

# STANDARD OPERATING PROCEDURE HAND AND HORN SIGNALS

Effective Date: 12/04/2009

Document Number: MNSOP103-0001

Rev:02

## PURPOSE

To ensure those personnel working with equipment or doing a task that requires hand or horn signals have a good understanding of the appropriate type and use of those signals.

## SCOPE

This SOP applies to Kennecott Utah Copper – Bingham Canyon Mine employees who have completed Hand and Horn signal training, have demonstrated their competency to safely inspect and operate the buses and have obtained the appropriate MSHA 5000-23 certificate.

## RESPONSIBILITY

Communicating with the equipment operator either by hand or horn signals is one of the most important jobs. Since the signal person is in a sense operating the equipment. Qualified signal persons must have a basic understanding of equipment operation and limitations and a thorough understanding of standard hand and horn signals.

## HEALTH AND SAFETY

Proper PPE

- Hard Hat
- Safety Glasses
- Gloves
- Steel toe boots
- Orange Vest if on ground giving signals
- Flashlight for night time signals

## ENVIRONMENTAL

N/A

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## DEFINITIONS

TRACK –

**T**hink through the Task**R**ecognize the Hazards**A**ssess the Risks**C**ontrol the Hazards**K**eep Safety First in all Tasks

PPE Personal Protection Equipment

SOP Standard Operating Procedure

## REFERENCES

## PROCESS

Rules regarding signals for movement of trucks and mobile equipment:

- When given a light or hand signal that is not clearly understood, **STOP** until the signal is understood.
- A stop signal must be obeyed regardless of who gives it.
- Use horn for signaling and warning purposes only.
- The individual giving the signals is responsible for the movement of the equipment.

### Shovel Whistle Signals

1. 1 short- Truck stop
2. 2 short- pull out re-spot
3. 1 long- Truck loaded
4. 4 (or more) short- Emergency

### Truck Horn Signals

1. 1 long- Wait ten seconds then start struck
2. 2 short- Truck is going to move forward

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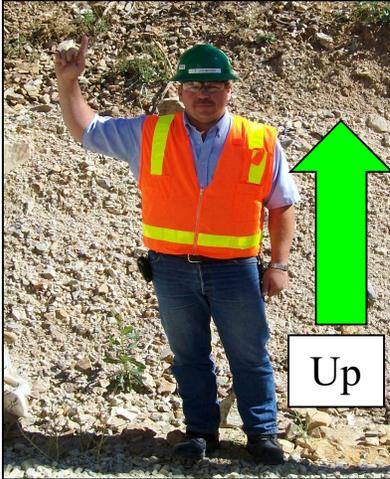
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3. 3 short- Truck is going to back up

4. 4(or more) short- Emergency

## Operational Hand Signals



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← Left



Right →



Forward



Backup

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Stop



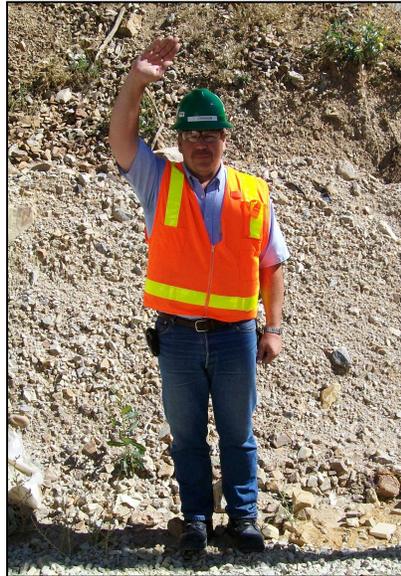
Shut Down

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## OK Sound Horn Signals

Operational Light Signals

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**LIGHT SIGNAL ONLY**

**MOVE AWAY FROM ME** (Toward back of machine). Swing light in a vertical circle at right angles to direction of travel.

**LIGHT SIGNAL ONLY**

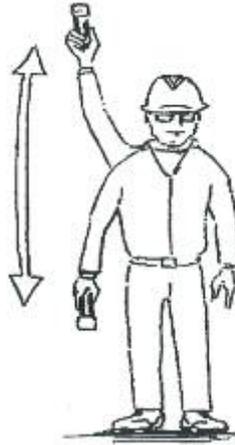
**STOP-** Swing light horizontally or in a wide vertical arc at right angles to direction of travel.

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### LIGHT SIGNAL ONLY

**COME TOWARD ME** (Toward front of machine). Raise and lower light vertically.

### Special Signals

Special signals may be used for operations of crane attachments which are not covered by standard signals. Modifications of standard voice or hand signals must be agreed upon in advance by the person directing lifting operations, the crane operator and the signal person. These special signals must not conflict with standard signals.

### REVISION/REVIEW HISTORY:

| MOC#   | Description of Change   | Prepared By                  | Date     |
|--------|---|------------------------------|----------|
| 10528  | New SOP   | Mike Washburn & Tony Johnson | 10/01/09 |
| 11060  | Rev. Change to correct hand signals.  | Washburn                     | 12/04/09 |
| NO MOC | Adding review schedule, no MOC needed. <b>Next review date is 11-2019</b> . Correct format upon revision. | Shawn Bateman & Lisa Jansson | 1/9/2014 |