

General information

Public comment period begins: February 3, 2018

Public comment period ends: 4:30 p.m. on March 5, 2018

Current permit issued: August 2, 2016

Current permit expiration date: August 2, 2021

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| Name and address of Permittee: Spectro Alloys Corp 13220 Doyle Path E Rosemount, Minnesota 55068-2510 | Facility name and location: Spectro Alloys Corp 13220 Doyle Path E Rosemount, Minnesota 55068-2510 Dakota County T115N, R18W, Section 019 | MPCA contact person: Benjamin Carlson-Stehlin Industrial Division Minnesota Pollution Control Agency 520 Lafayette Rd. Saint Paul, Minnesota 55155 Phone: 651-757-2682 Email: benjamin.carlson-stehlin@state.mn.us File manager phone: 651-757-2728 or 1-844-828-0942 |
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A draft permit is available for review on the MPCA Public Notices webpage at <http://www.pca.state.mn.us/publicnotices> or at the MPCA office address listed under the MPCA contact person. The MPCA will mail or email a copy of the draft permit upon request. Comments, petitions, and other requests must be received at the MPCA in writing on or before the public comment period end date and time identified above.

Description of Major Amendment

The permit action is for modification and operation of the facility. The permit action is a major amendment; therefore, the draft permit has been placed on public notice.

Permit Number 03700066-102 authorizes Spectro to install Furnace 4 (EQUI 57) and Furnace 5 (EQUI 58) as well as a new baghouse for Furnace 4 (TREA 13). Furnace 4 will operate as a batch process. The furnace emissions will be controlled by a dedicated baghouse (TREA 13) ducted to an enclosure around the furnace.

Furnace 5, a round top furnace, will operate as a semi-continuous process. It will initially operate Alternative Operation Scenario 1 (AOS 1) as an uncontrolled furnace, using only clean charge metal, but will have the option to operate as a controlled furnace (AOS 2). When operating uncontrolled, the furnace 5 will be hooded and vented to the atmosphere by an exhaust stack extending through the roof of the building. When operating controlled, the unit will be hooded and exhaust ducts will merge with the Furnace 1 exhaust duct, so that emissions will be controlled by the Furnace 1 baghouse.

In addition to the two new furnaces, the project includes construction of the following insignificant activities: lime handling, solid flux handling and storage, salt cake handling, a natural gas torch heater and dross storage.

As part of the project, the permit requires that the following units be removed from the facility: Furnace 1 Scrap Dryer (EQUI 39) and its associated controls, Scrap Dryer 1 Afterburner (TREA 7), Scrap Dryer 1 Fabric Filter (TREA 11).

A summary of the Potential to Emit (PTE)/Emissions Increase in tons per year is as follows:

| Pollutant | PM | PM ₁₀ | PM _{2.5} | SO ₂ | NO _x | VOCs | CO | CO _{2e} | Lead |
|--|------|------------------|-------------------|-----------------|-----------------|-------|------|------------------|-------|
| Total Facility PTE | 89.2 | 87.7 | 87.0 | 2.94 | 51.3 | 84.2 | 26.2 | 42019 | 0.412 |
| Emissions Increase from new emission units | 0.0 | 0.0 | 0.0 | 0.06 | 10.09 | 18.08 | 8.48 | 12,044 | 0.02 |

PM = Particulate Matter

PM_{2.5} = PM, 2.5 microns and smaller

NO_x = Nitrogen Oxides

CO = Carbon Monoxide

PM₁₀ = PM, 10 microns and smaller

SO₂ = Sulfur Dioxide

VOCs = Volatile Organic Compounds

CO_{2e} = Carbon Dioxide Equivalents as defined in Minn. R. 7007.0100

The Permittee is not required to submit a pollution prevention progress report pursuant to Minn. Stat. § 115D.08.

The preliminary determination to modify this Air Permit is tentative.

Procedure for public participation

As stated in Minn. R. chs. 7000 and 7001, there are three formal procedures for public participation in the MPCA's consideration of this matter. Interested persons may:

- (1) Submit written comments on the draft permit.
- (2) Petition the MPCA to hold a public informational meeting.
- (3) Petition the MPCA to hold a contested case hearing.

Submitting written comments

To submit comments or petitions to the MPCA through the mail or email, you must state:

- (1) Your interest in the permit application or the draft permit.
- (2) The action you wish the MPCA to take, including specific references to the section of the draft permit you believe should be changed.
- (3) The reasons supporting your position, stated with sufficient specificity as to allow the MPCA to investigate the merits of the position.

Public informational meeting

A public informational meeting is an informal meeting during which interested persons can ask questions concerning the proposed facility. MPCA staff will be present to provide information. If an interested person would like the MPCA to hold a public informational meeting, the person should include all information identified above and in addition include a statement of the reasons the person desires the MPCA to hold a public informational meeting and the issues that the person would like the agency to address at the public informational meeting.

Contested Case Hearing

A contested case hearing is a formal proceeding before an administrative law judge empowered to advise the MPCA regarding issues of fact. As described in Minn. R. 7000.1800, persons who submit petitions for a contested case hearing must also state the issues they propose to address in a contested case hearing, the specific relief requested or resolution of the matter, and the reasons (which may be in the form of proposed findings) supporting an MPCA decision to hold a contested case hearing. Failure to comply with these rules exactly may result in a denial of the request. To the extent known, the petitioner may also submit a list of prospective witnesses to be called at a hearing, a proposed list of publications, references, or studies to be introduced at a hearing and the approximate time required for the petitioner to present the matter at a hearing. The decision whether to hold a contested case hearing will be made under Minn. R. 7000.1900.