R307-206-1. Definitions.
(1) The following additional definitions apply to R307-206:

"Abrasive Blasting" means the operation of cleaning or preparing a surface by forcibly propelling a stream of abrasive material against the surface.

"Abrasive Blasting Equipment" means any equipment utilized in abrasive blasting operations.

“Abrasives” means any material used in abrasive blasting operations including but not limited to sand, slag, steel shot, garnet or walnut shells.

"Confined Blasting" means any abrasive blasting conducted in an enclosure which significantly restricts air contaminants from being emitted to the ambient atmosphere, including but not limited to shrouds, tanks, drydocks, buildings and structures.

“Hydroblasting” means any abrasive blasting using high pressure liquid as the propelling force.

"Multiple Nozzles" means a group of two or more nozzles being used for abrasive cleaning of the same surface in such close proximity that their separate plumes are indistinguishable.

"Unconfined Blasting" means any abrasive blasting which is not confined blasting as defined above.

“Wet Abrasive Blasting” means any abrasive blasting using compressed air as the propelling force and sufficient water to minimize the plume.

R307-206-2. Visible Emission Standards.
(1) No person shall, if he complies with performance standards outlined in R307-206-4 or if he is not located in an area of nonattainment for particulates, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is a shade or density darker than 40% opacity.

(2) No person shall, if he is not complying with an applicable performance standard in R307-206-4 and is in an area of nonattainment, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is of a shade or density no darker than 20% opacity.

R307-206-3. Visible Emission Evaluation Techniques.
Visible emission evaluation of abrasive blasting operations shall be conducted in accordance with the following provisions:

(1) Emissions from unconfined blasting shall be read at the densest point of the emission after a major portion of the spent abrasive has fallen out, at a point not less than five feet nor more than twenty-five feet from the impact surface from any single abrasive blasting nozzle.

(2) Emissions from unconfined blasting employing multiple nozzles shall be judged as a single source unless it can be demonstrated by the owner or operator that each nozzle, evaluated separately, meets the emission and performance standards provided for in R307-206-2 through 4.

(3) Emissions from confined blasting shall be read at the densest point after the air contaminant leaves the enclosure.

R307-206-4. Performance Standards.
(1) To satisfy the requirements of R307-206-2, any abrasive blasting operation may use at least one of the following performance standards:

(a) Confined blasting;

(b) Wet abrasive blasting;

(c) Hydroblasting; or

(d) Unconfined blasting using abrasives as defined in (2) below.

(2) Abrasives.

(a) Abrasives used for dry unconfined blasting referenced in (1) above shall comply with the following performance standards:

(i) Before blasting the abrasive shall not contain more than 1% by weight material passing a #70 U.S. Standard sieve.

(ii) After blasting the abrasive shall not contain more than 1.8% by weight material 5 micron or smaller.

(b) Abrasives reused for dry unconfined blasting are exempt from (a)(ii) above, but must conform with (a)(i) above.

(3) Abrasive Certification. Sources using the performance standard of (1)(d) above to meet the requirements of R307-206-2 must demonstrate they have obtained abrasives from persons which have certified (submitted test results) to the executive secretary at least annually that such abrasives meet the requirements of (2) above.

R307-206-5. Emissions Standards.
Other provisions of R307 may require more stringent controls than listed herein, in which case those requirements must be met.