bridge plugs shall incorporate the best available technologies that are either required or recognized by the State regulatory agency and/or oil and gas industry.

(k) Within 30 days after the PDO becomes final, the mine operator shall submit proposed revisions for its approved 30 CFR part 48 training plan to the District Manager. These proposed revisions shall include initial and refresher training on compliance with the terms and conditions stated in the PDO. The mine operator shall provide all miners involved in well intersection with training on the requirements of the PDO prior to mining within 150 feet of the well intended to be mined through.

(l) The responsible person required under 30 CFR 75.150, shall be responsible for well intersection emergencies. The well intersection procedures shall be reviewed by the responsible person prior to any planned intersection.

(m) Within 30 days after the PDO becomes final, the mine operator shall submit proposed revisions for its approved mine emergency evacuation and firefighting program of instruction required under 30 CFR 75.1502. The mine operator shall revise the program of instruction to include the hazards and evacuation procedures to be used for well intersections. All underground miners shall be trained in this revised plan within 30 days of submittal.

In support of the Petition, the petitioner provided additional

information including: a map showing the cutting, milling, perforating, or ripping well casing above and below the Pittsburgh #8 coal seam; a proposed permanent plugging schematic for a gas well; mine information including construction details, pressures, production history, site-specific geology, gas-producing formations locations, and relevant logging information; surface location well plat; mine map with gas well location; and well record and competition report for Jones 2H and 3H gas wells.

The petitioner asserts that the alternate method proposed will at all times guarantee no less than the same measure of protection afforded the miners under the mandatory standard.

**Song-ae Aromie Noe,**

*Director, Office of Standards, Regulations, and Variances.*

[FR Doc. 2023-07864 Filed 4-13-23; 8:45 am]

**BILLING CODE 4520-43-P**

## **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

**[NOTICE: (23-032)]**

### **Lunabotics Challenge**

**AGENCY:** National Aeronautics and Space Administration (NASA).

**ACTION:** Lunabotics Challenge.

**SUMMARY:** The Lunabotics Challenge (one of NASA's Artemis Student Challenges, <https://stem.nasa.gov/artemis/>) has provided college students from around the country an opportunity to engage and learn the NASA Systems Engineering process by designing and building robotic Lunar excavators capable of mining regolith and icy regolith simulants.

**DATES:** Challenge registration opened on September 14, 2022 and closed on October 19, 2022. No further requests for registration will be accepted after the stated deadline.

Other important dates, including deadlines for key deliverables from the Teams, are listed on the Challenge website: <https://www.nasa.gov/offices/education/centers/kennedy/technology/nasarmc.html>.

**FOR FURTHER INFORMATION CONTACT:** To get additional information regarding the Lunabotics Challenge, please contact Rich Johanboeke (321) 867-0586 and visit: <https://www.nasa.gov/offices/education/centers/kennedy/technology/nasarmc.html>.

Questions and comments regarding the challenge should be addressed to: [ksc-robotic-mining-competition@mail.nasa.gov](mailto:ksc-robotic-mining-competition@mail.nasa.gov).

## **SUPPLEMENTARY INFORMATION:**

### **Summary**

The Lunar robot shall drive in a simulated Lunar arena filled with Black Point -1 regolith simulant and excavate the icy-regolith simulant buried under an overburden of granular material, then return to the starting site and deliver the granular material to a simulated receiving hopper. More details are provided in Lunabotics Guidebook. This is a two-semester, virtual challenge, designed to educate college students in the application of the NASA Systems Engineering process. The virtual events of the Challenge are as follows: 1. Project Management Plan, 2. Systems Engineering Paper, 3. Public Outreach Report, 4. Presentation and Demonstration (optional), and a 5. Proof of Life Video. NASA is providing the prize purse.

For more than a decade, NASA has been able to gather valuable data about necessary excavation hardware and surface locomotion processes that can be implemented as the agency prepares to return to the Moon through the Artemis program. Major gaps exist between the functional capabilities and the technologies necessary for Lunar surface construction, and the requirements needed to narrow these gaps are in development and will support the long-term presence on the Moon, also known as "Infrastructure to Stay". Once identified, NASA will seek input from American academia to find new and innovative ways to apply existing or develop new technologies to meet Artemis Program requirements.

The skills developed in Lunabotics apply to other high technology industries that rely on the systems engineering principles. These industries will create a workforce posed to lead a new space-based economy and add to the economic strength of our country. NASA directly benefits from this challenge by annually assessing student designs and data the same way it does for its own, less frequent, prototypes. Encouraging innovation in student designs increases the potential of identifying clever solutions to the many challenges inherent in future Artemis missions.

### **Accreditation Board for Engineering and Technology (ABET)**

One of the goals of Lunabotics is to introduce students to the ABET experience by aligning the events to those student outcomes. ABET is a nonprofit, ISO 9001 certified organization that accredits college and university programs in applied and natural science, computing, engineering,