# Abrasive (Grit) Blasting

| WHEN TO COMPLETE – Before the start of any Abrasive (Grit) Blasting activities | | | |
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| Confirm each control / safeguard below before starting work | Guidance for confirming each control / safeguard | Person(s) Performing Work | Start-Work Verifier |
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| **I HAVE CONFIRMED:** | | | |
| **1** Abrasive blasting material to be used does not contain more than 1 percent crystalline silica | • Check the latest edition of the abrasive blasting material safety data sheet for the crystalline silica characteristic of the material. | | |
| **2** The atmosphere in the area and near the equipment being blasted is within allowed limits. | • Confirm Qualified Gas Tester has performed atmospheric testing (at area where abrasive blasting will occur and at nearby flanges, drains, and vents) and verify results are within acceptable limits. | | |
| **3** Equipment that are capable of being damaged by the blasting operation have been identified and protected. | • Provide protective covering for valves, sight glasses, name tags, machinery, electrical fixtures, stainless steel electrical control panels, etc. that are capable of being damaged.<br>• Provide protection for air inlets to machineries, deck penetrations and drains to prevent plugging. | | |
| **4** Equipment operator and work crew are trained and qualified to perform the abrasive blasting activity | • Verify the equipment operator and the work crew are trained to perform the activity. | | |
| **5** Personnel using respirators (including hood) are trained and certified fit for its use. | • Confirm that personnel using respirator (including hood) have been trained and certified fit for its use. | | |
| **6** Required Personal Protective Equipment (PPE) is available for use at the work site. | • Check the safety data sheets for details on required PPE including respiratory protection (NIOSH approved), eye & face protection with side shields, safety boots, etc. | | |

**Start-Work Check**

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| 7 | Blasting equipment safety devices are in place and working. | • Carry out pre-use inspection and review manufacturer's recommendation for safety equipment (e.g., dead-man switches - trigger or foot pedal, bonding / grounding, whip checks are in place for hoses and connections except for threaded connections which should be rated to 1.5 times of MAWP, etc.). <br>• Confirm that dead-man switch, emergency-stop and depressurization controls are working as designed. <br>• For blasting at higher levels, check that facility / scaffold handrails and guard rails are in good condition. | | |
| 8 | Harmful gases (e.g., nitrogen) are not supplied to the breathing air filter. | • Check that the compressor air filter inspection tag is valid. <br>• Verify that only compressed air from Air compressor is supplied to the air filter. <br>• Verify the air filter camber is drained of any entrapped water mist or oil. | | |
| 9 | Access to the blasting area is restricted / controlled. | • Barricade the work area to restrict /control access (i.e., exclusion zone). <br>• Use barriers/ curtain walls/ tarps to prevent escape of dust into the environment, where applicable | | |

**Confirm these controls / safeguards are in place and verified prior to starting work. Stop and seek help if anything changes.**

| | Printed Name & Role | Signature | Date |
|---|---|---|---|
| Start Work Verifier | | | |

[INSERT ILLUSTRATION – IF APPLICABLE]