

The background image shows a large, tan-colored industrial tank or vessel. A circular hatch door is visible, featuring a prominent warning sign that reads "PERIGO" (Danger) in a red oval, followed by "PROIBIDA A ENTRADA" (No Entry) and "RISCO DE MORTE" (Risk of Death) in black text. Above the hatch, a smaller white label with the code "510 TQ 05" and some logos is attached. The scene is set in an industrial environment with other structures and equipment visible in the background.

Vale Learning - 21140 CAR 06 - Critical Activity Requirements: Confined Spaces

Hello, welcome to the **CAR 06 course – Critical Activity Requirements: Confined Spaces**.

In this knowledge journey we will explain the requirements for this critical activity, through videos, texts, graphics and interactions.

Expand your knowledge, review your activities and behaviors. The obsession with safety and risk management is one of the key behaviors of those who are part of Vale!

Have a good course!

≡ Welcome

≡ Context

≡ Confined Spaces

≡ Responsibilities

≡ In Practice

≡ Accident Cases and Lessons Learned



Conclusion

Welcome



Watch the full video to continue.

Context



To start, let's understand better why we have the CARs and how important they are to Vale and to you.

Click on the following video and start your journey of knowledge!




Context

CARs



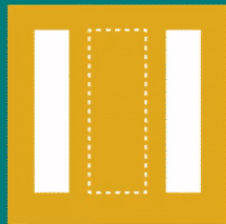
Watch the full video to continue.

Confined Spaces



Now that we know what RACs are, their importance and context in Vale, we will deepen our knowledge about **CAR 06 – Confined Spaces!**

Check out the following video!



Confined Space

CAR 06



Watch the full video to continue.

***Keep an eye
on the CAR!***



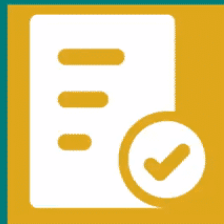
CAR 06: Protection

This CAR aims to establish **Health and Safety requirements** to eliminate, control and minimize the risk of fatalities, injuries or incidents involving entrances to **confined spaces**.

CONTINUE

Next we will introduce the **applicability** of CAR 06.

Check out the following video!



Application

CAR 06



Watch the full video to continue.

***Keep an eye
on the CAR!***



CAR 06: Applicability

CAR 06 is aplicable to **all access and/or activities to be performed in a confined space** at Vale's facilities, by its employees or third party professionals.



Watch the full video to continue.

Responsibilities



Safety is everyone's responsibility!

See the following video **roles and responsibilities** related to CAR 06
and check out what's expected of you!



Watch the full video to continue.

In Practice



You know what CARs are, what CAR 06 covers, and what is expected about this requirement.

Now it's time to see in practice how it applies!



In Practice

CAR 06



Complete the content above before moving on.

Let's deepen our knowledge of CAR 06 by knowing the requirements for procedures. Check it out!

