



Ohio Recycling Facility Certification Training

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RCI Ohio Addendum History and Intent

- CHALLENGES TO RECYCLING IN OHIO
- OHIO EPA SUPPORT FOR RECYCLING
- OEPA SOLUTION TO C&DD FINES

Challenges to Recycling in Ohio

- Potential creation of MSW
 - Based on historical Ohio EPA interpretation of the C&DD regulations residual material could be considered MSW
- Markets must be developed



Ohio EPA Support for Recycling

C&DD fees fund the OEPA Market
Development Grant Program.

- There is up to \$250,000 in grant
money for C&DD recycling
available.



Ohio EPA Solution to C&DD Residuals

Director
Butler's 2014
Letters to the
Industry

- The letters state - material from a recycling facility is C&DD if:
 - No crushing, grinding or shredding occurs
 - Foreign materials are removed
- Work continues on a solution for a regulator's difficulty in distinguishing fines from pulverized debris based on physical examination

Ohio EPA/CDAO Solution Part One:

The Recycling Certification Institute (RCI)

- Development of a third party facility validation program specific to Ohio
- Ohio Specific RCI Addendum goals
 - Confirm business filings
 - Confirms that the recycling process does not create pulverized debris
 - Confirms the acceptance of OHIO defined C&DD only

Ohio EPA/CDAO Solution Part Two:

Recycler Certification ORC 3714.082

"...transfer facility to certify that material that is transferred from the transfer facility to the construction and demolition debris facility is not off-specification material; hazardous waste, solid wastes, or infectious wastes; or low-level radioactive waste whose treatment, recycling, storage, or disposal is governed under division (B) of section 3748.10 of the Revised Code. As used in this section, "hazardous waste," "solid wastes," and "infectious wastes" have the same meanings as in section 3734.01 of the Revised Code."

Ohio EPA CDAO Solution Part Two Cont.

Recycler Certification ORC 3714.082

- Once the facility is RCI Certified with the Ohio Addendum then the facility may use the form provided by Ohio EPA for certification of the material from the facility.

What is RCI?

- RECYCLING CERTIFICATION INSTITUTE
- OVERVIEW OF RCI
- OVERVIEW & OBJECTIVE OF CORR
- HOW DOES CORR WORK?
- RISK ASSESSMENT
- TYPES OF CERTIFICATION

Recycling Certification Institute

- ▶ RCI is an independent third party verification of information that is used across the country by recycling facilities.
- ▶ For additional information on RCI please visit their website, www.recyclingcertification.org.



Overview of RCI

Organizational
History

Board of Directors

Funding

Overview & Objective of CORR

- ▶ 3rd-party C&D facility certifications
- ▶ Protocols developed with industry input
- ▶ RCI protocols, procedures, and methodologies

How Does CORR Work?

- Facility first Registers with RCI, then submits "Application for Certification"
- RCI contracts with independent, third-party firms
- Trained as RCI Evaluators
- Evaluators, using RCI Protocols evaluate the processes, records, and reports of the facility.

Risk Assessment

Risk-Based Evaluation

Frequency of Scale Calibration

Training of Facility Personnel

Maintenance/Operation of Equipment

QA/QC of Data Collection Process

Use of EMS or Other Data Management

Data Calculations

Markets and Sales of Materials

Types of Certification

- CONDITIONAL or FULL
- SINGLE or MIXED MATERIAL
- MSW and MIXED MATERIAL COMBINED
- Application Process....

NEW!

Background on the Addendum

Ohio EPA Solution Part One

- WHAT IS THE ADDENDUM?
- WHAT IS IT'S PURPOSE?
- HOW WILL IT BE USED?

What is the Addendum?

- ▶ The Ohio EPA and the Construction and Demolition Association of Ohio (CDAO), in an effort to increase recycling and alleviate the lack of material handling regulations over the C&DD recycling industry, has worked with the Recycling Certification Institute (RCI) to create an addendum to the RCI certification program.
- ▶ This addendum is an independent verification of information for Ohio recycling facilities.
- ▶ The addendum includes items which may be found in the existing RCI program.
- ▶ The Ohio EPA and the CDOA have added to the existing RCI Program to create an Ohio specific document.

Purpose of the Addendum

- ▶ The purpose of the addendum is to provide information to the regulators which would be otherwise unavailable.
- ▶ Along with other information that may be required by the Ohio EPA, the addendum allows the regulators to make informed decisions about the resulting material from a RCI Certified Facility.



How Will It be Used?

- ▶ The Ohio EPA has created guidance documents which outline what and how OEPA programs will utilize the RCI Certification and the Ohio Addendum.
- ▶ Additional agencies or programs may create other programs which utilize the RCI certification.

Who can be an Evaluator for Ohio?

- ▶ Any RCI Evaluator may do standard RCI Certifications in Ohio.
- ▶ Certain Evaluators will be qualified to sign a Certification that includes the Ohio Addendum.
 - ▶ Approved by RCI and the CDAO.
 - ▶ Must have 5 years of experience with Ohio C&DD laws.

The Addendum

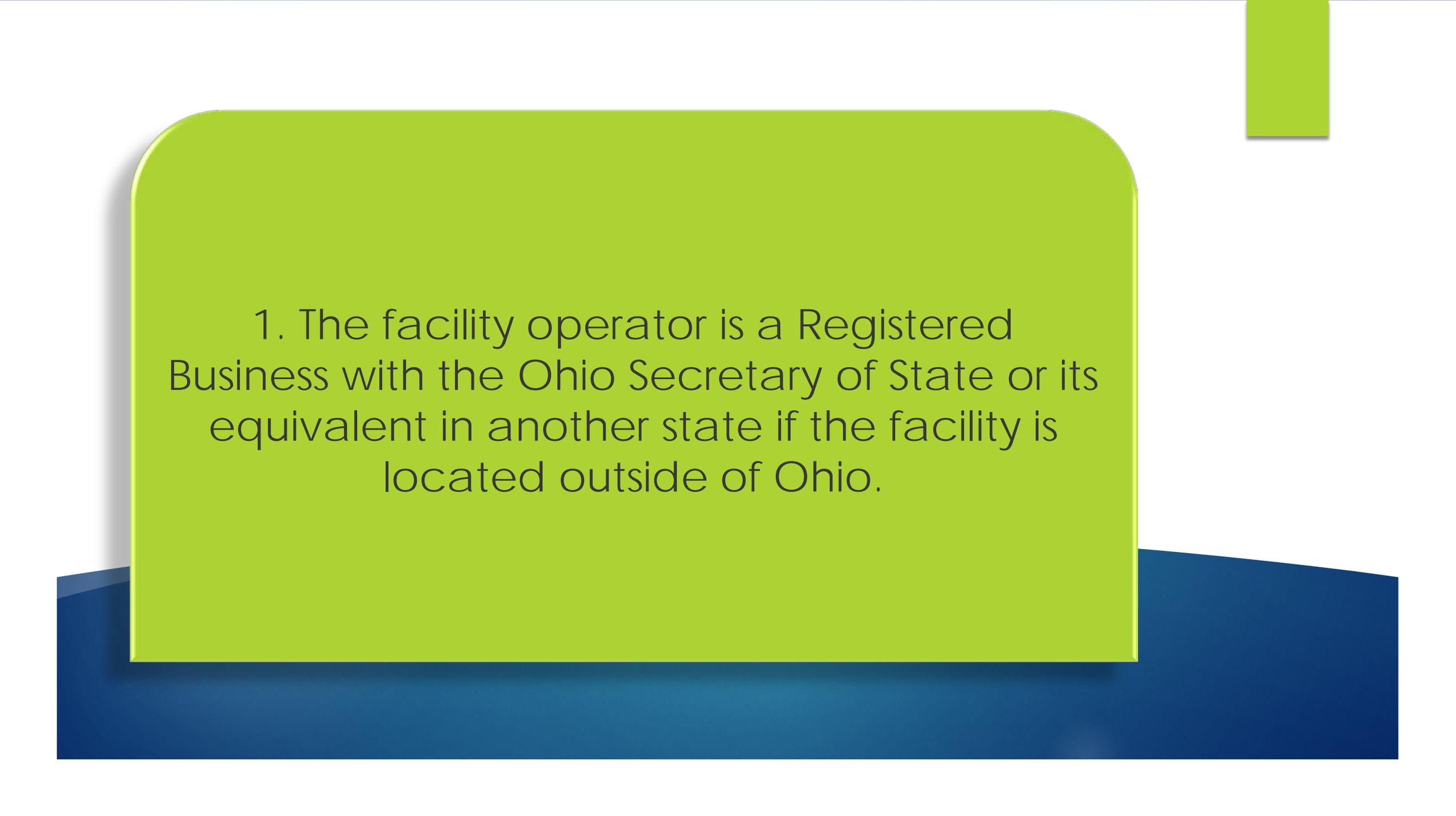
WHAT THE EVALUATORS WILL
BE LOOKING AT

Facility Information Page

Ohio Construction and Demolition Debris (C&DD) Recycling Addendum

- ▶ Facility Name -
- ▶ Facility Address -
- ▶ Property Owner Contact Information -
- ▶ Facility Operator Contact Information -
- ▶ Facility Operator 24 hr. Emergency Contact -
- ▶ Operational Start Date -

