of NNA’s recognition to testing and certification of products for demonstration of conformance to the test standard listed below in Table 1.

<table>
<thead>
<tr>
<th>Test standard</th>
<th>Test standard title</th>
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<tr>
<td>UL 508A</td>
<td>Industrial Control Panels</td>
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</tbody>
</table>

OSHA’s recognition of any NRTL for a particular test standard is limited to equipment or materials for which OSHA standards require third-party testing and certification before using them in the workplace. Consequently, if a test standard also covers any products for which OSHA does not require such testing and certification, a NRTL’s scope of recognition does not include these products.

A. Conditions

Recognition is contingent on continued compliance with 29 CFR 1910.7, including, but not limited to, abiding by the following conditions of the recognition:

1. NNA must inform OSHA as soon as possible, in writing, of any change of ownership, facilities, or key personnel, and of any major change in its operations as a NRTL and provide details of the changes;
2. NNA must meet all the terms of its recognition and comply with all OSHA policies pertaining to this recognition; and
3. NNA must continue to meet the requirements for recognition, including all previously published conditions on NNA’s scope of recognition, in all areas for which it has recognition.

Pursuant to the authority in 29 CFR 1910.7, OSHA hereby expands the scope of recognition of NNA as a NRTL subject to the limitations and conditions specified above.

III. Authority and Signature

James S. Frederick, Deputy Assistant Secretary of Labor for Occupational Safety and Health, authorized the preparation of this notice. Accordingly, the agency is issuing this notice pursuant to 29 U.S.C. 657(g)(2), Secretary of Labor’s Order No. 8–2020 (85 FR 58393, Sept. 18, 2020), and 29 CFR 1910.7.

Signed at Washington, DC. 
James S. Frederick,
Deputy Assistant Secretary of Labor for Occupational Safety and Health.

[FR Doc. 2024–06516 Filed 3–26–24; 8:45 am]
I. Notice of Application

On April 11, 2023, Ballard Marine Construction (Ballard or the applicant), submitted under Section 6(d) of the Occupational Safety and Health Act of 1970 (the Act), 29 U.S.C. 655, and 29 CFR 1905.11 (variances and other relief under Section 6(d)) an application for a permanent variance from several provisions of the OSHA standard that regulates work in compressed air, 1926.803 of 1926 Subpart S—Underground Construction, Caissons, Cofferdams, and Compressed Air, and an interim order allowing it to proceed while OSHA considers the request for a permanent variance (OSHA–2024–0003–0002). This notice addresses Ballard’s application for a permanent variance and interim order for construction of the Lower Olentangy Tunnel Project in Columbus, Ohio only and is not applicable to future Ballard tunneling projects.

Specifically, this notice addresses Ballard’s application for a permanent variance and interim order from the provisions of the standard that: (1) require the use of the decompression tables in appendix A of subpart S (29 CFR 1926.803(f)(1)); and (2) require the use of automated operational controls and a special decompression chamber (29 CFR 1926.803(g)(1)(iii) and (xvii), respectively).

OSHA has previously approved nearly identical provisions when granting several other very similar variances, as discussed in more detail in Section II. OSHA preliminarily concludes that the proposed variance is appropriate, grants an interim order temporarily allowing the proposed activity, and seeks comment on the proposed variance.

Background

The applicant is a contractor that works on complex tunnel projects using innovations in tunnel-excavation methods. The applicant’s workers engage in the construction of tunnels using advanced shielded mechanical excavation techniques in conjunction with an earth pressure balanced micro-tunnel boring machine (TBM). Using shielded mechanical excavation techniques, in conjunction with precast concrete tunnel liners and backfill grout, TBMs provide methods to achieve the face pressures required to maintain a stabilized tunnel face through various geologies and isolate that pressure to the forward section (the excavation working chamber) of the TBM.

Ballard asserts that it bores tunnels using TBM at levels below the water table through soft soils consisting of clay, silt and sand. TBMs are capable of maintaining pressure at the tunnel face and stabilizing existing geological conditions through the controlled use of a mechanically driven cutter head, bulkheads within the shield, ground-treatment foam, and a screw conveyor that moves excavated material from the working chamber. The forward-most portion of the TBM is the working chamber, and this chamber is the only pressurized segment of the TBM. Within the shield, the working chamber consists of two sections: the forward working chamber and the staging chamber. The forward working chamber is immediately behind the cutter head and tunnel face. The staging chamber is behind the forward working chamber and between the man-lock door and the entry door to the forward working chamber.

The TBM has twin man-locks located between the pressurized working chamber and the non-pressurized portion of the machine. Each man-lock has two compartments. This configuration allows workers to access the man-locks for compression and decompression, and medical personnel to access the man-locks if required in an emergency.

Ballard’s Hyperbaric Operations Manual (HOM) for the Lower Olentangy Conveyance Tunnel Project (OSHA–2024–0003) indicates that the maximum pressure to which it is likely to expose workers during project interventions for the three tunnel drives is 27 pounds per square inch gauge (p.s.i.g.). The applicant will pressurize the working chamber to the level required to maintain a stable tunnel face, which for this project Ballard estimates will be up to a pressure not exceeding 27 p.s.i.g., which does not exceed the maximum pressure specified by the OSHA standard at 29 CFR 1926.803(e)(5). Ballard is not seeking a variance from this provision of the compressed-air standard.

Ballard employs specially trained personnel for the construction of the tunnel. To Kennedy working effectively, Ballard asserts that these workers must periodically enter the excavation working chamber of the TBM to perform hyperbaric interventions during which workers would be exposed to air pressures up to 27 p.s.i.g. These interventions consist of conducting inspections or maintenance work on the cutter-head structure and cutting tools of the TBM, such as changing replaceable cutting tools and disposable wear bars, and, in rare cases, repairing structural damage to the cutter head. These interventions are the only time that workers are exposed to compressed air. Interventions in the excavation working chamber (the pressurized portion of the TBM) take place only after halting tunnel excavation and preparing the machine and crew for an intervention.

During interventions, workers enter the working chamber through one of the twin man-locks that open into the staging chamber. To reach the forward part of the working chamber, workers pass through a door in a bulkhead that separates the staging chamber from the forward working chamber. The man-locks and the excavation working chamber are designed to accommodate three people, which is the maximum crew size allowed under the proposed variance (Ballard only plans to employ a crew of two people for these activities). When the required decompression times are greater than work times, the twin man-locks allow for crew rotation. During crew rotation, one crew can be compressing or decompressing while the second crew is working. Therefore, the working crew always has an unoccupied man-lock at its disposal.

Ballard asserts that these innovations in tunnel excavation have greatly reduced worker exposure to hazards of pressurized air work because they have eliminated the need to pressurize the entire tunnel for the project and thereby reduce the number of workers exposed, as well as the total duration of exposure, to hyperbaric pressure during tunnel construction. These advances in technology substantially modified the methods used by the construction industry to excavate subaqueous tunnels compared to the caisson work regulated by the OSHA compressed-air standard for construction at 29 CFR 1926.803.

