MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

PERMIT TO OPERATE

T013730

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: SEPTEMBER 2027

OWNER OF OPERATOR (Co.#133)

NASA/Goldstone
93 Goldstone Rd.
Fort Irwin, CA 92310

EQUIPMENT LOCATION (Fac.#611)

NASA/Goldstone Deep Space Communications Complex
Goldstone Lake
Fort Irwin, CA 92311

Description:
PARTS WASHER (Administrative #006) consisting of: An aqueous dual basin parts washer, manufactured by Westward, Model No. 35MT16, Serial No. TBD with manual spray nozzles powered by a pump rated at 316 gallons per hour.

EQUIPMENT

Capacity	Equipment Description
40	40 gallon solvent capacity. Tank dimensions are 43 inches L x 20 5/8 inches W x 10-1/4 inches D.

CONDITIONS:

1. This equipment shall be operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1104(C)(4)(a)(i)]

Fee Schedule: 5 (a) | Rating: 40 gallons | SIC: 9661 | SCC: 2415025000 | Location/UTM(Km): 517E/3906N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

NASA/Goldstone
93 Goldstone Rd.
Fort Irwin, CA 92310

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

2. The owner/operator shall not use any solvent in this equipment that:
a. Contains a VOC content that exceeds 25 grams per liter; or,
b. Contains a VOC composite vapor pressure that exceeds 8 millimeters of mercury at 20 degrees Celsius.
[District Rule 1104(C)(1)]

Note: the use of Grainger, Krud Kutter Solvent (product item numbers 19MP77, 19MP78, 19MP79) demonstrates compliance with this condition as specified in SDS indicating 21.56 grams per liter.

3. The owner/operator shall only use the solvent manufactured by Grainger, commonly named Krud Kutter (product item numbers 19MP77, 19MP78, 19MP79), in this equipment. The owner/operator must have the Safety Data Sheet and purchase records for this solvent readily available to federal, state, and District personnel upon request to verify compliance with this condition and condition 2. The District must be notified prior to switching solvent product to ensure that additional permitting requirements are not triggered.
[District Regulation XIII, basis: NSR for TAC]

4. This equipment shall be equipped with an apparatus, or cover, which reduces solvent evaporation when not in use.
[District Rule 1104(C)(3)(f)(i)]

5. The owner/operator shall post a permanent, conspicuous label or written documentation (posting this permit near equipment will suffice), summarizing the applicable operating requirements listed below:
a. This equipment shall not be operated with any detectable leaks;
b. All solvent, including waste solvent, waste solvent residues, used solvent applicators shall be stored in closed containers at all times;
c. All containers of solvent shall have a label indicating the name of the solvent they contain;
d. Waste solvent and any solvent residue shall be disposed of by one of the following methods:
(i) a commercial Waste Solvent reclamation service licensed by the State of California; or,
(ii) a federally or state licensed Facility to treat, store or dispose of such Waste; or,
(iii) recycle the Waste Solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
e. This equipment must be covered to prevent fugitive leaks of vapors, except when processing work or to preform maintenance of the equipment.
f. Solvent carry-out must be minimized by the following methods:
(i) Rack the parts being cleaned in a manner that promotes complete drainage of solvent.
(ii) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 feet per minute) or less when a hoist is used.
(iii) Retain the parts being cleaned inside of the vapor zone until condensation ceases.
(iv) Tip out any pools of solvent remaining on the cleaned parts before removing them from the equipment are operated manually.
(v) Do not remove parts from the equipment until the parts are visually dry and not dripping/leaking solvent.
g. The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
h. All solvent agitation shall be by either pump recirculation, a mixer, or Ultrasonics.
i. The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless,
the spray is conducted in a totally enclosed space, separated from the environment.
j. If unit is equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
k. Wipe Cleaning materials, including shop towels, containing solvent shall be kept in closed containers at all times, except during use.
l. Cleaning operations shall be located so as to minimize air circulation and drafts being directed across the equipment, the exposed solvent surface, or the top surface of the vapor blanket.
m. A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the parts washer or
container.
[District Rule 1104(C)(4)]

6. Facility-wide (includes facility nos. 611 and 4402) emissions shall not exceed 80 tons per year of NOx, 24 tons per year of VOC, and 18 tons per year of PM10. Facility-wide emissions shall be calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. For emergency engines, only emissions generated during testing and maintenance shall apply toward the facility-wide emission limits. These records shall be maintained as current for a minimum of five (5) years, and made available upon District, State and/or Federal request.
[District Rule 221(B)]

7. The Grainger, Krud Kutter Solvent (product item numbers 19MP77, 19MP78, 19MP79) permitted for this equipment is defined as a Low Volatility Solvent pursuant to District Rule 1104; therefore, the owner/operator must ensure that this equipment is operated with a Freeboard Height of not less than six (6) inches. Freeboard Height is defined as the vertical distance from the top of the solvent to the lip of the tank of the parts washer.
[District Rule 1104(C)(3)(h)]

8. The owner/operator shall conspicuously and permanently mark the location of the maximum allowable solvent level conforming to the Freeboard Height requirements of condition 7 on the parts washer tank.
[District Rule 1104(C)(3)(h)(vi)]

9. The owner/operator must dispose of any and all waste solvent and any solvent residue using one of the following methods:
a. A commercial Waste Solvent reclamation service licensed by the State of California; or,
b. A federally or state licensed Facility to treat, store or dispose of such Waste; or,
c. A recycle the Waste Solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
[District Rule 1104(C)(4)]

10. The owner/operator shall maintain and make readily available to federal, state, and District personnel upon request the following information/records for this equipment:
a. Product name of solvent used in the equipment and associated Safety Data Sheet;
b. The mix ratio of solvent used in the equipment (if any);
c. The VOC content of solvent used;
d. The total volume of solvent(s) used at this facility on a monthly basis;
e. The total volume of wipe cleaning using solvent (if any) used at this facility on a monthly basis; and,
f. Documentation of the disposal of solvent products, and/or documentation of the recycling of waste solvent to demonstrate compliance with condition 9.

The above specified information/records shall be retained on-site, at the facility, and available for the previous five (5) years.
[District Rule 1104(G)]

11. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]