Frequently Asked Questions Paint Stripping and Miscellaneous Surface Coating Operations Area Source Rule Motor Vehicles and Mobile Equipment

The following questions and answers were developed by the USEPA Region 5 ERP Outreach Tools Workgroup and reviewed by Leonard Lazarus, USEPA, Office of Enforcement and Compliance Assurance. Before a state Small Business Environmental Assistance Program (SBEAP) distributes this information, they will need to add state specific information to questions A-1, E-1, N-1, and N-2. This document will be updated as new questions and answers are developed. Comments or questions pertaining to this document should be directed to Dave Fiedler, Michigan's SBEAP at (517) 373-0607 or fiedlerd@michigan.gov.

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APPLICABILITY

A-1: My paint vendor claims none of their products contain cadmium, chromium, lead, manganese, or nickel. If that proves to be the case, I am planning on filing a Petition for Exemption to the USEPA. If I receive approval, can I just continue my business as usual?

A. For an auto body repair business to be exempt from the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), you need to demonstrate to the USEPA that none of the coatings you spray apply contain the following target hazardous air pollutants (HAPs): cadmium, chromium, lead, manganese or nickel. The petition must included a description of the coatings you spray apply and certification that you do not spray apply any coatings containing the target HAPs.

A Petition for Exemption form is located at [INSERT WEB PAGE]. Complete the form and send it to the [INSERT NAME OF AGENCY(IES)]. Until you receive an exemption from [INSERT NAME OF AGENCY(IES)], you must comply with the NESHAP. This exemption only pertains to the surface coating portion of the NESHAP. If you use methylene chloride containing paint strippers, you must comply with that portion of the rule even if you are exempted from the surface coating requirements.

Even if your business's petition is approved by USEPA, you still need to comply with all existing state and federal environmental regulations, e.g., hazardous waste management requirements, air quality permits and volatile organic compound (VOC) emission limitations. Contact your state Small Business Environmental Assistance Program for more information. If circumstances change and you use a coating that contains one of the targeted HAPs, then you must submit an Initial Notification to USEPA and comply with all of the requirements in the NESHAP.

A-2: Is there a deadline for auto body repair businesses to submit a Petition for Exemption?

A. No – A business can submit a petition anytime that it can demonstrate eligibility.

A-3: Does the NESHAP apply to home-based hobbyists that refinish motor vehicles?

A. It depends on the number of vehicles you paint and whether compensation is received. Anyone who spray applies surface coating to <u>more than two</u> motor vehicles or pieces of mobile equipment per year is subject to the NESHAP, regardless of whether compensation is received. If you paint <u>two or less</u> vehicles per year and compensation is received you are also subject to the NESHAP. If you paint <u>two or less</u> vehicles per year without compensation, you are not subject to the NESHAP.

A-4: I understand the NESHAP does not apply to surface coating using hand-held, non-fillable aerosol cans. Does the NESHAP apply to paint stripping using non-refillable aerosol cans containing MeCl?

A: Yes – the NESHAP makes no distinction of how MeCl is applied to the substrate. The purpose of the NESHAP is to minimize the evaporative emissions of MeCl, a toxic chemical that can cause cancer.

A-5: Are there CAS numbers for the five target HAPs?

A: Yes, all chemicals have CAS numbers assigned to them. Although certain chemicals are known by multiple names, CAS numbers do not change. For example, methylene chloride is also known as dichloromethane, but is only assigned one CAS number. As you review your MSDSs, don't forget to check for compounds that contain these metals (i.e., zinc chromate, barium manganate). Metal compounds do not have CAS numbers. Therefore you cannot use the absence of a CAS number to assume that the material does not contain a target HAP.

НАР	CAS number
Cadmium	7440-43-9
Chromium	7440-47-3
Lead	7439-92-1
Manganese	7439-96-5
Nickel	7440-02-0
Methylene Chloride	75-09-2

A-6: Do vocational schools that offer collision repair classes have to comply with the NESHAP?

A: Yes, except that according to Section 63.11173(e)(3), "the requirements for spray gun application technology do not apply to painting performed by students and instructors at paint training centers." In addition, according to Section 63.11173(e)(1), "the [training] requirements do not apply to students of an accredited surface coating training program who are under the direct supervision of an instructor who meets the [training] requirements." In other words, the students do not have to be certified before they are trained. Requirements for spray booths and spray gun cleaning apply to vocational schools. If paint stripping with MeCl is performed, those requirements also apply. Vocational schools may petition for the exemption if they do not use coatings containing the target HAPs.

A-7: Do the HVLP and spray booth/prep station requirements of the NESHAP apply only to the coatings containing one or more of the five target HAPs? If my primer does not contain one of the five target HAPs, do I have to spray with a HVLP gun and conduct the spraying in a booth or prep station?

A. The requirements of the NESHAP apply to the spraying of all coatings for motor vehicles and mobile equipment, even those not containing the target HAPs. Your primer would have to be sprayed with an HVLP or equivalent gun within a booth, station, or mobile enclosure.