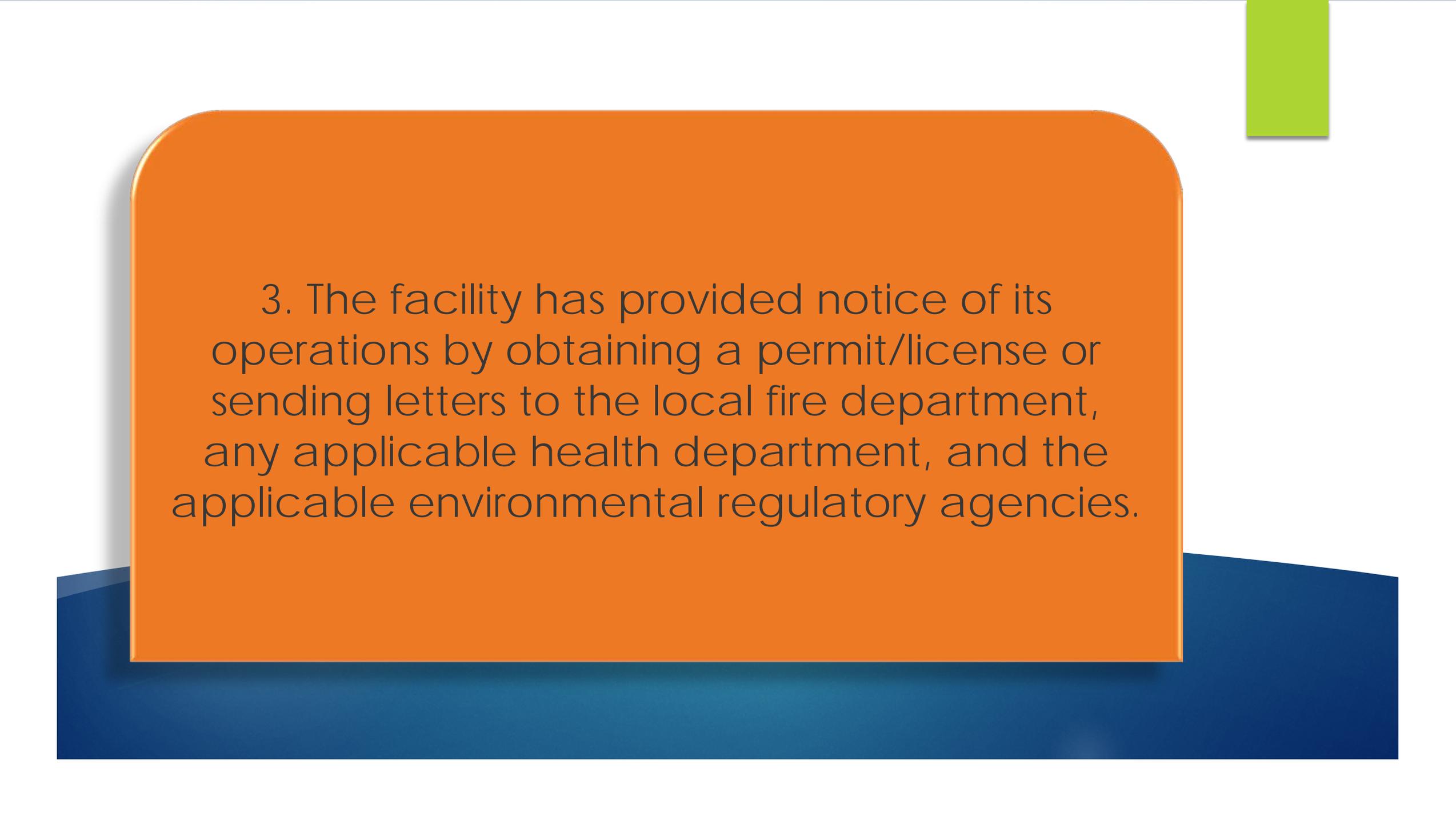




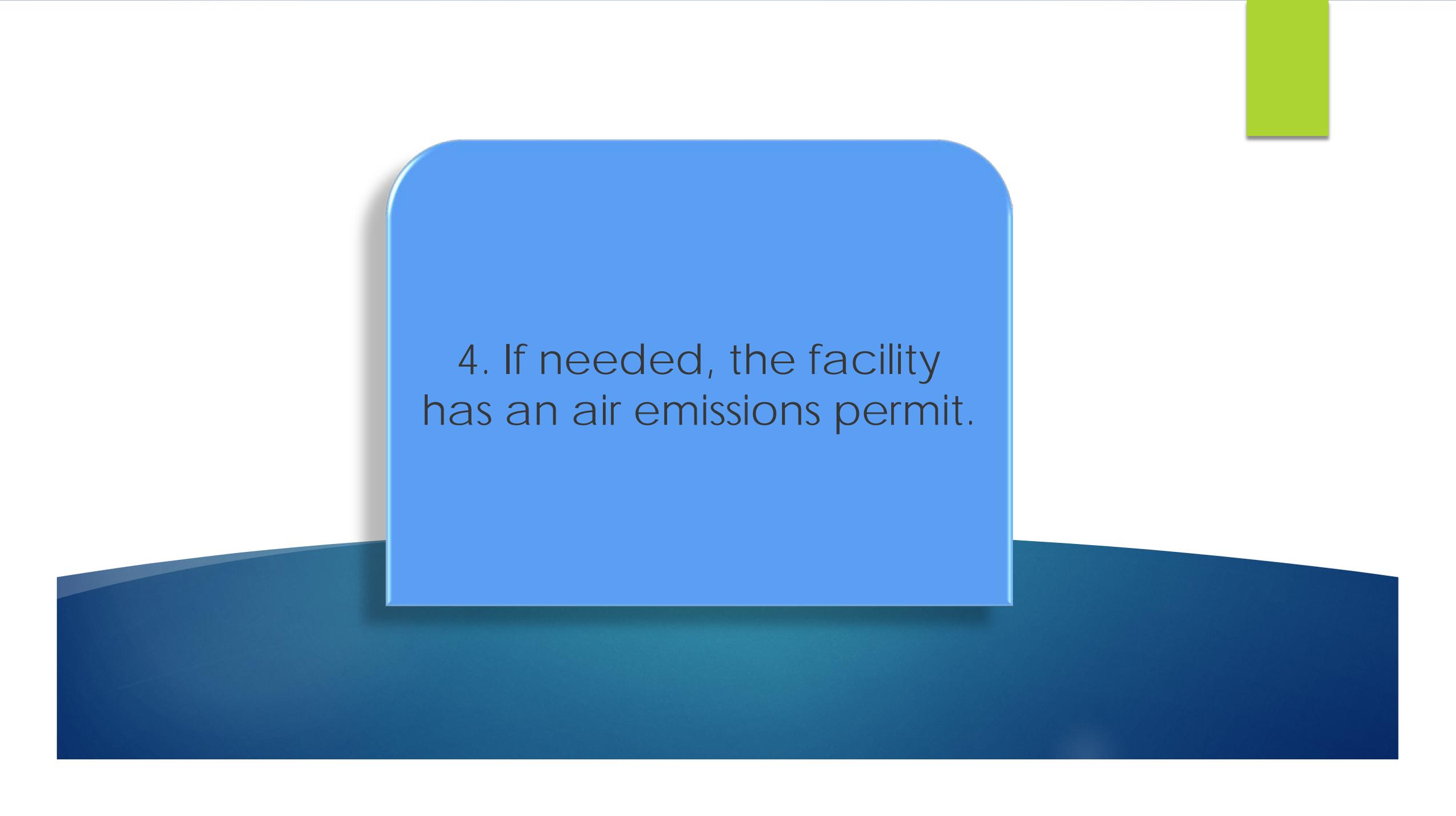
1. The facility operator is a Registered Business with the Ohio Secretary of State or its equivalent in another state if the facility is located outside of Ohio.