In addition to the reduced exposures resulting from the innovations in tunnel-excavation methods, Ballard asserts that innovations in hyperbaric medicine and technology improve the safety of decompression from hyperbaric exposures. These procedures, however, would deviate from the decompression process that OSHA requires for construction in 29 CFR 1926.803(f)(1) and the decompression tables in Appendix A of 29 CFR part 1926, subpart S.

Nevertheless, according to Ballard, their use of decompression protocols incorporating oxygen is more efficient,

1The decompression tables in Appendix A of subpart S express the working pressures as pounds per square inch gauge (p.s.i.g.). Therefore, throughout this notice, OSHA expresses the p.s.i. value specified by 29 CFR 1926.803(e)(5) as p.s.i.g., consistent with the terminology in appendix A, Table 1 of subpart S.
effective, and safer for tunnel workers than compliance with the decompression tables specified by the existing OSHA standard.

Ballard therefore believes its workers will be at least as safe under its proposed alternatives as they would be under OSHA’s standard because of the reduction in number of workers and duration of hyperbaric exposures, better application of hyperbaric medicine, and the development of a project-specific HOM that requires specialized medical support and hyperbaric supervision to provide assistance to a team of specially trained man-lock attendants and hyperbaric or compressed-air workers (CAWs).

Based on an initial review of Ballard’s application for a permanent variance and interim order for the construction of the Lower Olentangy Tunnel Project in Columbus, Ohio, OSHA has preliminarily determined that Ballard has proposed an alternative that would provide a workplace at least as safe and healthful as that provided by the standard.

II. The Variance Application

Pursuant to the requirements of OSHA’s variance regulations (29 CFR part 1905), the applicant has certified that it notified its workers 2 of the variance application and request for interim order by posting, at prominent locations where it normally posts workplace notices, a summary of the application and information specifying where the workers can examine a copy of the application. In addition, the applicant informed its workers and their representatives of their rights to petition the Assistant Secretary of Labor for Occupational Safety and Health for a hearing on the variance application.

A. OSHA History of Approval of Nearly Identical Variance Requests

OSHA previously approved several nearly identical variances involving the same types of tunneling equipment used for similar projects. OSHA notes that it granted several subaqueous tunnel construction permanent variances from the same provisions of OSHA’s compressed-air standard (29 CFR 1926.803(f)(1), (g)(1)(iii), and (g)(1)(xviii)) that are the subject of the present application: (1) Impregilo, Healy, Parsons, Joint Venture (IHP JV) for the completion of the Anacostia River Tunnel in Washington, DC (80 FR 50652 (August 20, 2015)); (2) Traylor JV for the completion of the Blue Plains Tunnel in Washington, DC (80 FR 16440, March 27, 2015)); (3) Tully/OHL USA Joint Venture for the completion of the New York Economic Development Corporation’s New York Siphon Tunnel project (79 FR 29809, May 23, 2014)); (4) Salini-Impregilo/Healy Joint Venture for the completion of the Northeast Boundary Tunnel in Washington, DC (85 FR 27767, May 11, 2020); (5) Traylor-Shaw Joint Venture for the completion of the Alexandria RiverRenew Tunnel Project in Alexandria, Virginia and Washington, DC (87 FR 54536, September 6, 2022); (6) McNally/Kiewit Joint Venture for the completion of the Shoreline Storage Tunnel Project in Cleveland, Ohio (87 FR 58379, September 25, 2022) and (7) Traylor-Sundt Joint Venture for the Integrated Pipeline Tunnel Project in Dallas Texas, (88 FR 26600, May 1, 2023). OSHA also granted two interim orders to Ballard Marine Construction for the Suffolk County Outfall Tunnel Project in West Babylon, New York (86 FR 5253, January 19, 2021) and Ballard Marine Construction for the Bay Park Conveyance Tunnel Project in Nassau, New York (88 FR 51862; August 4, 2023). The proposed alternate conditions in this notice are nearly identical to the alternate conditions of the previous permanent variances and interim orders.3 OSHA is not aware of any injuries or other safety issues that arose from work performed under these conditions in accordance with the previous variances and interim orders.

B. Variance From Paragraph (f)(1) of 29 CFR 1926.803, Requirement To Use OSHA Decompression Tables

OSHA’s compressed-air standard for construction of tunnels and conduits requires a physician certified in hyperbaric medicine, to manage the medical condition of CAWs during hyperbaric exposures and decompression. A trained and experienced man-lock attendant is also required to be present during hyperbaric exposures and decompression. This man-lock attendant is to operate the hyperbaric system to ensure compliance with the specified decompression table. A hyperbaric supervisor, who is trained in hyperbaric operations, procedures, and safety, directly oversees all hyperbaric interventions and ensures that staff follow the procedures delineated in the HOM or by the attending physician.

C. Variance From Paragraph (g)(1)(iii) of 29 CFR 1926.803, Automatically Regulated Continuous Decompression

The applicant is applying for a permanent variance from the OSHA decompression protocols using the 1992 French Decompression Tables for air or oxygen as specified by the Lower Olentangy Conveyance Tunnel Project HOM. Ballard’s application for a permanent variance includes the following specific decompression procedures described in Appendix A of 29 CFR part 1926, subpart S. Accordingly, the applicant would commit to following the decompression procedures described in its HOM, which would require it to follow the 1992 French Decompression Tables to decompress compressed-air workers (CAWs) after they exit the hyperbaric conditions in the excavation working chamber.

Depending on the maximum working pressure and exposure times, the 1992 French Decompression Tables provide for air decompression or without oxygen. Ballard asserts that oxygen decompression has many benefits, including (1) keeping the partial pressure of nitrogen in the lungs as low as possible; (2) maintaining appropriate levels of external pressure to reduce the formation of bubbles in the blood; (3) removing nitrogen from the lungs and arterial blood and increasing the rate of nitrogen elimination; (4) improving the quality of breathing during decompression stops to diminish worker fatigue and to prevent bone necrosis; (5) reducing decompression time by about 33 percent as compared to air decompression; and (6) reducing inflammation.

In addition, the project-specific HOM requires a physician certified in hyperbaric medicine, to manage the medical condition of CAWs during hyperbaric exposures and decompression. A trained and experienced man-lock attendant is also required to be present during hyperbaric exposures and decompression. This man-lock attendant is to operate the hyperbaric system to ensure compliance with the specified decompression table. A hyperbaric supervisor, who is trained in hyperbaric operations, procedures, and safety, directly oversees all hyperbaric interventions and ensures that staff follow the procedures delineated in the HOM or by the attending physician.

1 Most of the other subaqueous tunnel construction variances allowed further deviation from OSHA standards by permitting employee exposures above 50 p.s.i.g. based on the composition of the soil and the amount of water above the tunnel for various sections of those projects. The current proposed variance includes substantively the same safeguards as the variances that OSHA granted previously, even though employees will only be exposed to pressures up to 27 p.s.i.g.