Requirements for Procedures



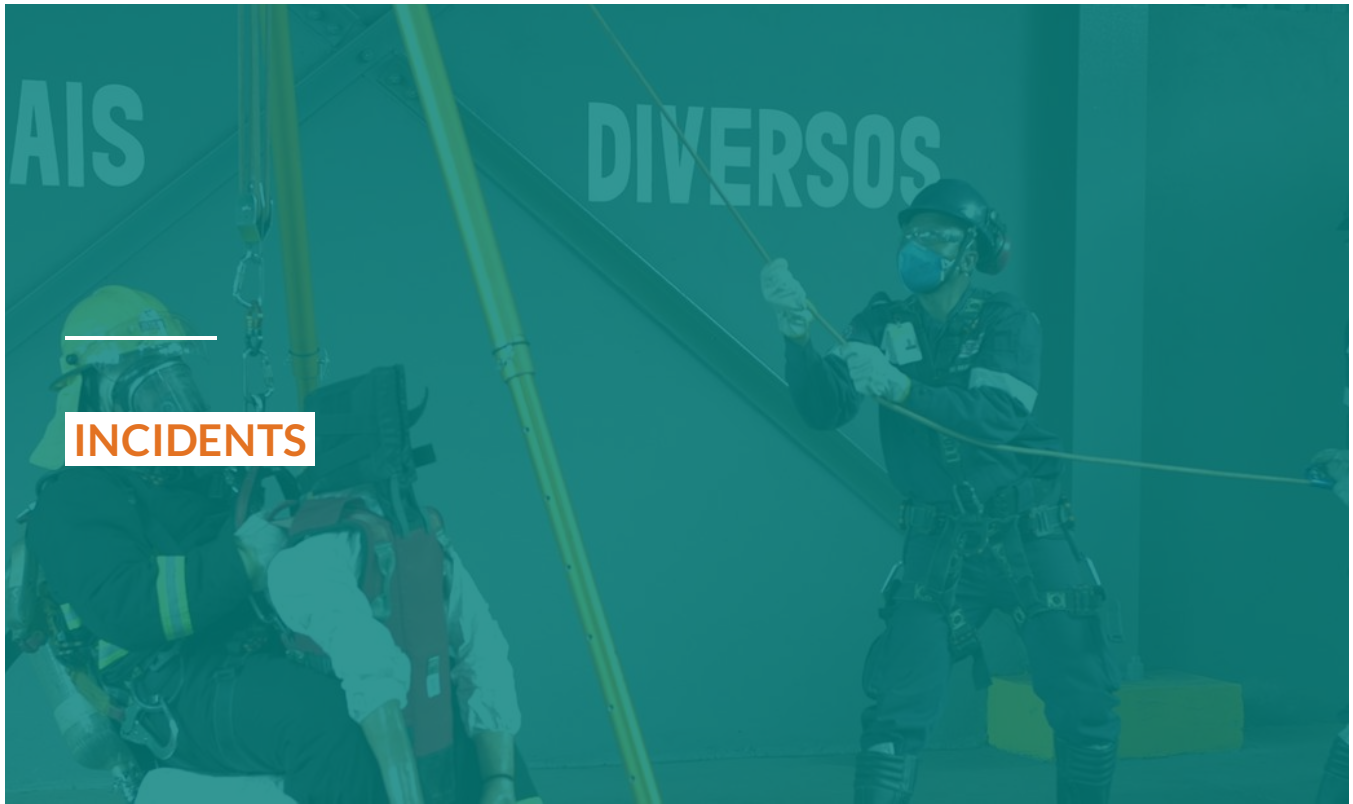
In Practice

CAR 06



Complete the content above before moving on.

Accident Cases and Lessons Learned



What are **Incidents**?

Incidents are unwanted events, but if they do, it is critical to identify key contributing factors and share all the lessons learned in order to implement the necessary control measures to prevent other similar incidents from happening and generate learning and continuous improvement.

We will now know or **recall an incident** that occurred in Vale during work in confined spaces and **understand what were the main contributing factors** associated with each event and **what requirements of CAR 06 could have been applied to avoid** these undesirable occurrences.



Complete the content above before moving on.

Incident Report



Date: 07/02/2019.

Location: Base Metals – South Atlantic – Onça Puma – Ourilandia do Norte – PA – Brazil.

Occurrence Type: N2.

Event description:

When starting the refractory demolition activity, **an employee of a contracted company positioned himself on a scaffold** located inside silo 2 of the calciner. When he positioned the tools, **he was hit in the neck and lumbar region by hot calcined dust**, which accumulated after draining the silo. The employee left

immediately with help from another employee. After the incident, the emergency team was called in and carried out the first visit and found burns. He was removed to the hospital for further tests.

Associated CAR 06 requirements

6.7.1.2 (A) - Entry —

Entry into confined space must be carried out after the confined space has been adequately prepared by applying a specific procedure aimed at controlling all risks that impede activity in confined space.

☒ *Missing requirement.*

☐ *Present and flawed requirement.*

6.7.1.2 (B) - Preparation Check list —

The confined space preparation procedure shall be specific and elaborated in a checklist-like format.