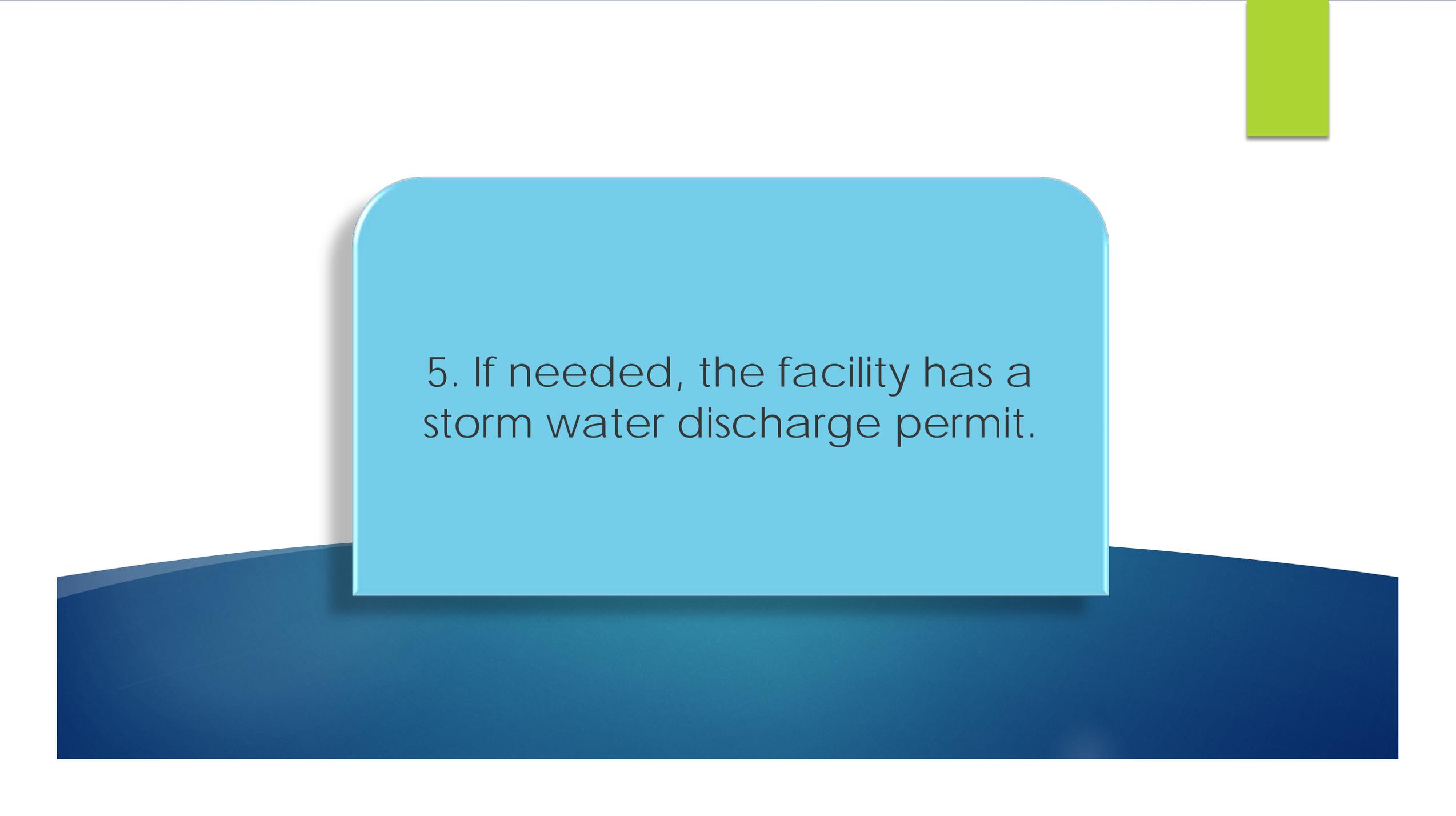
2. The facility has provided evidence of general liability insurance in the facility's name.



3. The facility has provided notice of its operations by obtaining a permit/license or sending letters to the local fire department, any applicable health department, and the applicable environmental regulatory agencies.