2 In 1992, the French Ministry of Labour replaced the 1974 French Decompression Tables with the 1992 French Decompression Tables, which differ from OSHA’s decompression tables in Appendix A by using: (1) staged decompression as opposed to continuous (linear) decompression; (2) decompression tables based on air or both air and pure oxygen; and (3) emergency tables when unexpected exposure times occur (up to 30 minutes above the maximum allowed working time).
standard at 29 CFR 1926.803(g)(1)(iii), which requires automatic controls to regulate decompression. As noted above, the applicant is committed to conducting the staged decompression according to the 1992 French Decompression Tables under the direct control of the trained man-lock attendant and under the oversight of the hyperbaric supervisor.

Breathing air under hyperbaric conditions increases the amount of nitrogen gas dissolved in a CAW’s tissues. The greater the hyperbaric pressure under these conditions and the more time spent under the increased pressure, the greater the amount of nitrogen gas dissolved in the tissues. When the pressure decreases during decompression, tissues release the dissolved nitrogen gas into the blood system, which then carries the nitrogen gas to the lungs for elimination through exhalation. Releasing hyperbaric pressure too rapidly during decompression can increase the size of the bubbles formed by nitrogen gas in the blood, resulting in decompression illness (DCI), commonly referred to as “the bends.” This description of the etiology of DCI is consistent with current scientific theory and research on the issue.

The 1992 French Decompression Tables proposed for use by the applicant provide for stops during worker decompression (i.e., staged decompression) to control the release of nitrogen gas from tissues into the blood system. Studies show that staged decompression, in combination with other features of the 1992 French Decompression Tables such as the use of oxygen, result in a lower incidence of DCI than the use of automatically regulated continuous decompression.5

In addition, the applicant asserts that staged decompression administered in accordance with its HOM is at least as effective as an automatic controller in regulating the decompression process because the HOM includes an intervention supervisor (a competent person experienced and trained in hyperbaric operations, procedures, and safety) who directly supervises all hyperbaric interventions and ensures that the man-lock attendant, who is a competent person in the manual control of hyperbaric systems, follows the schedule specified in the decompression tables, including stops.

D. Variance From Paragraph (g)(1)(xvii) of 29 CFR 1926.803, Requirement of Special Decompression Chamber

The OSHA compressed-air standard for construction requires employers to use a special decompression chamber of sufficient size to accommodate all CAWs being decompressed at the end of the shift when total decompression time exceeds 75 minutes (see 29 CFR 1926.803(g)(1)(xvii)). Use of the special decompression chamber enables CAWs to move about and flex their joints to prevent neuromuscular problems during decompression.

Space limitations in the TBM do not allow for the installation and use of an additional special decompression lock or chamber. The applicant proposes that it be permitted to rely on the man-locks and staging chamber in lieu of adding a separate, special decompression chamber. Because only a few workers out of the entire crew are exposed to hyperbaric pressures, the man-locks (which, as noted earlier, connect directly to the working chamber) and the staging chamber are of sufficient size to accommodate all of the exposed workers during decompression. The applicant uses the existing man-locks, each of which adequately accommodates a three-member crew for this purpose when decompression lasts up to 75 minutes. When decompression exceeds 75 minutes, crews can open the door connecting the two compartments in each man-lock (during decompression stops) or exit the man-lock and move into the staging chamber where additional space is available. The applicant asserts that this alternative arrangement is as effective as a special decompression chamber in that it has sufficient space for all the CAWs at the end of a shift and enables the CAWs to move about and flex their joints to prevent neuromuscular problems.

III. Agency Preliminary Determinations

After reviewing the proposed alternatives, OSHA has preliminarily determined that the applicant’s proposed alternatives on the whole, subject to the conditions in the request and imposed by this interim order, provide measures that are as safe and healthful as those required by the cited OSHA standard and addressed in section II of this document.

In addition, OSHA has preliminarily determined that each of the following alternatives are at least as effective as the specified OSHA requirements:

29 CFR 1926.803(f)(1)

Ballard has proposed to implement equally effective alternative measures to the requirement in 29 CFR 1926.803(f)(1) for compliance with OSHA’s decompression tables. The project-specific HOM specifies the procedures and personnel qualifications for performing work safely during the compression and decompression phases of interventions. The HOM also specifies the decompression tables the applicant proposes to use (the 1992 French Decompression Tables). Depending on the maximum working pressure and exposure times during the interventions, these tables provide for decompression using air, pure oxygen, or a combination of air and oxygen. The decompression tables also include delays or stops for various time intervals at different pressure levels during the transition to atmospheric pressure (i.e., staged decompression). In all cases, a physician certified in hyperbaric medicine will manage the medical condition of CAWs during decompression. In addition, a trained and experienced man-lock attendant, experienced in recognizing decompression sickness or illnesses and injuries, will be present. Of key importance, a hyperbaric supervisor (competent person), trained in hyperbaric operations, procedures, and safety, will directly supervise all hyperbaric operations to ensure compliance with the procedures delineated in the project-specific HOM or by the attending physician.

Prior to granting the several previous permanent variances to IHP JV, Traylor JV, Tully JV, Salini-Impregilo Joint Venture, Traylor-Shea JV and McNally/Kiewit JV, Traylor-Sundt JV, Ballard Suffolk (Interim Order, January 19, 2021), and Ballard Bay Park (Interim Order, August 4, 2023), OSHA conducted a review of the scientific literature and concluded that the

5 See, e.g., Eric Kindwall, *Compressed Air Tunneling and Caisson Work Decompression Procedures: Development, Problems, and Solutions*, 24(4) Undersea and Hyperbaric Medicine 337, 337–45 (1997). This article reported 60 treated cases of DCI among 4,168 exposures between 19 and 31 p.s.i.g. over a 51-week contract period, for a DCI incidence of 1.44% for the decompression tables specified by the OSHA standard. Dr. Kindwall notes that the use of automatically regulated continuous decompression, in the Washington State safety standards for compressed-air work (from which OSHA derived its decompression tables), was at the insistence of contractors and the union, and against the advice of the expert who calculated the decompression table and recommended using staged decompression. Dr. Kindwall then states, “Continuous decompression is inefficient and wasteful. For example, if the last stage from a 4 p.s.i.g. . . . to the surface took 1h, at least half the time is spent at pressures less than 2 p.s.i.g. . . . which provides less and less meaningful bubble suppression time.” In addition, Dr. Kindwall addresses the continuous-decompression protocol in the OSHA compressed-air standard for construction, noting that “[a]s side from the tables for saturation diving to deep depths, no other widely
alternative decompression method (i.e., the 1992 French Decompression Tables) Ballard proposed would be at least as safe as the decompression tables specified by OSHA when applied by trained medical personnel under the conditions that would be imposed by the proposed variance.