☒ *Missing requirement.*

☐ *Present and flawed requirement.*

6.7.1.2 (C) - Etapas da Preparação —

Confined space preparation process involves the steps of cleaning, decontamination and ventilation, prior to any confined space entry.

☒ *Missing requirement.*

☐ *Present and flawed requirement.*

6.7.1.2 (F) - Descrição das etapas —

Description of steps for internal cleaning of residual material.

☒ *Missing requirement.*

☐ *Present and flawed requirement.*



Complete the content above before moving on.



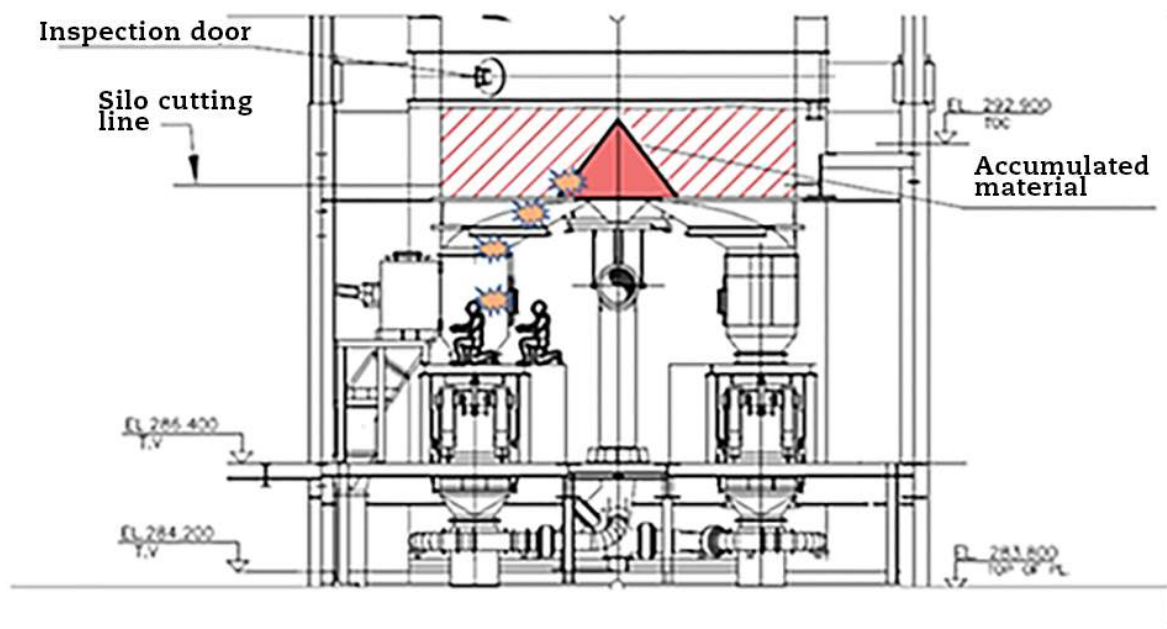
Main Lessons Learned

The entry activity in confined spaces should contemplate steps properly covered by procedures.

CAR 06 is applied for accessing and/or performing activities in confined spaces. Access to confined spaces, as well as the activities to be carried out in these locations, are considered **critical** in view of the risks related to the **atmosphere in these areas** and the other risks inherent to the activities to be performed.

Before any entry into confined spaces, the elaboration and application of procedures that contemplate the **prior preparation of the confined space**, the actual entry into the confined space and **the activities to be performed** in confined spaces must be observed, among other requirements.

In the preparation stage, **cleaning processes** that allow entry into these spaces must be identified and addressed: methods must be established so that **residual materials are identified** and steps defined to **remove these materials** that pose risks to workers.



Sketch showing confined space, the location of the waste material and the respective positioning of employees at the time of the event

CONTINUE

the expert's word



The CARs are guidelines that should be applied, in the day-to-day, in the routine of each activity. Its adoption generates results and makes a difference.

Check out the following video the word of a colleague who tells us in his vision what the importance of CAR 06 is.