4. If needed, the facility has an air emissions permit.

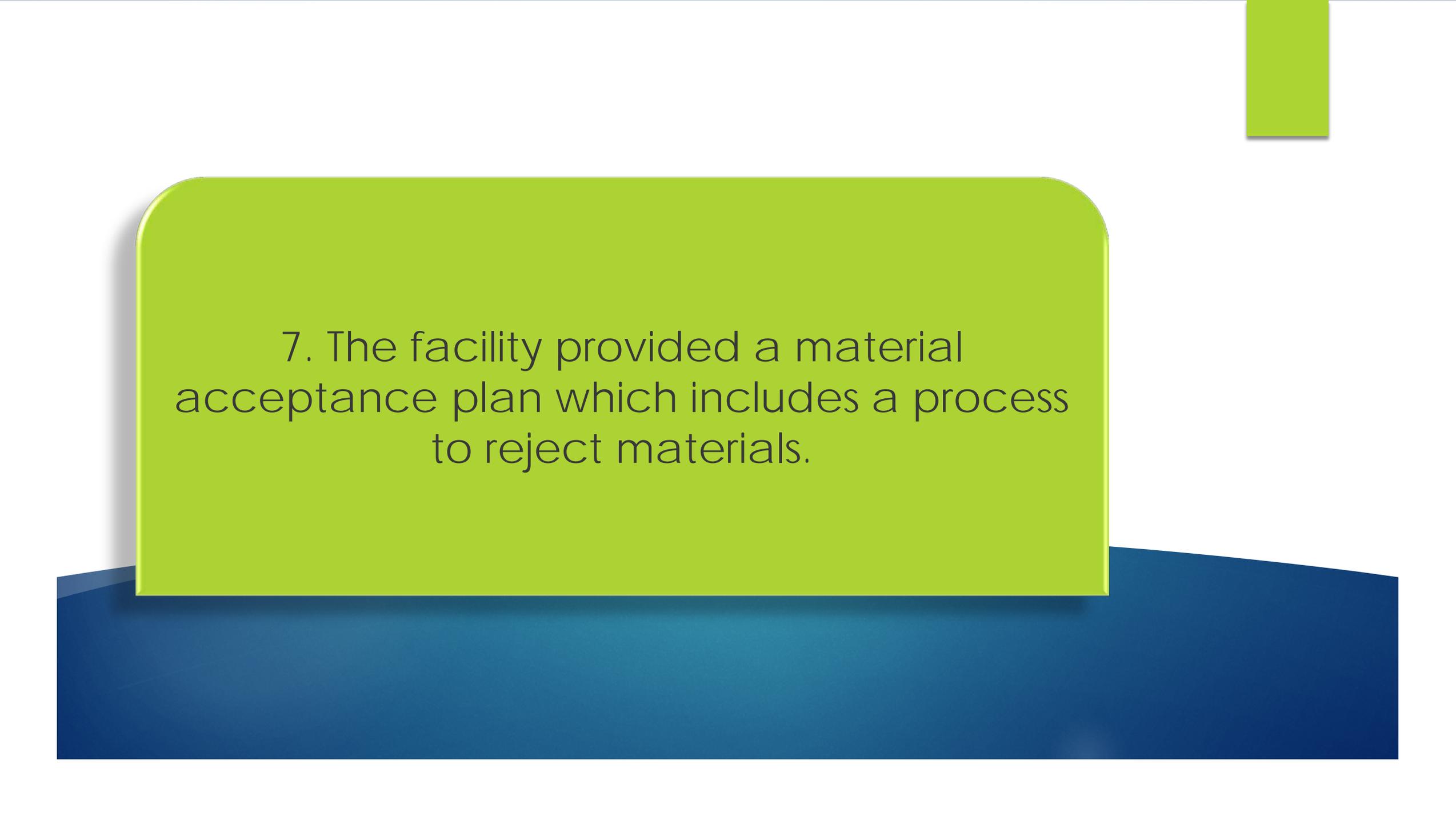


5. If needed, the facility has a storm water discharge permit.

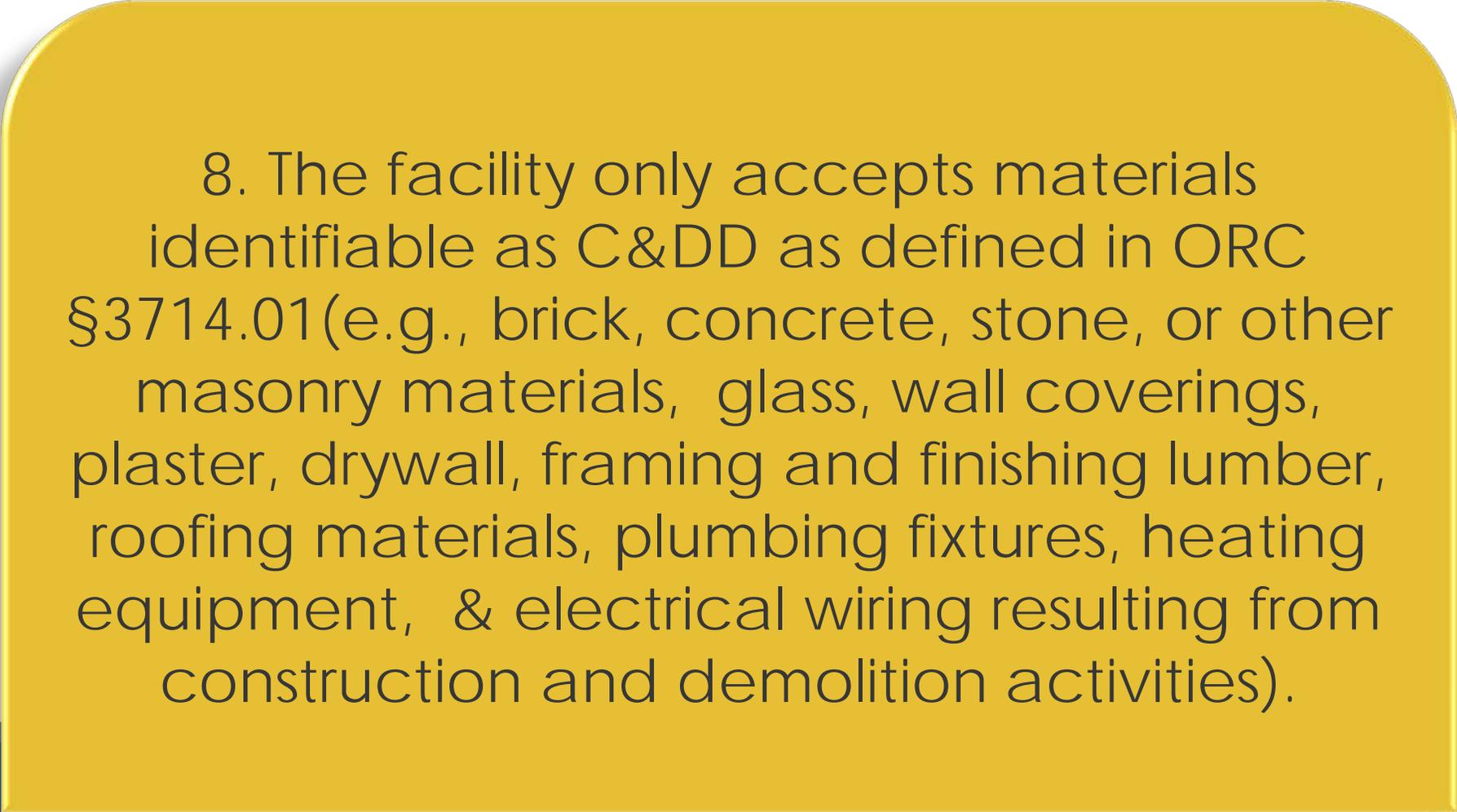


6. The facility provided a material process description plan and narrative, describing maximum materials storage and access.