Some of the literature indicates that the alternative decompression method may be safer, concluding that decompression performed in accordance with these tables resulted in a lower occurrence of DCI than decompression conducted in accordance with the decompression tables specified by the standard. For example, H. L. Anderson studied the occurrence of DCI at maximum hyperbaric pressures ranging from 4 p.s.i.g. to 43 p.s.i.g. during construction of the Great Belt Tunnel in Denmark (1992–1996). This project used the 1992 French Decompression Tables to decompress the workers during part of the construction. Anderson observed 6 DCI cases out of 7,220 decompression events and reported that switching to the 1992 French Decompression tables reduced the DCI incidence to 0.08% compared to a previous incidence rate of 0.14%. The DCI incidence in the study by H. L. Anderson is substantially less than the DCI incidence reported for the decompression tables specified in appendix A.

OSHA found no studies in which the DCI incidence reported for the 1992 French Decompression Tables were higher than the DCI incidence reported for the OSHA decompression tables. OSHA’s experience with the previous several variances, which all incorporated nearly identical decompression plans and did not result in safety issues, also provides evidence that the alternative procedure as a whole is at least as effective for this type of tunneling project as compliance with OSHA’s decompression tables. The experience of State Plans for that either granted variances (Nevada, Oregon and Washington) for hyperbaric exposures occurring during similar subaqueous tunnel-construction work, provide additional evidence of the effectiveness of this alternative procedure.

29 CFR 1926.803(g)(1)(iii)

Ballard developed, and proposed to implement, an equally effective alternative to 29 CFR 1926.803(g)(1)(iii), which requires the use of automatic controllers that continuously decrease pressure to achieve decompression in accordance with the tables specified by the standard. The applicant’s alternative includes using the 1992 French Decompression Tables for guiding staged decompression to achieve lower occurrences of DCI, using a trained and competent attendant for implementing appropriate hyperbaric entry and exit procedures, and providing a competent hyperbaric supervisor and attending physician certified in hyperbaric medicine, to oversee all hyperbaric operations.

In reaching this preliminary conclusion, OSHA again notes the experience of previous, nearly identical approved tunneling variances, the experiences of State Plans, and a review of the literature and other information noted earlier.

29 CFR 1926.803(g)(1)(xvii)

Ballard developed, and proposed to implement, an effective alternative to the use of the special decompression chamber required by 29 CFR 1926.803(g)(1)(xvii). The TBM’s man-lock and working chamber appear to satisfy all of the conditions of the special decompression chamber, including that they provide sufficient space for the maximum crew of three CAWs to stand up and move around, and safely accommodate decompression times up to 360 minutes. Therefore, again noting OSHA’s previous experience with nearly identical variances including the same alternative, OSHA preliminarily determined that the TBM’s man-lock and working chamber function as effectively as the special decompression chamber required by the standard.

Pursuant to section 6(d) of the Occupational Safety and Health Act of 1970 (29 U.S.C. 653), and based on the record discussed above, the agency preliminarily finds that when the employer complies with the conditions of the proposed variance, the working conditions of the employer’s workers would be at least as safe and healthful as if the employer complied with the working conditions specified by paragraphs (f)(1), (g)(1)(iii), and (g)(1)(xvii) of 29 CFR 1926.803.

IV. Grant of Interim Order, Proposal for Permanent Variance, and Request for Comment

OSHA hereby announces the preliminary decision to grant an interim order allowing Ballard’s CAWs to perform interventions in hyperbaric conditions not exceeding 27 p.s.i.g. during the Lower Olentangy Tunnel Project, subject to the conditions that follow in this document. This interim order will remain in effect until completion of the Lower Olentangy Tunnel Project or until the agency modifies or revokes the interim order or makes a decision on Ballard’s application for a permanent variance. During the period starting with the publication of this notice until completion of the Lower Olentangy Tunnel Project, or until the agency modifies or revokes the interim order or makes a decision on its application for a permanent variance, the applicant is required to comply fully with the conditions of the interim order as an alternative to complying with the following requirements of 29 CFR 1926.803 (“the standard”): (1) The use of decompression values specified by the decompression tables in Appendix A of the compressed-air standard (29 CFR 1926.803(f)(1)); (2) the use of automated operational controls (29 CFR 1926.803(g)(1)(iii)); and (3) the use of a special decompression chamber (29 CFR 1926.803(g)(1)(xvii)).

In order to avail itself of the interim order, Ballard must: (1) comply with the conditions listed in the interim order for the period starting with the grant of the interim order and ending with Ballard’s completion of the Lower Olentangy Tunnel Project (or until the agency modifies or revokes the interim order or makes a decision on its application for a permanent variance); (2) comply fully with all other applicable provisions of 29 CFR part 1926; and (3) provide a copy of this Federal Register notice to all employees affected by the proposed conditions, including the affected employees of other employers, using the same means it used to inform these employees of its application for a permanent variance.

OSHA is also proposing that the same requirements (see above section III) would apply to a permanent variance if

8 Under Section 18 of the OSH Act, Congress expressly provides that States and U.S. territories may adopt, with Federal approval, a plan for the development and enforcement of occupational safety and health standards. OSHA refers to such States and territories as “State Plans.” Occupational safety and health standards developed by State Plans must be at least as effective in providing safe and healthful employment and places of employment as the Federal standards. See 29 U.S.C. 667.

OSHA ultimately issues one for this project. OSHA requests comment on those conditions as well as OSHA’s preliminary determination that the specified alternatives and conditions would provide a workplace as safe and healthful as those required by the standard from which a variance is sought. After reviewing comments, OSHA will publish in the Federal Register the agency’s final decision approving or rejecting the request for a permanent variance.

V. Description of the Specified Conditions of the Interim Order and the Application for a Permanent Variance

This section describes the alternative means of compliance with 29 CFR 1926.803(f)(1), (g)(1)(iii), and (g)(1)(xvii) and provides additional detail regarding the proposed conditions that form the basis of Ballard’s application for an Interim Order and for a Permanent Variance. The conditions are listed below. For brevity, the discussion that follows refers only to the permanent variance, but the same conditions apply to the Interim Order.

Proposed Condition A: Scope

The scope of the proposed permanent variance would limit coverage to the work situations specified. Clearly defining the scope of the proposed permanent variance provides Ballard, Ballard’s employees, potential future applicants, other stakeholders, the public, and OSHA with necessary information regarding the work situations in which the proposed permanent variance would apply. To the extent that Ballard exceeds the defined scope of this variance, it would be required to comply with OSHA’s standards.

Pursuant to 29 CFR 1905.11, an employer (or class or group of employers) may request a permanent variance for a specific workplace or workplaces. If OSHA approves a permanent variance, it would apply only to the specific employer(s) that submitted the application and only to the specific workplace or workplaces designated as part of the project. In this instance, if OSHA were to grant Ballard a Permanent Variance, it would not apply to any other employers, or to projects the applicant may undertake in the future.

Proposed Condition B: Duration

The interim order is only intended as a temporary measure pending OSHA’s decision on the permanent variance, so this condition specifies the duration of the Order. If OSHA approves a permanent variance, it would apply for Ballard only for the duration of the Lower Olentangy Tunnel Project.

