



San Diego County
**Air Pollution
Control District**

May 25, 2023

Lydia Pellecer
Environmental Manager
BAE Systems Ship Repair

2205 East Belt Street

San Diego, CA 92113

Dear Ms. Pellecer,

Thank you for your May 11, 2023, letter and attachment regarding the Risk Reduction Plan for years 1 through 3 at BAE Systems located at 2205 East Belt Street, San Diego, California 92113. The San Diego County Air Pollution Control District (District) appreciates BAE Systems' commitment to finalize the Risk Reduction Plan and to reduce the health risk from your operations below the District's Rule 1210 significant thresholds.

After careful review and consideration of the information submitted by BAE Systems, the District has prepared the attached draft permit to implement BAE Systems' proposed Risk Reduction Plan.

The May 11th letter indicates BAE Systems believes that there are no requirements under AB2588 or Rule 1210 to make the Risk Reduction Plan enforceable via a permit to operate. Please note that District Rule 1210 specifically requires that risk reduction measures be enforceable through District permits or permit conditions. Specifically, Rule 1210(e)(2) requires that, *"The risk reduction audit and plan submitted by the owner or operator shall be accompanied by appropriate application(s) to implement the plan and contain all of the following... (iv) A schedule for implementing the proposed **airborne toxic risk reduction measures** within five years."* Furthermore, Rule 1210(c)(1) defines an airborne toxic risk reduction measure as, *"physical or operational changes or control measures implemented at a stationary source that reduce or eliminate toxic air contaminant emissions and associated health risks, whose reductions are real, permanent, quantifiable, and **enforceable through District permits or permit conditions.**"*

We would appreciate your comments on the attached proposed conditions by June 8, 2023. Our team is also available to meet with you to discuss the draft permit. The District appreciates BAE System's commitment and shares the same commitment to finalize the Risk Reduction Plan expeditiously and would like to resolve any remaining issues prior to the public meeting scheduled for June 20, 2023. Please feel free to contact me if you have any questions or to schedule a meeting to discuss the draft permit.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mohsen Nazemi', with a large, stylized flourish at the end.

Mohsen Nazemi, M.S., P.E.
Chief, Engineering Division

Email: Mohsen.nazemi@sdapcd.org

Cell Phone: (858)922-1182

Equipment Description

May operate ship building and repair facility consisting of:

1. Marine coating operations to apply coatings on ships and related structures intended for exposure to a marine environment at BAE Systems San Diego Ship Repair's facility including: 3 piers up to 700 feet in length, one 22,000-ton floating dry dock, one 55,000-ton floating dry dock, various open paint areas and temporary structures of various sizes.
2. Equipment required when spray applying any coatings that contain Cr, Pb, Mn, Ni, Cd, As, or Be: either a structure with a full roof and at least three complete walls or complete side curtains or a mobile ventilated structure as defined in this permit to operate. These structures shall be equipped with high efficiency filters in compliance with this permit and shall ensure that air is drawn into the structure when in use.
3. Welding operations consisting of Mechanically Attached Fittings (MAF) and hot work permit processes including but not limited to GMAW, SMAW, FCAW, Brazing, GTAW, and SAW.

Conditions

1. The owner or operator shall use Mechanically Attached Fitting (MAF) technology on all piping systems that are approved by Southwest Regional Maintenance Center (SWRMC). (Rule 1210)
2. The owner or operator shall maintain records of when the Mechanically Attached Fitting (MAF) technology is utilized. On a calendar year basis, the owner or operator shall determine the percentage of welding operations replaced with MAF technology using summed daily hot welding usages and weekly MAF application records included in that period. (Rule 1210)
3. By June of 2025 or sooner, the owner or operator shall demonstrate that at least 20% of all welding operations are replaced with the use of MAF technology on an ongoing basis. Alternatively, the owner or operator shall submit a revised Risk Reduction and Audit Plan in accordance with Rule 1210(e)(10). The revised risk reduction audit and plan shall include the following:
 - a. A justification for not utilizing the MAF technology for at least 20% of the welding operations.
 - b. A Health Risk Assessment, as defined by Rule 1210, to quantify the Acute Health Hazard Index, as defined by Rule 1210. The health risk assessment shall also include any foreseeable new or increased emissions of toxic air contaminants and the Acute Health Hazard Index resulting from such new or increased emissions during the period approved for implementation of the risk reduction audit and plan.
 - c. A proposal specifically showing how the Acute Health Hazard Index will be below 1 within 5 years from the date this authorization is issued.

4. The owner or operator will implement the following measures to minimize hourly emissions from welding operations:
 - a. Limit BAE welders checking out weld rods and spools to 10 weld rods or 1 spool of any type of welding consumable at a time, unless specific justification for a greater need is approved by the District in writing.
 - b. Require BAE welders to return unused weld rods and partially used spools to the tool room daily.
 - c. Require subcontractors and AITs to provide daily usage records and follow the same limitations of 10 weld rods or 1 spool per person. Rule 1210 (e)(1).
5. The owner or operator shall comply will all applicable provisions of Rule 1210.
6. The permittee shall maintain records for the stationary source for the purposes of complying with the approved RRAP and Rule 1210. The records shall include the following information (Rule 1210):
 - a. Daily usage records of all welding consumables, including waste/leftover spools if waste will be deducted from usage in emission calculations;
 - b. Type of welding process used per material and location(s);
 - c. Duration of each type of welding and time(s) of day;
 - d. Current manufacturer specification sheets, material safety data sheets (MSDS), product data sheets, or technical bulletins for all materials in use, which shall list all components within each welding material and shall include content weight or weight percentage of toxic air contaminant (TAC) contained in each material;
 - e. Weekly record of Mechanically Attached Fitting (MAF) usage;
 - f. Navy Standard Items certifications obtained for MAF technology; and
 - g. Records of checkout process demonstrating that operators were limited to 10 rods or 1 spool per person.
7. At no time shall the subject equipment cause or contribute to a nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the applicant will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment, the applicant shall apply for and obtain an Authority to Construct for all such modifications. (Rule 51)
8. All required records for this operation shall be maintained on-site for at least five (5) years and shall be made available to the District upon request.
9. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District.
10. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
11. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)