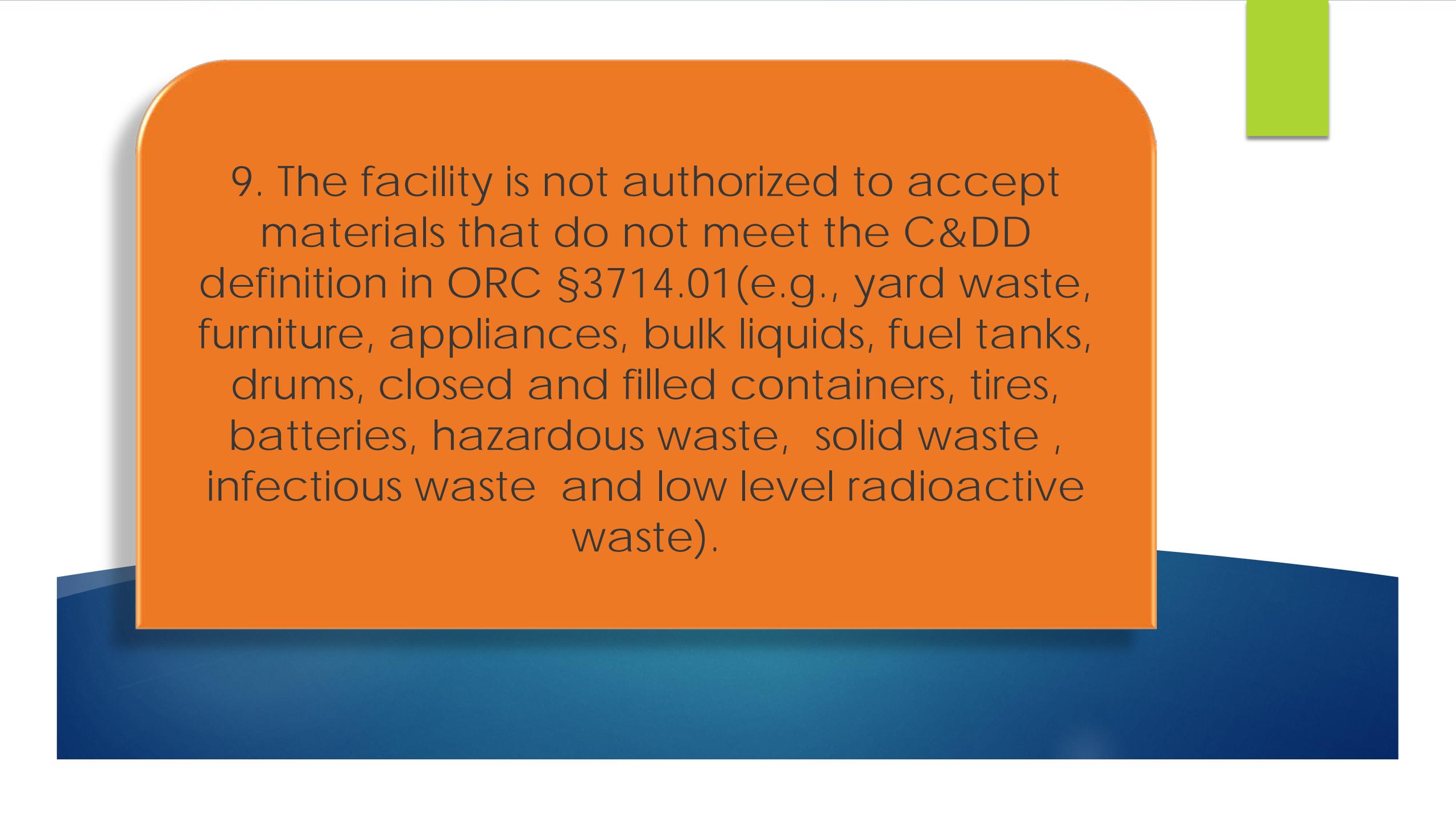




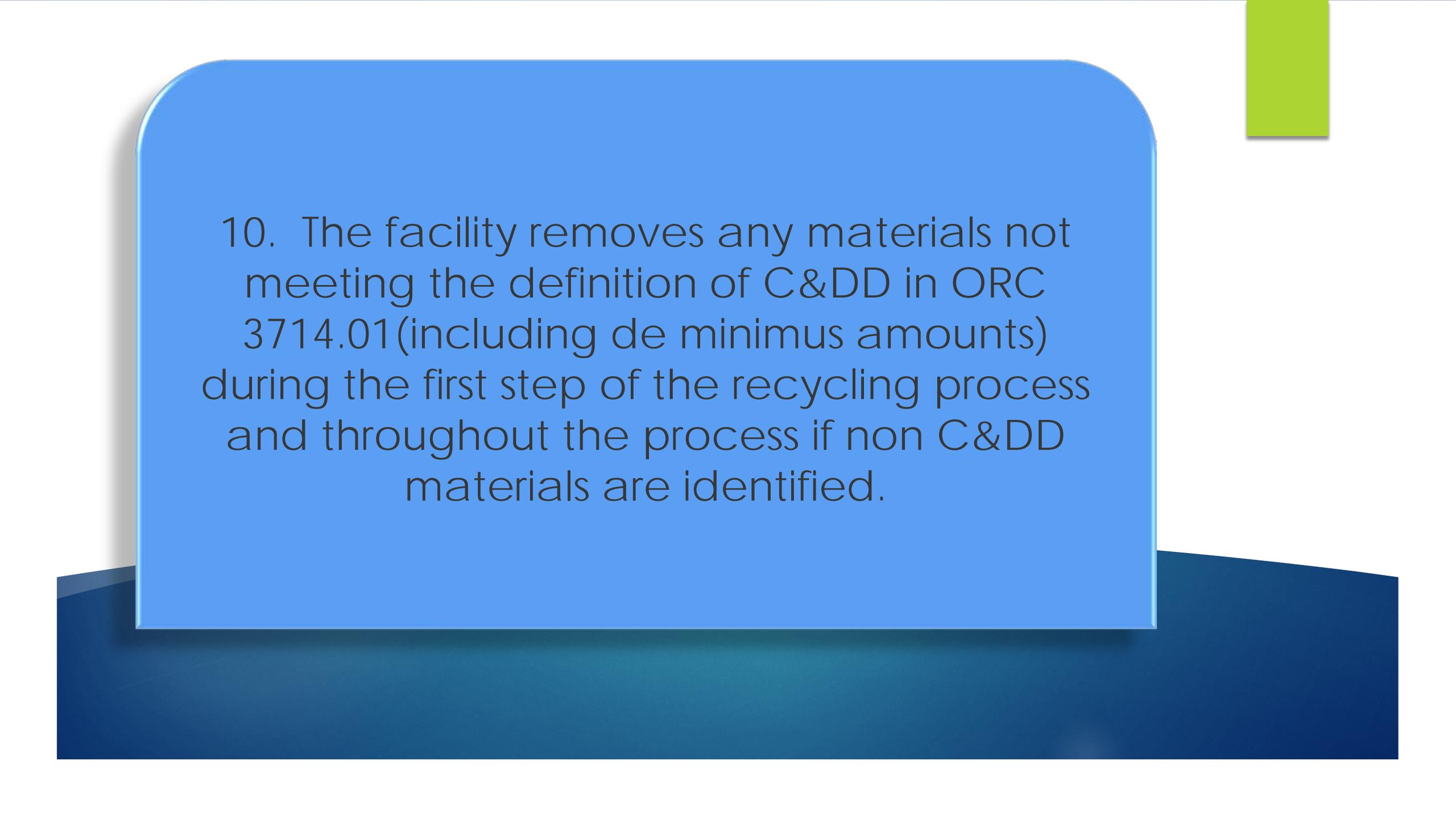
7. The facility provided a material acceptance plan which includes a process to reject materials.



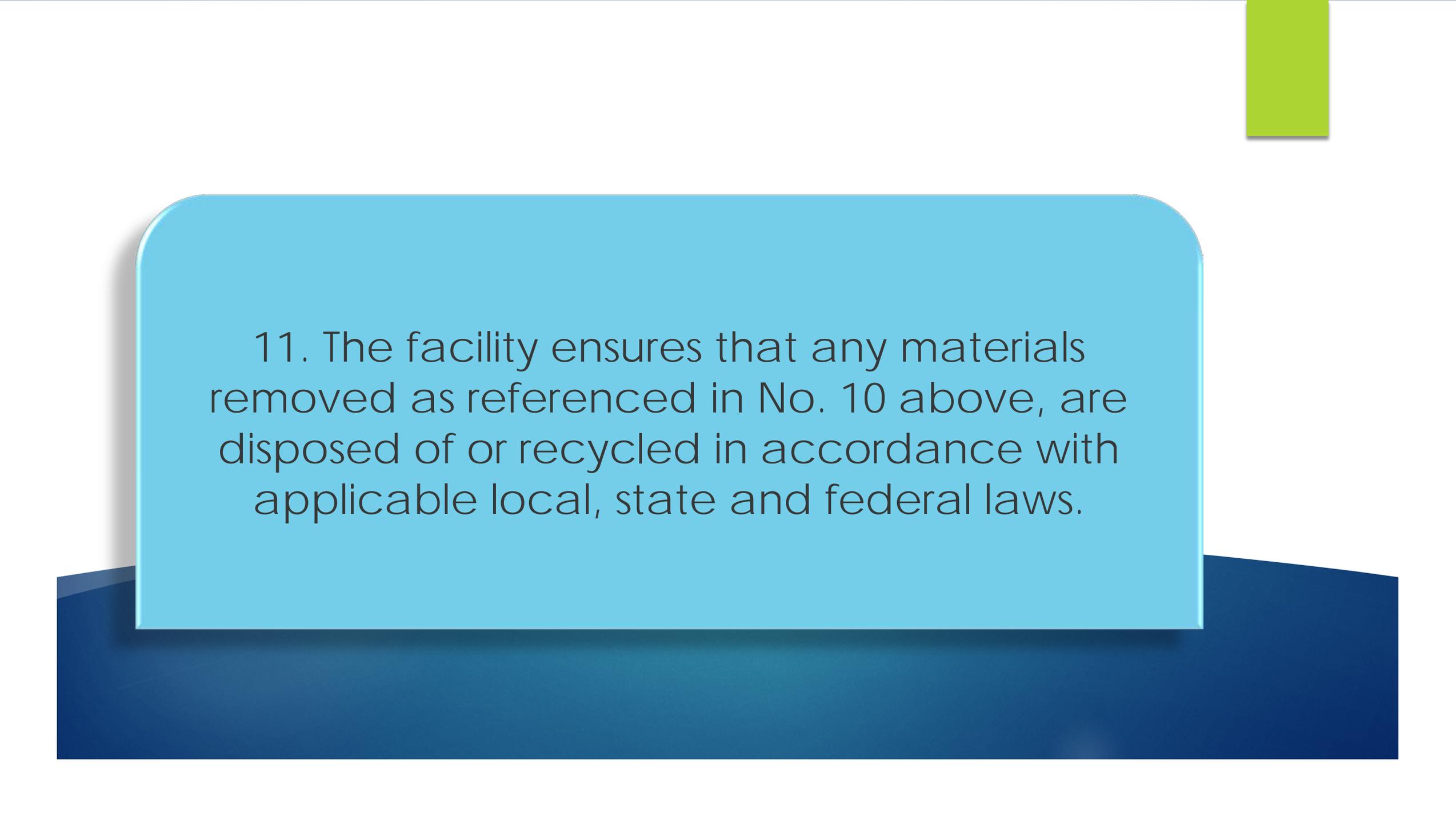
8. The facility only accepts materials identifiable as C&DD as defined in ORC §3714.01 (e.g., brick, concrete, stone, or other masonry materials, glass, wall coverings, plaster, drywall, framing and finishing lumber, roofing materials, plumbing fixtures, heating equipment, & electrical wiring resulting from construction and demolition activities).