Proposed Condition C: List of Abbreviations

This proposed condition requires the applicant to develop and submit to OSHA an HOM specific to the Lower Olentangy Tunnel Project at least six months before using the TBM for tunneling operations. The applicant must also submit, at least six months before using the TBM, proof that the TBM’s hyperbaric chambers have been designed, fabricated, inspected, tested, and marked in accordance with the requirements of ASME PVHO–1.2019 (the most recent edition of Safety Standards for Pressure Vessels for Human Occupancy). These requirements ensure that the applicant develops hyperbaric safety and health procedures suitable for the project.

Proposed Condition D: Definitions

This proposed condition requires the applicant to develop and implement an effective system of information sharing and communication. Effective information sharing and communication are intended to ensure that affected workers receive updated information regarding any safety-related hazards and incidents, and corrective actions taken, prior to the start of each shift. The proposed condition also requires the applicant to ensure that reliable means of communication would enable affected workers and support personnel to respond quickly and effectively to hazardous conditions or emergencies that may develop during hyperbaric operations. Availability of such reliable means of communications would enable affected workers and support personnel to respond quickly and effectively to hazardous conditions or emergencies that may develop during TBM operations.

Proposed Condition E: Safety and Health Practices

This proposed condition requires the applicant to develop and implement an effective qualification and training program for affected workers. The proposed condition specifies the factors that an affected worker must know to perform safely during hyperbaric operations, including how to enter, work in, and exit from hyperbaric conditions under both normal and emergency conditions. Having well-trained and qualified workers performing hyperbaric intervention work is intended to ensure that they recognize, and respond appropriately to, hyperbaric safety and health hazards. These qualification and training requirements enable affected workers to cope effectively with emergencies, as

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10 A class or group of employers (such as members of a trade alliance or association) may apply jointly for a Variance provided an authorized representative for each employer signs the application and the application identifies each employer’s affected facilities.
as well as the discomfort and physiological effects of hyperbaric exposure, thereby preventing worker injury, illness, and fatalities.

Paragraph (2)(e) of this proposed condition requires the applicant to provide affected workers with information they can use to contact the appropriate healthcare professionals if the workers believe they are developing hyperbaric-related health effects. This requirement provides for early intervention and treatment of DCI and other health effects resulting from hyperbaric exposure, thereby reducing the potential severity of these effects.

Proposed Condition H: Inspections, Tests, and Accident Prevention

Proposed Condition H requires the applicant to develop, implement, and operate a program of frequent and regular inspections of the TBM’s hyperbaric equipment and support systems, and associated work areas. This condition is intended to help ensure the safe operation and physical integrity of the equipment and work areas necessary to conduct hyperbaric operations. The condition would also enhance worker safety by reducing the risk of hyperbaric-related emergencies.

Paragraph (3) of this proposed condition requires the applicant to document tests, inspections, corrective actions, and repairs involving the TBM, and maintain these documents at the jobsite for the duration of the job. This requirement would provide the applicant with information needed to schedule tests and inspections to ensure the continued safe operation of the equipment and systems, and to determine that the actions taken to correct defects in hyperbaric equipment and systems were appropriate, prior to returning them to service.

Proposed Condition I: Compression and Decompression

This proposed condition would require the applicant to consult with the designated medical advisor regarding special compression or decompression procedures appropriate for any unacclimated CAW and then implement the procedures recommended by the medical consultant. This proposed provision would ensure that the applicant consults with the medical advisor, and involves the medical advisor in the evaluation, development, and implementation of compression or decompression protocols appropriate for any CAW requiring acclimation to the hyperbaric conditions encountered during TBM operations. Accordingly, CAWs requiring acclimation would have an opportunity to acclimate prior to exposure to these hyperbaric conditions. OSHA believes this condition would prevent or reduce adverse reactions among CAWs to the effects of compression or decompression associated with the intervention work they perform in the TBM.

Proposed Condition J: Recordkeeping

Under OSHA’s existing recordkeeping requirements in 29 CFR part 1904 regarding Recording and Reporting Occupational Injuries and Illnesses, the employer must maintain a record of any recordable injury, illness, or fatality (as defined by 29 CFR part 1904) resulting from exposure of an employee to hyperbaric conditions by completing the OSHA’s Form 301 Injury and Illness Incident Report and OSHA’s Form 300 Log of Work-Related Injuries and Illnesses. The applicant did not seek a variance from this standard, and therefore Ballard must comply fully with those requirements.

Examples of important information to include on the OSHA’s Form 301 Injury and Illness Incident Report (along with the corresponding question on the form) are:

1. the task performed;
2. the composition of the gas mixture (e.g., air or oxygen);
3. an estimate of the CAW’s workload;
4. the maximum working pressure;
5. temperature in the work and decompression environments; and
6. unusual occurrences, if any, during the task or decompression.

Q15
- time of symptom onset; and
- duration between decompression and onset of symptoms.

Q16
- type and duration of symptoms; and
- a medical summary of the illness or injury.

Q17
- duration of the hyperbaric intervention;
- possible contributing factors; and
- the number of prior interventions completed by the injured or ill CAW; and the pressure to which the CAW was exposed during those interventions.\(^{11}\)

Proposed Condition J would add additional reporting responsibilities, beyond those already required by the OSHA standard. The applicant would be required to maintain records of specific factors associated with each hyperbaric intervention. The information gathered and recorded under this provision, in concert with the information provided under proposed Condition K (using OSHA’s Form 301 Injury and Illness Incident Report to investigate and record hyperbaric recordable injuries as defined by 29 CFR 1904.4, 1904.7, 1904.8–12), would enable the applicant and OSHA to assess the effectiveness of the Permanent Variance in preventing DCI and other hyperbaric-related effects.

Proposed Condition K: Notifications

Under the proposed condition, the applicant is required, within specified periods of time, to: (1) notify OSHA of any recordable injury, illness, in-patient hospitalization, amputation, loss of an eye, or fatality that occurs as a result of hyperbaric exposures during TBM operations; (2) provide OSHA a copy of the hyperbaric exposures incident investigation report (using OSHA’s Form 301 Injury and Illness Incident Report) of these events within 24 hours of the incident; (3) include on OSHA’s Form 301 Injury and Illness Incident Report information on the hyperbaric conditions associated with the recordable injury or illness, the root-cause determination, and preventive and corrective actions identified and implemented; (4) provide the certification that affected workers were informed of the incident and the results of the incident investigation; (5) notify OSHA’s Office of Technical Programs and Coordination Activities (OTPCA) and the Columbus Ohio OSHA Area Office (COAO) within 15 working days should the applicant need to revise the HOM to accommodate changes in its compressed-air operations that affect Ballard’s ability to comply with the conditions of the proposed Permanent Variance; and (6) provide OTPCA and the COAO, at the end of the project, with a report evaluating the effectiveness of the decompression tables.