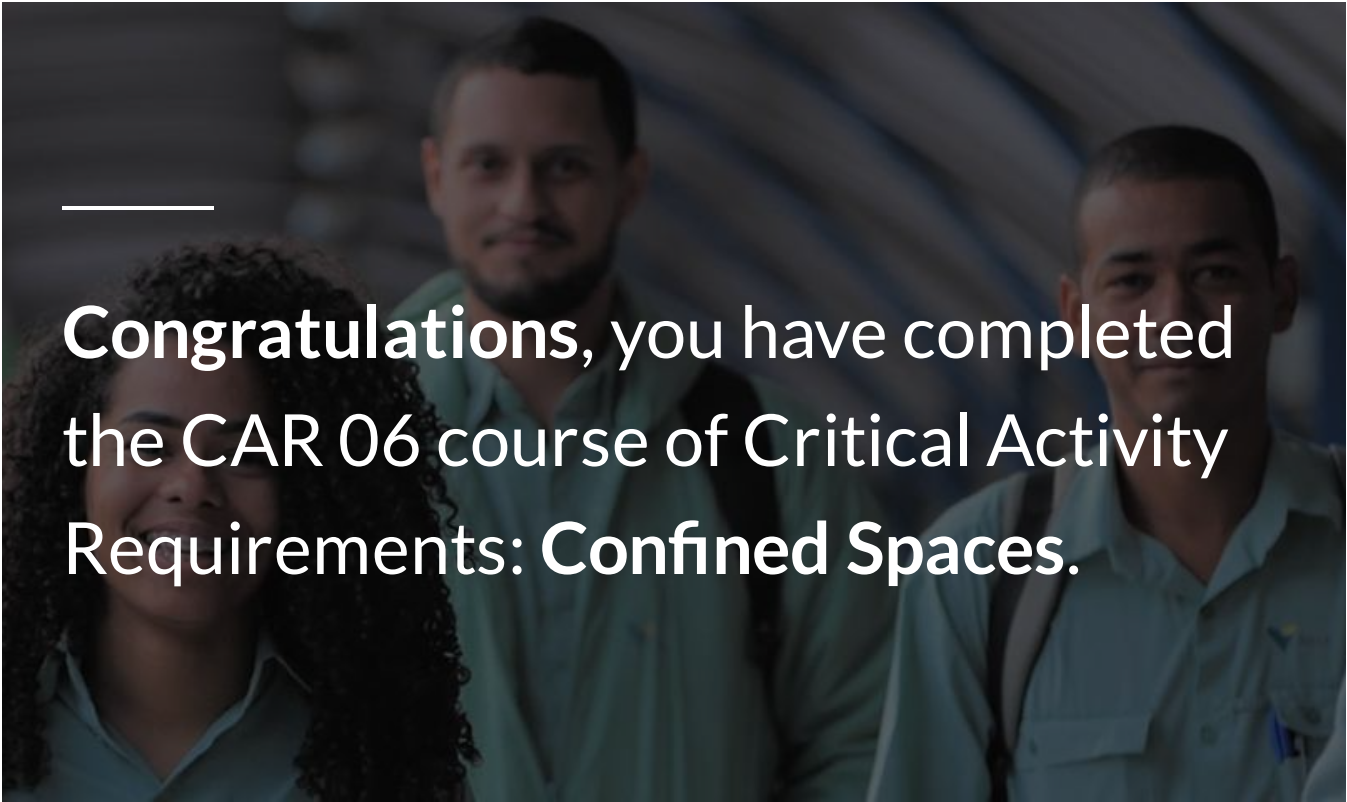
Word of Specialist

CAR 06



Complete the content above before moving on.

Conclusion

A photograph of three people in military uniforms, two men and one woman, smiling. The image is dark and serves as a background for the congratulatory text.

**Congratulations, you have completed
the CAR 06 course of Critical Activity
Requirements: Confined Spaces.**



Conclusion

CAR 06



Also check out the courses of the other CARs. Apply the knowledge acquired here in your day to day, and good work.



Thank you for completing the

Vale Online Module Training.

Complete Your
Module Validation

PLEASE CLICK HERE