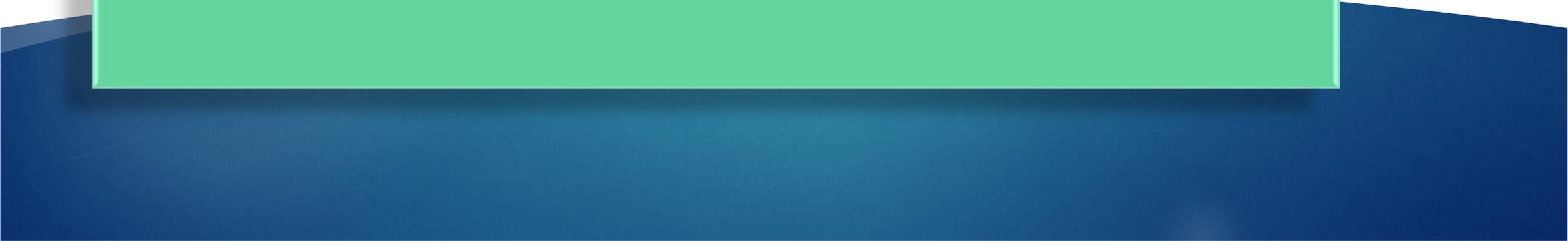
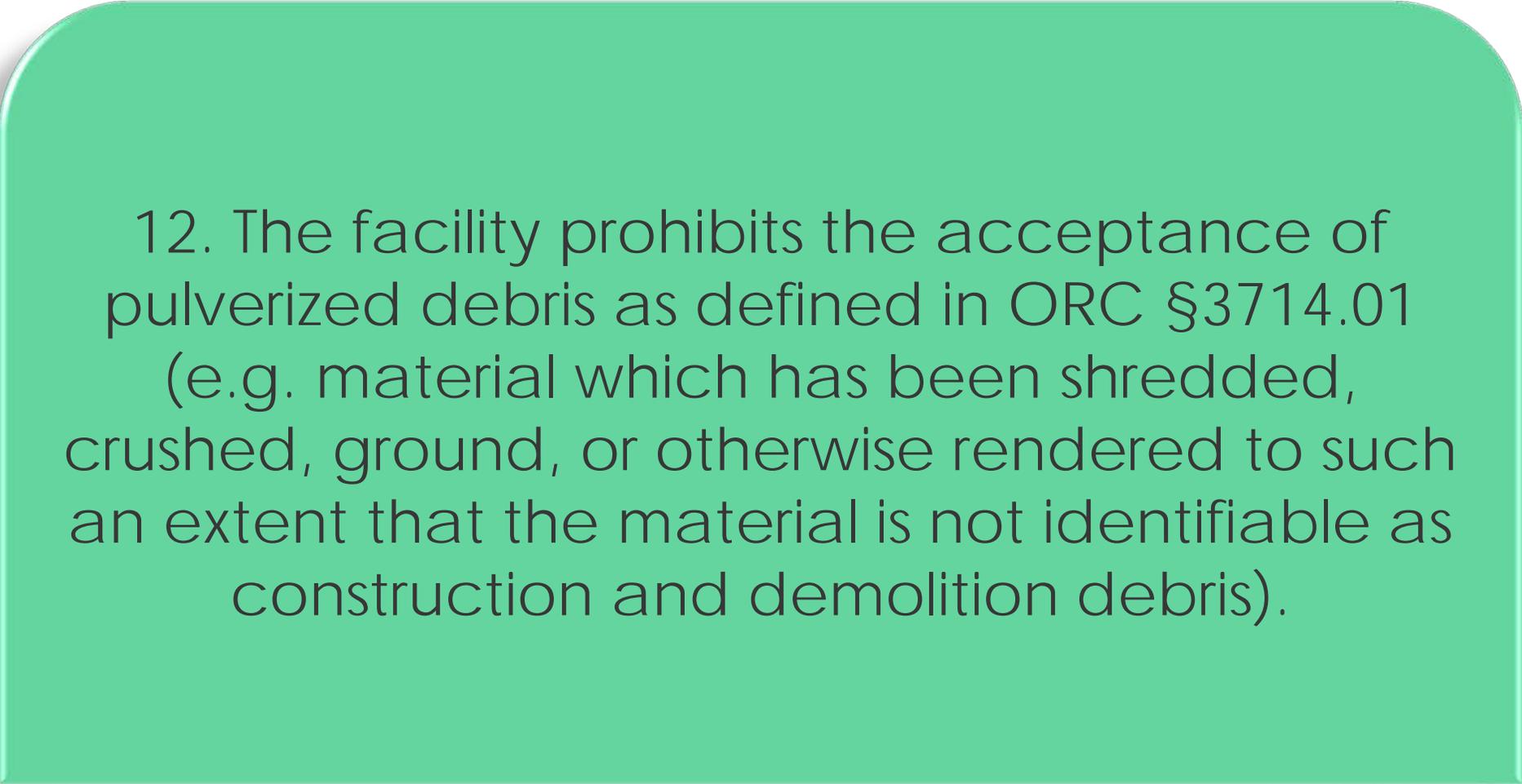
9. The facility is not authorized to accept materials that do not meet the C&DD definition in ORC §3714.01 (e.g., yard waste, furniture, appliances, bulk liquids, fuel tanks, drums, closed and filled containers, tires, batteries, hazardous waste, solid waste, infectious waste and low level radioactive waste).



10. The facility removes any materials not meeting the definition of C&DD in ORC 3714.01 (including de minimus amounts) during the first step of the recycling process and throughout the process if non C&DD materials are identified.



11. The facility ensures that any materials removed as referenced in No. 10 above, are disposed of or recycled in accordance with applicable local, state and federal laws.

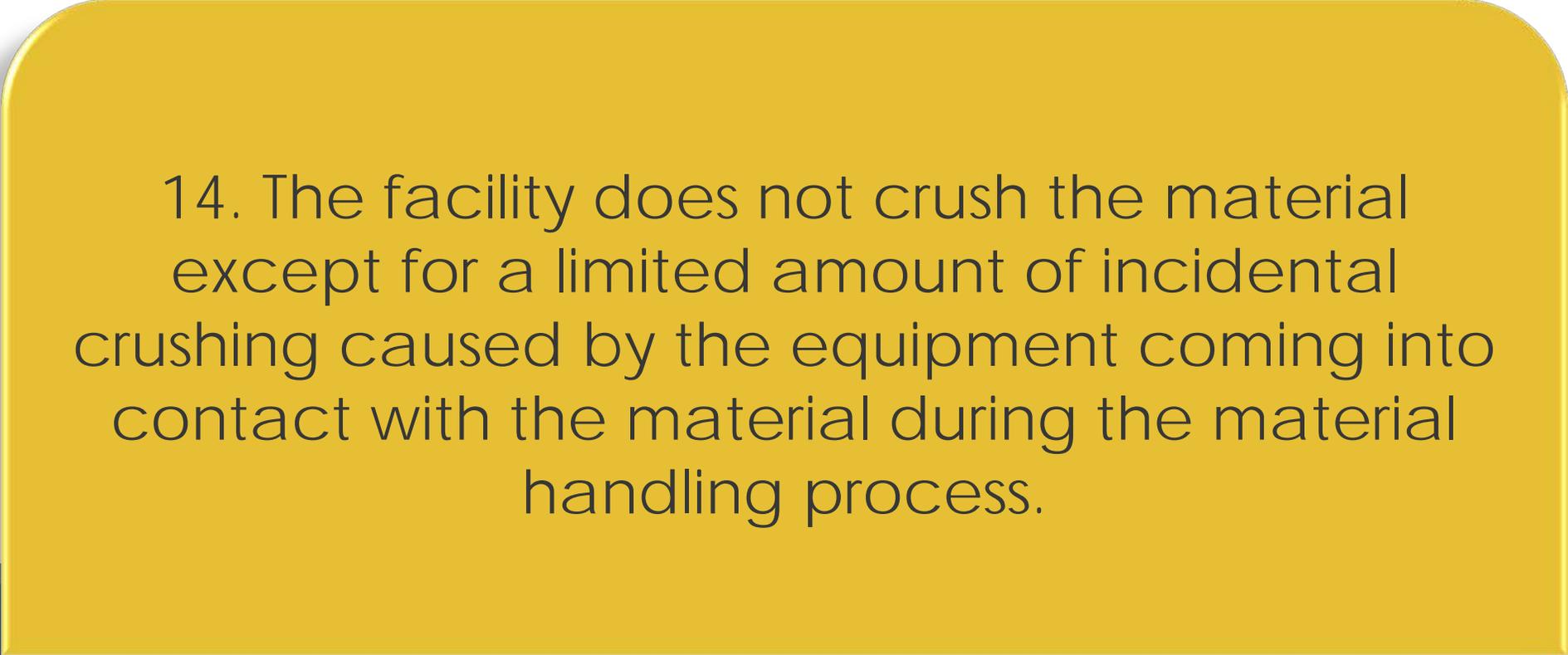


12. The facility prohibits the acceptance of pulverized debris as defined in ORC §3714.01 (e.g. material which has been shredded, crushed, ground, or otherwise rendered to such an extent that the material is not identifiable as construction and demolition debris).