It should be noted that the requirement for completing and submitting the hyperbaric exposure-related (recordable) incident investigation report (OSHA’s Form 301 Injury and Illness Incident Report) is more restrictive than the existing recordkeeping requirement of completing OSHA’s Form 301 Injury and Illness Incident Report within 7 calendar days of the incident (29 CFR 1904.3(b)(3)). The clarified, more stringent incident investigation and reporting requirement is restricted to
intervention-related hyperbaric (recordable) incidents only. Providing rapid notification to OSHA is essential because time is a critical element in OSHA’s ability to determine the continued effectiveness of the variance conditions in preventing hyperbaric incidents, and the applicant’s identification and implementation of appropriate corrective and preventive actions.

Further, these notification requirements also enable the applicant, its employees, and OSHA to assess the effectiveness of the permanent variance in providing the requisite level of safety to the applicant’s workers and, based on this assessment, whether to revise or revoke the conditions of the proposed permanent variance. Timely notification permits OSHA to take whatever action may be necessary and appropriate to prevent possible further injuries and illnesses. Providing notification to employees informs them of the precautions taken by the applicant to prevent similar incidents in the future.

Additionally, this proposed condition requires the applicant to notify OSHA if it ceases to do business, has a new address or location for the main office, or transfers the operations covered by the proposed permanent variance to a successor company. In addition, the condition specifies that the transfer of the permanent variance to a successor company must be approved by OSHA. These requirements allow OSHA to communicate effectively with the applicant regarding the status of the proposed permanent variance, and expedite the agency’s administration and enforcement of the permanent variance. Stipulating that an applicant is required to have OSHA’s approval to transfer a variance to a successor company provides assurance that the successor company has knowledge of, and will comply with, the conditions specified by the proposed permanent variance, thereby ensuring the safety of workers involved in performing the operations covered by the proposed permanent variance.

VI. Specific Conditions of the Interim Order and the Proposed Permanent Variance

The following conditions apply to the interim order OSHA is granting to Ballard for the Lower Olentangy Tunnel Project. These conditions specify the alternative means of compliance with the requirements of paragraphs 29 CFR 1926.803(f)(1), (g)(1)(iii), and (g)(1)(xvii) that OSHA is proposing for Ballard’s permanent variance. To simplify the presentation of the conditions, OSHA generally refers only to the conditions of the proposed permanent variance, but the same conditions apply to the interim order except where otherwise noted.12

The conditions would apply with respect to all employees of Ballard exposed to hyperbaric conditions. These conditions are outlined in this Section:

A. Scope

The interim order applies, and the permanent variance would apply only when Ballard stops the tunnel-boring work, pressurizes the working chamber, and the CAWs either enter the working chamber to perform an intervention (i.e., inspect, maintain, or repair the mechanical-excavation components), or exit the working chamber after performing interventions.

The interim order and proposed permanent variance apply only to work:

1. That occurs in conjunction with construction of the Lower Olentangy Tunnel Project, a tunnel constructed using advanced shielded mechanical-excavation techniques and involving operation of an TBM;
2. In the TBM’s forward section (the excavation working chamber) and associated hyperbaric chambers used to pressurize and decompress employees entering and exiting the working chamber; and
3. Performed in compliance with all applicable provisions of 29 CFR part 1926 except for the requirements specified by 29 CFR 1926.803(f)(1), (g)(1)(iii), and (g)(1)(xvii).

B. Duration

The interim order granted to Ballard will remain in effect until OSHA modifies or revokes this interim order or grants Ballard’s request for a permanent variance in accordance with 29 CFR 1905.13. The proposed permanent variance, if granted, would remain in effect until the completion of Ballard’s Lower Olentangy Tunnel Project.

C. List of Abbreviations

Abbreviations used throughout this proposed permanent variance would include the following:

1. CAW—Compressed-air worker
2. CFR—Code of Federal Regulations
3. COAO—Columbus Ohio Area Office
4. DCI—Decompression illness

12In these conditions, OSHA is using the future conditional form of the verb (e.g., “would”), which pertains to the application for a Permanent Variance (designated as “Permanent Variance”) but the conditions are mandatory for purposes of the Interim Order.

13Adapted from 29 CFR 1926.32(f).
embolism (gas bubbles in the arteries that block blood flow).14

Note: Health effects associated with hyperbaric intervention, but not considered symptoms of DCI, can include: baro-trauma (direct damage to air-containing cavities in the body such as ears, sinuses, and lungs); nitrogen narcosis (reversible alteration in consciousness that may occur in hyperbaric environments and is caused by the anesthetic effect of certain gases at high pressure); and oxygen toxicity (a central nervous system condition resulting from the harmful effects of breathing molecular oxygen (O2) at elevated partial pressures).

6. Diver Medical Technician—Member of the dive team who is experienced in first aid.

7. Earth Pressure Balanced Tunnel Boring Machine—the machinery used to excavate a tunnel.

8. Hot work—any activity performed in a hazardous location that may introduce an ignition source into a potentially flammable atmosphere.15

9. Hyperbaric—at a higher pressure than atmospheric pressure.

10. Hyperbaric intervention—a term that describes the process of stopping the TBM and preparing and executing work under hyperbaric pressure in the working chamber for the purpose of inspecting, replacing, or repairing cutting tools and/or the cutterhead structure.

11. Hyperbaric Operations Manual—a detailed, project-specific health and safety plan developed and implemented by Ballard for working in compressed air during the Lower Oleniangy Tunnel Project.

12. Job hazard analysis—an evaluation of tasks or operations to identify potential hazards and to determine the necessary controls.

13. Man-lock—an enclosed space capable of pressurization, and used for compressing or decompressing any employee or material when either is passing into, or out of, a working chamber.

14. Medical Advisor—medical professional experienced in the physical requirements of compressed air work and the treatment of decompression illness.

15. Pressure—a force acting on a unit area. Usually expressed as pounds per square inch (p.s.i.).

16. p.s.i.a.—pounds per square inch absolute, or absolute pressure, is the sum of the atmospheric pressure and gauge pressure. At sea-level, atmospheric pressure is approximately 14.7 p.s.i.a. Adding 14.7 to a pressure expressed in units of p.s.i.g. will yield the absolute pressure, expressed as p.s.i.a.

17. p.s.i.g.—pounds per square inch gauge, a common unit of pressure; pressure expressed as p.s.i.g. corresponds to pressure relative to atmospheric pressure. At sea-level, atmospheric pressure is approximately 14.7 p.s.i.a. Subtracting 14.7 from a pressure expressed in units of p.s.i.a. yields the gauge pressure, expressed as p.s.i.g. At sea level the gauge pressure is 0 psig.

18. Qualified person—an individual who, by possession of a recognized degree, certificate, or professional standing, or who, by extensive knowledge, training, and experience, successfully demonstrates an ability to solve or resolve problems relating to the subject matter, the work, or the project.16

19. Working chamber—an enclosed space in the TBM in which CAWs perform interventions, and which is accessible only through a man-lock.

E. Safety and Health Practices

1. Ballard would have to adhere to the project-specific HOM submitted to OSHA as part of the application (see OSHA—2024–0003–0003). The HOM provides the minimum requirements regarding protections from expected safety and health hazards (including anticipated geological conditions) and hyperbaric exposures during the tunnel-construction project.

