

DUTIES OF CONFINED SPACE ENTRY PERSONNEL

PERSONNEL	DUTIES
<p style="text-align: center;">Authorized Entrant</p>	<ol style="list-style-type: none"> 1. Reviews information on the hazards that may be faced during entry, including information on the mode, signs or symptoms and consequences of exposure (refer to MSDS). 2. Properly uses equipment as required during the confined space entry. 3. Communicates with the attendant as necessary to enable the attendant to monitor entrant status and to enable the attendant to alert entrants of the need to evacuate the space as required. 4. Alerts the attendant whenever: <ul style="list-style-type: none"> ▪ The entrant recognizes any warning sign or symptom of exposure to a dangerous situation ▪ The entrant detects a prohibited condition 5. Exits from the confined space as quickly as possible whenever: <ul style="list-style-type: none"> ▪ An order to evacuate is given by the attendant or the entry supervisor ▪ The entrant recognizes any warning sign or symptom of exposure to a dangerous situation ▪ The entrant detects a prohibited condition ▪ An evacuation alarm is activated
<p style="text-align: center;">Authorized Attendant</p>	<ol style="list-style-type: none"> 1. Reviews information on the hazards that may be faced during entry, including information on the mode, signs or symptoms and consequences of exposure (refer to MSDS). 2. Is aware of possible behavioral effects of hazard exposure in entrants. 3. Continuously maintains an accurate count of authorized entrants in the confined space and ensures that the means used to identify authorized entrants accurately identifies who is in the space. 4. Remains in a pre-designated location outside the confined space during entry operations until relieved by another attendant. <ul style="list-style-type: none"> ▪ Attendants may be stationed at any location outside the confined space to be monitored as long as their duties can be effectively performed for each space that is monitored. ▪ Enter a confined space to attempt a rescue if they have been relieved of their attendant duties and if they have been trained and equipped for rescue operations. 5. Communicates with authorized entrants as necessary to monitor entrant status and to alert entrants of the need to evacuate the space. 6. Monitors activities inside and outside the space to determine if it is safe for entrants to remain in the space and orders the authorized entrants to evacuate the confined space immediately under any of the following conditions: <ul style="list-style-type: none"> ▪ If the attendant detects a prohibited condition ▪ If the attendant detects the behavioral effects of hazard exposure in an entrant ▪ If the attendant detects a situation outside the space that could endanger an entrant

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Authorized Attendant	<ul style="list-style-type: none"> ▪ If the attendant cannot effectively and safely perform all the duties required under this section <ol style="list-style-type: none"> 7. Summons rescue and other emergency services as soon as it is determined that entrants may need assistance to escape from permit space hazards. 8. Knows the location of the nearest telephone and fire extinguisher. 9. Takes the following actions when unauthorized persons approach or enter a confined space while entry is underway: <ul style="list-style-type: none"> ▪ Warns the unauthorized persons that they must stay away from the confined space. ▪ Advises the unauthorized persons that they must exit immediately if they have entered the confined space. ▪ Informs the authorized entrants and the entry supervisor if unauthorized persons have entered the confined space. 10. Performs non-entry rescues as specified by Boron Operations rescue procedure once the Main Gate (7911) has been notified of the incident. 11. The attendant may occasionally assist the entrants with tools or parts as long as such assistance does not interfere with the attendant's primary duty—to monitor and protect the entrants, and so long as the attendant does not enter the space or leave the entry point.
Entry Supervisor	<ol style="list-style-type: none"> 1. Obtains and communicates information on the hazards that may be faced during entry, including information on the mode, signs or symptoms, and consequences of exposure. 2. Performs a risk assessment of the hazards of the space prior to entry. 3. Verifies, by checking that the appropriate written entries have been made on the permit, that all tests specified by the permit have been conducted and that all procedures and equipment specified by the permit are in place before endorsing the permit and allowing entry to begin. 4. Ensures that all parties concerned (including contractors) are aware of the accepted procedures necessary for entry, and for concluding the entry after entry operations have been completed, such as closing a confined space and canceling the permit. 5. Verifies that all members of the Confined Space Entry Team are trained and competent. This will be achieved by asking specific questions of each member about their duties, their understanding of the space and its hazards, etc., prior to entry and by observation of their preparation procedures. Such verification will be documented on the permit form. 6. Terminates the entry and cancels the permit as required in accordance with the Boron Operations C5: Confined Space Standard (SAF-C5-001). 7. Verifies that rescue services are available, that the means for summoning them are operable, and that a Rescue Pre-Plan has been completed. 8. Ensures removal of unauthorized individuals who enter or who attempt to enter the permit space during entry operations. 9. Confirms entry operations remain consistent with terms of the entry permit and acceptable entry conditions are maintained whenever responsibility for a confined space entry operation is transferred and as dictated by the hazards and operations performed within the space. 10. Perform first-in (initial) air testing for each confined space entry.
Safety Department Personnel	<ol style="list-style-type: none"> 1. Assist in risk assessment as needed. 2. Develop Rescue Pre-plans in conjunction with entry supervisor prior to entry. 3. Coordinate emergency response activities in the event of a confined space emergency.