13. Material is not shredded or ground due to recycling/separation activities at the facility.



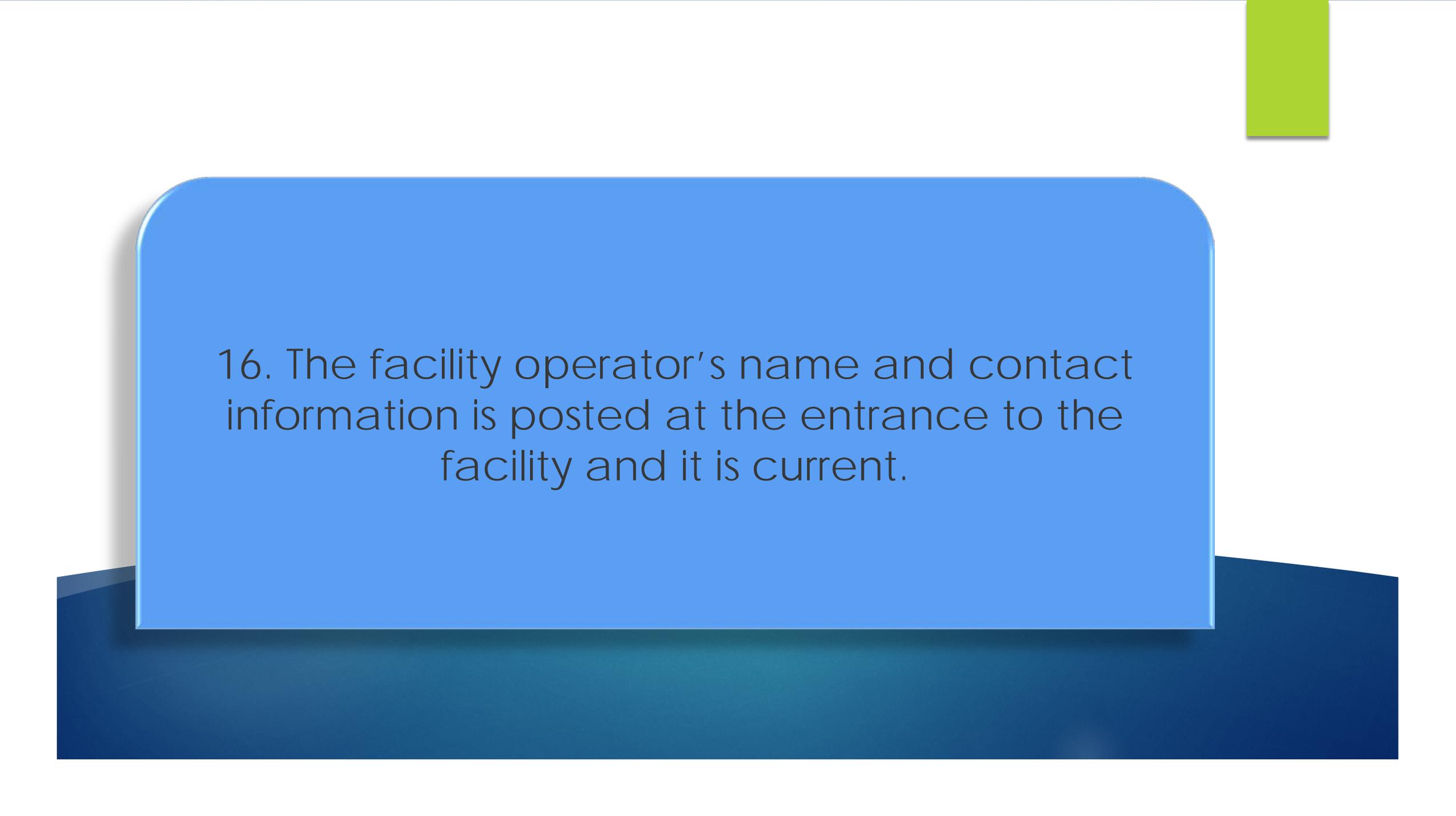
A yellow rounded rectangle with a slight shadow, containing text. It is positioned in the center of the slide.A solid green vertical bar located in the top right corner of the slide.A dark blue horizontal bar at the bottom of the slide, with a slight upward curve on the right side.

14. The facility does not crush the material except for a limited amount of incidental crushing caused by the equipment coming into contact with the material during the material handling process.

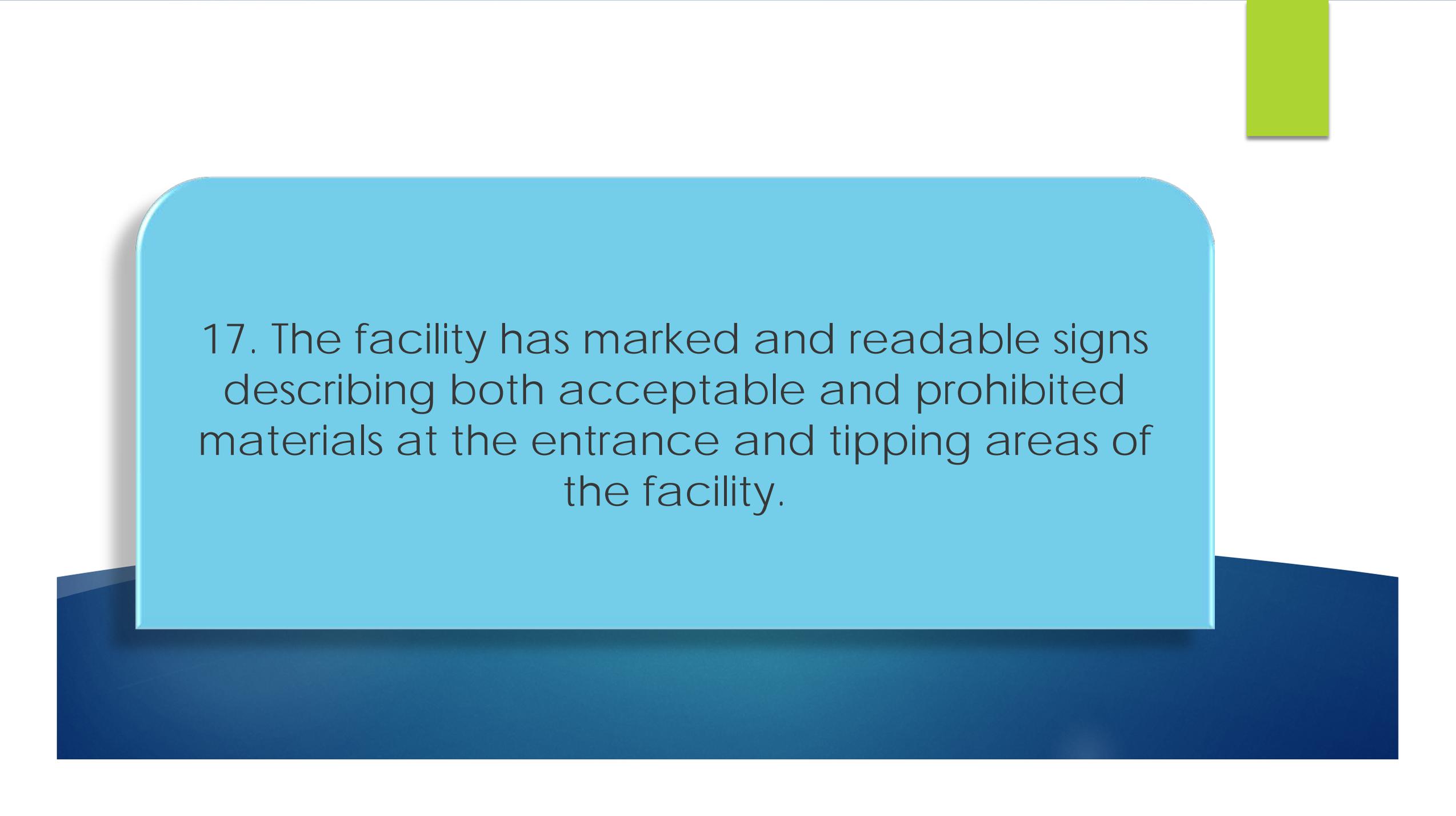


15. The facility has procedures and training in place to limit any incidental crushing of material caused by the equipment coming into contact with the material during the material handling process.