2. Ballard would have to demonstrate that the TBM on the project is designed, fabricated, inspected, tested, marked, and stamped in accordance with the requirements of ASME PVHO–1.2019 (or most recent edition of Safety Standards for Pressure Vessels for Human Occupancy) for the TBM’s hyperbaric chambers.

3. Ballard would have to implement the safety and health instructions included in the manufacturer’s operations manuals for the TBM, and the safety and health instructions provided by the manufacturer for the operation of decompression equipment.

4. Ballard would have to ensure that there are no exposures to pressures greater than 27 p.s.i.g.

5. Ballard would have to ensure that air or oxygen is the only breathing gas in the working chamber.

6. Ballard would have to follow the 1992 French Decompression Tables for air or oxygen decompression as specified in the HOM; specifically, the extracted portions of the 1992 French Decompression tables titled, “French Regulation Air Standard Tables.”

7. Ballard would have to equip man-locks used by employees with an air or oxygen delivery system, as specified by the HOM, for the project. Ballard would be required not to store in the tunnel any oxygen or other compressed gases used in conjunction with hyperbaric work.

8. Workers performing hot work under hyperbaric conditions would have to use flame-retardant personal protective equipment and clothing.

9. In hyperbaric work areas, Ballard would have to maintain an adequate fire-suppression system approved for hyperbaric work areas.

10. Ballard would have to develop and implement one or more JHA(s) for work in the hyperbaric work areas, and review, periodically and as necessary (e.g., after making changes to a planned intervention that affects its operation), the contents of the JHAs with affected employees. The JHAs would have to include all the job functions that the risk assessment indicates are essential to prevent injury or illness.

11. Ballard would have to develop a set of checklists to guide compressed-air work and ensure that employees follow the procedures required by the proposed Permanent Variance and this Interim Order (including all procedures required by the HOM approved by OSHA for the project, which this proposed Permanent Variance would incorporate by reference). The checklists would have to include all steps and equipment functions that the risk assessment indicates are essential to prevent injury or illness during compressed-air work.

12. Ballard would have to ensure that the safety and health provisions of this project-specific HOM adequately protect the workers of all contractors and subcontractors involved in hyperbaric operations for the project to which the HOM applies.

F. Communication

Ballard would have to:

1. Prior to beginning a shift, implement a system that informs workers exposed to hyperbaric conditions of any hazardous occurrences or conditions that might affect their safety, including hyperbaric incidents, gas releases, equipment failures, earth or rock slides, cave-ins, flooding, fires, or explosions.


15 Also see 29 CFR 1926.1202 for examples of hot work.

16 Adapted from 29 CFR 1926.32(m).

2. Provide a power-assisted means of communication among affected workers and support personnel in hyperbaric conditions where unassisted voice communication is inadequate.

(a) Use an independent power supply for powered communication systems, and these systems would have to operate such that use or disruption of any one phone or signal location will not disrupt the operation of the system from any other location.

(b) Test communication systems at the start of each shift and as necessary thereafter during each shift to ensure proper operation.

G. Worker Qualifications and Training

Ballard would have to:

1. Ensure that each affected worker receives effective training on how to safely enter, work in, exit from, and undertake emergency evacuation or rescue from, hyperbaric conditions, and document this training.

2. Provide effective instruction on hyperbaric conditions, before beginning hyperbaric operations, to each worker who performs work, or controls the exposure of others, and document this instruction. The instruction would need to include:

(a) The physics and physiology of hyperbaric work;

(b) Recognition of pressure-related injuries;

(c) Information on the causes and recognition of the signs and symptoms associated with decompression illness, and other hyperbaric intervention-related health effects (e.g., barotrauma, nitrogen narcosis, and oxygen toxicity);

(d) How to avoid discomfort during compression and decompression;

(e) Information the workers can use to contact the appropriate healthcare professionals should the workers have concerns that they may be experiencing adverse health effects from hyperbaric exposure; and

(f) Procedures and requirements applicable to the employee in the project-specific HOM.

3. Repeat the instruction specified in paragraph (G)(2) of this proposed condition periodically and as necessary (e.g., after making changes to its hyperbaric operations).

4. When conducting training for its hyperbaric workers, make this training available to OSHA personnel and notify the OTPCA at OSHA’s national office and OSHA’s nearest affected Area Office before the training takes place.

H. Inspections, Tests, and Accident Prevention

1. Ballard would have to initiate and maintain a program of frequent and regular inspections of the TBM’s hyperbaric equipment and support systems (such as temperature control, illumination, ventilation, and fire-prevention and fire-suppression systems), and hyperbaric work areas, as required under 29 CFR 1926.20(b)(2), including:

(a) Developing a set of checklists to be used by a competent person in conducting weekly inspections of hyperbaric equipment and work areas; and

(b) Ensuring that a competent person conducts daily visual checks and weekly inspections of the TBM.

2. Remove any equipment that is found to constitute a safety hazard from service until Ballard corrects the hazardous condition and has the correction approved by a qualified person.

3. Ballard would have to maintain records of all tests and inspections of the TBM, as well as associated corrective actions and repairs, at the job site for the duration of the job.

I. Compression and Decompression

Ballard would have to consult with its attending physician concerning the need for special compression or decompression exposures appropriate for CAWs not acclimated to hyperbaric exposure.

J. Recordkeeping

In addition to completing OSHA’s Form 301 Injury and Illness Incident Report and OSHA’s Form 300 Log of Work-Related Injuries and Illnesses, Ballard would have to maintain records of:

1. The date, times (e.g., time compression started, time spent compressing, time performing intervention, time spent decompressing), and pressure for each hyperbaric intervention.

2. The names of all supervisors and DMTs involved for each intervention.

3. The name of each individual worker exposed to hyperbaric pressure and the decompression protocols and results for each worker.

4. The total number of interventions and the amount of hyperbaric work time at each pressure.

5. The results of the post-intervention physical assessment of each CAW for signs and symptoms of decompression illness, barotrauma, nitrogen narcosis, oxygen toxicity, or other health effects associated with work in compressed air for each hyperbaric intervention.

K. Notifications

1. To assist OSHA in administering the conditions specified herein, Ballard would have to:

(a) Notify the OTPCA and the COAO of any recordable injury, illness or fatality (by submitting the completed OSHA Form 301 Injuries and Illness Incident Report) resulting from exposure of an employee to hyperbaric conditions, including those that do not require recompression treatment (e.g., nitrogen narcosis, oxygen toxicity, barotrauma), but still meet the recordable injury or illness criteria of 29 CFR 1904. The notification would have to be made within 8 hours of the incident or 8 hours after becoming aware of a recordable injury, illness, or fatality; a copy of the incident investigation (OSHA Form 301 Injuries and Illness Incident Report) must be submitted to OSHA within 24 hours of the incident or 24 hours after becoming aware of a recordable injury, illness, or fatality. In addition to the information required by OSHA Form 301 Injuries and Illness Incident Report, the incident-investigation report would have to include a root-cause determination, and the preventive and corrective actions identified and implemented.

