

STANDARD OPERATING PROCEDURE

Pipeline

SOP No: 012-PL

**SOP Title: Blasting/Coating Steel
Pipe**

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	NAME	TITLE	SIGNATURE	DATE
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1. PURPOSE

- This procedure is a guideline on the proper way to blast and coat steel pipe along the right-of-way. Employees at BBGCI will use this as a guide to help them perform their duty in a safe and productive manner.
- BBGCI will be in compliance with all government regulations as well as the regulations set forth by our clients.

2. INTRODUCTION

- BBGCI understands that all jobs are different. This SOP is set in place as a guideline to help employees understand the proper procedure to follow while blasting and coating steel pipe along the right-of-way.

3. SCOPE

- This procedure has been set in place for the blasting operator, support personnel, and coating personnel who will be performing blasting/coating operations. .

4. DEFINITIONS

- Blasting- is the operation of forcibly propelling a stream of abrasive materials against a surface under high pressure to smooth a rough surface.
- Coating- Material applied to steel pipe to help eliminate the process of corrosion.
- Buffer Zone- The area where operation occurs, that is deemed not safe for unauthorized personnel or equipment.
- Non-Silica Abrasive Blasting Mineral- a safe material used to remove paint , rust, and scale from steel pipe
- Blasting Hood- A hood that supplies Grade D breathable air that the Blasting Operator will use to help protect him/her from flying particles and dust.

5. RESPONSIBILITIES

Blasting Operator

1. Participate in tailgate meeting and JSEA.
2. Understand the scope of work and the hazards involved in his/her specific job duty.
3. Maintain good communication with co-worker throughout the blasting process.
4. Inspect all blasting equipment.
5. Inspect breathing equipment.
6. Utilize proper blasting techniques.
7. Properly maintain and store all blasting and breathing equipment.

Support Personnel for Blasting Operations

1. Participate in tailgate meeting and JSEA.

2. Understand the scope of work and the hazards involved in his/her specific job duty.
3. Maintain good communication with the Blasting Operator throughout the blasting process.
4. Ensure that the buffer zone is free of any unauthorized equipment or personnel at all times.
5. Monitor the blasting equipment throughout the job process.

Coating Personnel

1. Participate in tailgate meeting and JSEA.
2. Understand the scope of work and the hazards involved in his/her specific job duty.
3. Review and understand the SDS before beginning operation.
4. Commence work and maintain safe operations.

6. SPECIFIC PROCEDURE

Blasting Steel Pipe on Pipeline

(Personnel Involved- Blasting Operator and Supporting Personnel)

1. Before work can commence, properly complete all JSEA's, work permits, safety tailgate meetings, and equipment inspections.
2. Equipment inspections will be completed by qualified personnel.
3. Establish the scope of work, and ensure everyone knows their specific job duty.
4. Employees will ensure the buffer zone is clear of any unauthorized personnel and equipment before work can commence.
5. Once the Blasting Operator has Grade D air flowing through the blasting hood, he/she will begin the blasting process using safe blasting techniques.

NOTE: Once the Blasting Operator blasts the designated section, the support personnel will relocate the equipment trailer to the new designated location.

Coating Steel Pipe on Pipeline

(Personnel Involved- Coating Personnel)

1. Before work can commence, properly complete all JSEA's, work permits, safety tailgate meetings, and equipment inspections.
2. Establish the scope of work, and ensure everyone knows their specific job duty.
3. Study and understand the SDS sheet before work will commence.
4. Wear proper PPE according to the SDS sheets.
5. Mix coating parts (if required).
6. Apply coating to desired specification in a safe and productive manner.

7. Disposal of coating and coating material shall be conducted in an environmentally friendly way.

7. JOB RELATED HAZARDS

Slips, Trips, and Fall Hazards:

- Inspecting equipment
- Climbing on and off trailer.
- Walking near open holes/trenches
- Walking on uneven surfaces or rocks
- Working around air lines and hoses
- Climbing over pipe

Pinch Points and Line of Fire Hazards:

- Moving Equipment
- Walking in unauthorized work areas/buffer zone
- Contact with sandblasting agent

Chemical Hazards:

- Coating material coming into contact with skin

Inhalation Hazards:

- Sandblasting material
- Carbon Monoxide (*NOTE: All blasting hoods will be equipped with a carbon monoxide monitor*)

8. REQUIRED PPE

- Hard Hats
- Safety Glasses
- Steel Toe Boots
- Fire Resistant Clothing (FRC's)
- Elbow Gloves (Blasting)
- Latex Gloves (Coating)
- Hearing Protection (if required)
- Blasting Hood
- Carbon Monoxide Monitor

- Personal Gas Monitors (Site Specific)

9. FORMS/TEMPLATES TO BE USED

- JSEA
- Work Permits (If Required)
- Client Required Forms

10. INTERNAL AND EXTERNAL REFERENCES

10.1 Internal References

11. CHANGE HISTORY