16. The facility operator's name and contact information is posted at the entrance to the facility and it is current.



17. The facility has marked and readable signs describing both acceptable and prohibited materials at the entrance and tipping areas of the facility.

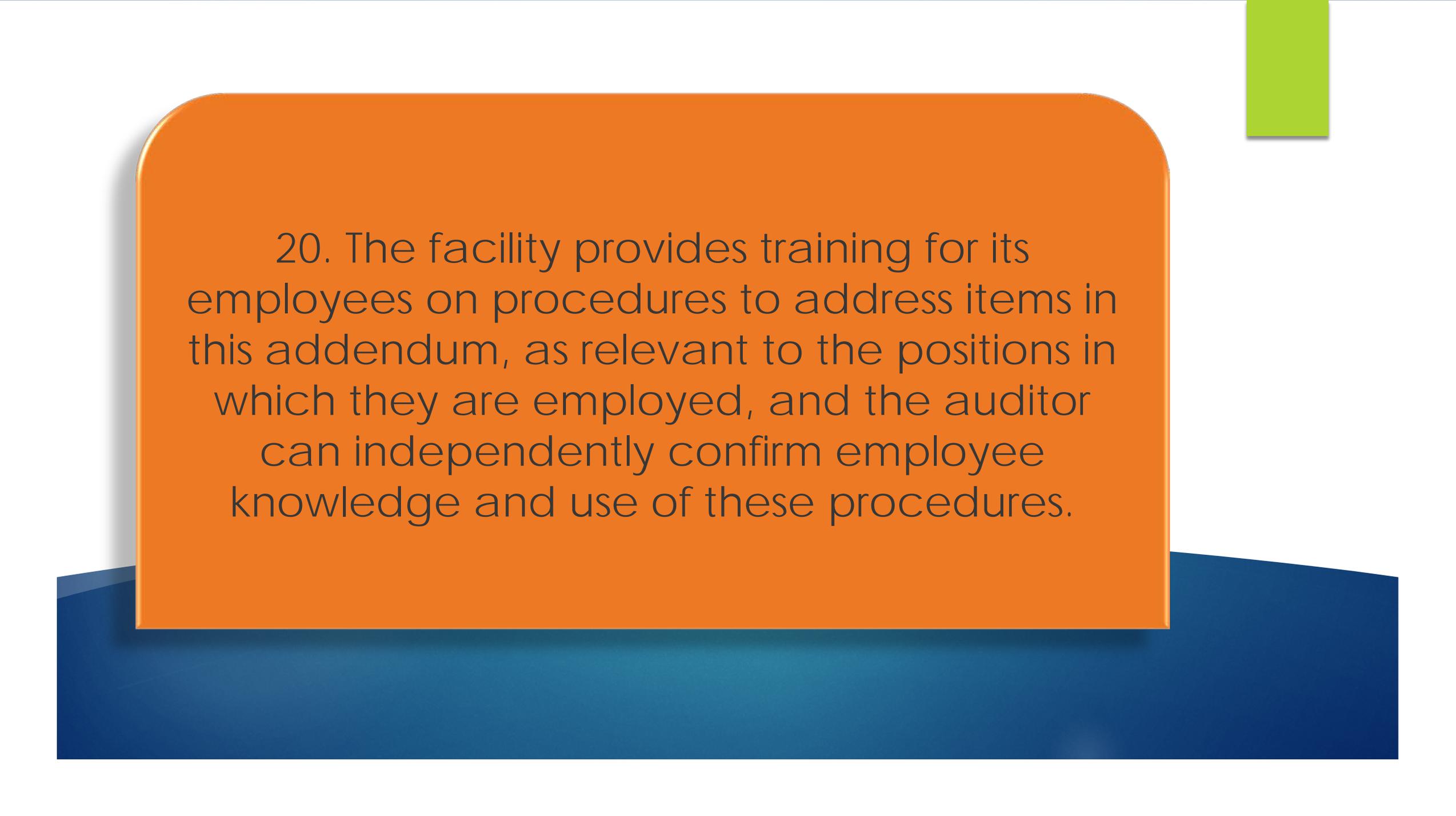


18. The facility provides safety training for its employees.





19. The facility restricts access
to the site.



20. The facility provides training for its employees on procedures to address items in this addendum, as relevant to the positions in which they are employed, and the auditor can independently confirm employee knowledge and use of these procedures.

Certification of Transferred Materials

OEPA Solution Part Two
Conclusion

- THIS CERTIFICATION USES THE RCI ADDENDUM TO VERIFY FACTS PRESENTED BY A RECYCLING FACILITY.
- A CERTIFICATION FORM IS PROVIDED BY THE OEPA AND SIGNED BY A FACILITY.

OEPA Provided Certification Form

“Certification that Transferred Material is not Ineligible Under Ohio Revised Code 3714.082”

Includes all of the same statements from the Ohio Addendum

Must meet 40% recycling rate

Certifies the answers remain correct in the Ohio Addendum

Includes a certification Statement

Must be sent monthly to:

Disposal Facility

OEPA

Applicable Board of Health for the Disposal Facility receiving the material

The Addendum will be included within the Evaluation Report on the RCI website. It will be publicly available information.



RECYCLING CERTIFICATION INSTITUTE

For Friendly, Expert advice call
1-916-242-8287

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Certified Facilities



The recycling firms in this list have been evaluated by third-party evaluators and are certified as reporting accurate, transparent, and reliable recovery, use and recycling rates according to the protocols and standards of the Recycling Certification Institute.

Qualified LEED projects that deliver their C&D materials to these facilities can apply for an

additional LEED Pilot Credit point. RCI's CORR Protocol meets the requirements of this Pilot Credit.

RCI Certified Facilities/Lines

A - B - C - D - E - F - G - H - I - J - K - L - M - N - O - P - Q - R - S - T - U - V - W - X - Y - Z

View By State

FACILITY NAME		CONTACT INFORMATION			
Broad Run Recycling 9220 Developers Drive Manassas, VA 20109 www.Broadrunrecycling.com		Kevin Herb 571-292-5333 KHerb1956@aol.com			
PROCESS/LINE	REVIEWED BY	12 MO REC RATE AVG W/ADC	12 MO REC RATE AVG W/ADC	REPORTS	
Mixed C&D Recycling	Stephen Bantillo	10/01/2014	98.46%	98.46%	View Report Evaluation Report

Latest News

MARK YOUR CALENDARS: MARCH 26, 2015 — OHIO RECYCLING FACILITY CERTIFICATION TRAINING

Posted on March 18, 2015

Hosted by the Construction and Demolition Association of Ohio (CDAO) and the Recycling Certification Institute (RCI), this one-day training is for recyclers and for potential evaluators in the RCI program. CDAO and RCI, in conjunction with the Ohio EPA, have developed a training program with criteria specifically for use in Ohio related to the disposal. [...Read More](#)

RCI's Executive Director to appear on TalkWithGreenGuy.com November 4th

Posted on November 4, 2014

Tune in tonight, Ted Roan, Green Director of YouthBuild talks about how they take "at risks" 16-24, help them get their GED's while they work full time building affordable energy efficient homes "greening" communities across the country. Then, Executive Director, Stephen Bantillo, of the Recycling Certification Institute takes us inside the world of C&D (construction ... [Read More](#)