(b) Provide certification to the COAO within 15 working days of the incident that Ballard informed affected workers of the incident and the results of the incident investigation (including the root-cause determination and preventive and corrective actions identified and implemented).

(c) Notify the OTPCA and the COAO within 15 working days and in writing, of any change in the compressed-air operations that affects Ballard’s ability to comply with the proposed conditions specified herein.

(d) Upon completion of the Lower Olentangy Tunnel Project, evaluate the effectiveness of the decompression tables used throughout the project, and provide a written report of this evaluation to the OTPCA and the COAO within 90 days.

Note: The evaluation report would have to contain summaries of: (1) The number, dates, durations, and pressures of the hyperbaric interventions completed; (2) decompression protocols implemented (including composition of gas mixtures (air and/or oxygen), and the results achieved; (3) the total number of interventions and the number of hyperbaric incidents (decompression illnesses and/or health effects associated with hyperbaric interventions as recorded on OSHA Form 301 Injuries and Illness Incident Report and OSHA Form 300 Log of Work-Related Injuries and Illnesses, and relevant medical diagnoses, and treating physicians’ opinions); and (4) root causes of any hyperbaric incidents, and preventive and corrective actions identified and implemented.
(e) To assist OSHA in administering the proposed conditions specified herein, inform the OTPCA and the COAO as soon as possible, but no later than seven (7) days, after it has knowledge that it will:
(i) Cease doing business;
(ii) Change the location and address of the main office for managing the tunneling operations specified herein; or
(iii) Transfer the operations specified herein to a successor company.
(l) Notify all affected employees of this permanent variance by the same means required to inform them of its application for the permanent variance.
OSHA would have to approve the transfer of the permanent variance to a successor company through a new application for a modified variance.

VII. Authority and Signature

Douglas L. Parker, Assistant Secretary of Labor for Occupational Safety and Health, 200 Constitution Avenue NW, Washington, DC 20210, authorized the preparation of this notice. The agency is issuing this notice pursuant to 29 U.S.C. 655(b)(6), Secretary of Labor’s Order No. 8–2020 (85 FR 58393, Sept. 18, 2020), and 29 CFR 1905.14(b).

Signed at Washington, DC.
Douglas L. Parker,
Assistant Secretary of Labor for Occupational Safety and Health.
[FR Doc. 2024–06532 Filed 3–26–24; 8:45 am]
BILLING CODE 4510–26–P

DEPARTMENT OF LABOR
Occupational Safety and Health Administration
[Docket No. OSHA–2007–0039]
Intertek Testing Services NA, Inc.: Application for Expansion of Recognition
AGENCY: Occupational Safety and Health Administration (OSHA), Labor.
ACTION: Notice.
SUMMARY: In this notice, OSHA announces the application of Intertek Testing Services NA, Inc., for expansion of the recognition as a Nationally Recognized Testing Laboratory (NRTL) and presents the agency’s preliminary finding to grant the application.
DATES: Submit comments, information, and documents in response to this notice, or for requests for an extension of time to make a submission, on or before April 11, 2024.
ADDRESSES: Submit comments by any of the following methods:
Electronically: Submit comments and attachments electronically at http://www.regulations.gov, which is the Federal eRulemaking Portal. Follow the instructions online for making electronic submissions.
Docket: To read or download comments or other material in the docket, go to http://www.regulations.gov or the OSHA Docket Office. All documents in the docket (including this Federal Register notice) are listed in the http://www.regulations.gov index; however, some information (e.g., copyrighted material) is not publicly available to read or download through the website. All submissions, including copyrighted material, are available for inspection through the OSHA Docket Office. Contact the OSHA Docket Office at (202) 693–2350 (TTY (877) 889–5627) for assistance in locating docket submissions.
Instructions: All submissions must include the agency name and the OSHA docket number (OSHA–2007–0039). OSHA places comments and other materials, including any personal information, in the public docket without revision, and these materials will be available online at http://www.regulations.gov. Therefore, the agency cautions commenters about submitting statements they do not want made available to the public, or submitting comments that contain personal information (either about themselves or others) such as Social Security numbers, birth dates, and medical data.
Extension of comment period: Submit requests for an extension of the comment period on or before April 11, 2024 to the Office of Technical Programs and Coordination Activities, Directorate of Technical Support and Emergency Management, Occupational Safety and Health Administration, U.S. Department of Labor, 200 Constitution Avenue NW, Room N–3653, Washington, DC 20210, or by fax to (202) 693–1644.
FOR FURTHER INFORMATION CONTACT: Information regarding this notice is available from the following sources: Press inquiries: Contact Mr. Frank Meilinger, Director, OSHA Office of Communications, phone: (202) 693–1999 or email: meilinger.francis2@dol.gov.
General and technical information: Contact Mr. Kevin Robinson, Director, Office of Technical Programs and Coordination Activities, Directorate of Technical Support and Emergency Management, Occupational Safety and Health Administration, phone: (202) 693–1911 or email: robinson.kevin@dol.gov.
SUPPLEMENTARY INFORMATION:
I. Notice of the Application for Expansion
OSHA is providing notice that Intertek Testing Services NA, Inc. (ITSNA), is applying for expansion of the current recognition as a NRTL. ITSNA requests the addition of four test standards to the NRTL scope of recognition.
OSHA recognition of a NRTL signifies that the organization meets the requirements specified in 29 CFR 1910.7. Recognition is an acknowledgment that the organization can perform independent safety testing and certification of the specific products covered within the scope of recognition. Each NRTL’s scope of recognition includes: (1) the type of products the NRTL may test, with each type specified by the applicable test standard; and (2) the recognized site(s) that has/have the technical capability to perform the product-testing and product-certification activities for test standards within the NRTL’s scope. Recognition is not a delegation or grant of government authority; however, recognition enables employers to use products approved by the NRTL to meet OSHA standards that require product testing and certification.
The agency processes applications by a NRTL for initial recognition and for an expansion or renewal of this recognition, following requirements in Appendix A to 29 CFR 1910.7. This appendix requires that the agency publish two notices in the Federal Register in processing an application. In the first notice, OSHA announces the application and provides a preliminary finding. In the second notice, the agency provides a final decision on the application. These notices set forth the NRTL’s scope of recognition or modifications of that scope. OSHA maintains an informational web page for each NRTL, including ITSNA, which details the NRTL’s scope of recognition. These pages are available from the OSHA website at http://www.osha.gov/ots/otpca/nrtl/index.html.
ITSNA currently has thirty-five facilities (sites) recognized by OSHA for product testing and certification, with the headquarters located at: Intertek Testing Services NA, Inc., 545 East Algonguin Road, Suite F, Arlington Heights, Illinois 60005. A complete list of ITSNA’s scope of recognition is available at https://www.osha.gov/nationally-recognized-testing-laboratory-program/its.