ENFORCEMENT

(Note: responses to E-1 and E-2 are for states not taking delegation of the NESHAP)

E-1: How will this regulation be enforced?

A. Since the NESHAP is a federal rule and [INSERT NAME OF STATE] will not be taking delegation of the rule, it will be enforced by the USEPA. The following Web site can be used to report suspected violations of a federal

environmental regulation: www.epa.gov/compliance/complaints. Even though the [INSERT NAME OF AGENCY] cannot enforce this particular rule, part of our outreach will include educating building code officials and fire marshals about these requirements since they regulate auto body repair businesses as well. An extensive educational campaign should result in increased rates of compliance with the NESHAP.

The [INSERT NAME OF AGENCY] will continue to follow up on any complaints pertaining to all of the other environmental regulations applicable to auto body repair businesses. Those complaints can be called into the [INSERT NAME OF AGENCY AND APPLICABLE CONTACT INFORMATION].

E-2: How will enforcement agencies find those cash businesses that don't have business licenses, etc?

A. Typically, those operations will be found through complaints from neighbors, by employees who inquire about safety requirements, and by competitors who are concerned about the cost of unequal enforcement. The following Web site can be used to report suspected violations of a federal environmental regulation: www.epa.gov/complainte/complaints.

E-3: What are the penalties for not complying with the rule?

A. The penalties depend on several factors, such as the gravity of the offense, the economic benefit that the business gained by not complying, the business's effort to come into compliance, the size of the business, the actual or potential harm that the offense caused, how long the offense occurred, etc. Under the Clean Air Act, the USEPA is allowed to assess penalties of up to \$37,500 per day. The USEPA also has the option to pursue violations as criminal offenses – generally if the offense involves intentional environmental crimes.

E-4: Is an auto dealership obligated to make sure the independent mobile refinishing company he/she hires to do on-the-lot touchups is in compliance with all NESHAP requirements?

A: The intent of the NESHAP is to minimize emissions of target Hazardous Air Pollutants. All independent mobile refinishing companies are subject to the NESHAP requirements if they use one or more spray guns with a cup size over three ounces. It is good business practice to make sure that subcontractors are in compliance with the law, particularly when the work is performed on your property. The NESHAP specifically states in Section 63.11173(f) that the training requirements apply to "all new and existing personnel, including contract personnel, who spray apply surface coatings." Ask the business to provide a copy of the Initial Notification or the Notification of Compliance Status that they sent to USEPA, or provide proof that they always use a spray gun cup size of three ounces or less and are therefore not covered by the rule. Since the training requirements apply to contract painters, a hosting facility is required to verify and maintain a record of the painters' certification, and should obtain that from the contractor.

MOBILE REFINISHERS

MR-1: Are mobile repair and refinishing businesses subject to the NESHAP?

A: Yes, unless the mobile repair and refinishing business is only using paint spray guns with a cup capacity of three ounces or less and not paint stripping with methylene chloride. If they are using one or more spray guns with a cup capacity greater than three ounces, then they must comply with the same requirements as stationary sources. This includes painting with a mobile ventilated enclosure fitted with filter technology demonstrated to achieve 98 percent capture of paint overspray, using HVLP or equivalent transfer efficiency spray guns, proper cleaning of the spray guns, training, recordkeeping and submittal of the Initial Notification and Notification of Compliance Status. The mobile ventilated enclosure must enclose and if necessary seal against the surface around the area being coated such that paint overspray is retained within the enclosure and directed to a filter to capture paint overspray.

If a dealership contracts with a mobile repair and refinishing business to perform body work on cars in their lot, both the dealership and mobile refinisher could be subject to enforcement actions if the activities violate state and/or federal regulations.

NOTIFICATIONS

N-1: Do I have to use a specific state or USEPA form, or is any format acceptable as long as the appropriate information is provided in the initial notification?

- **A.** You do not have to use the state or USEPA-provided form. Any format is acceptable as long as it contains the required information provided below, found in Section 63.1175(a):
 - 1. The company name, if applicable.
 - 2. The name, title, street address, telephone number, e-mail address and signature of the owner or operator or other certifying company official.
 - 3. The street address of the facility and the street address of where the required compliance documents are maintained (if different), or for mobile operations without a physical facility, the street address of where the documents required to demonstrate compliance are kept.
 - 4. An identification of the rule the submission is for: 40 CFR, Part 63 Subpart HHHHHH.
 - 5. A brief description of the type of operation, including, as applicable:
 - a. Whether the facility is a motor vehicle or a mobile equipment surface coating operation; and/or a paint stripping operation.
 - b. The number of spray booths and preparation stations.
 - c. The number of painters usually employed.
 - d. The method of paint stripping employed (chemical, mechanical, etc).
 - e. The substrate stripped (metal, wood, plastic, etc.).
 - 6. For paint stripping operations, whether more than one ton per year of methylene chloride will be used after the compliance date.
 - 7. A statement of whether the facility is already in compliance with each of the requirements or whether it will be brought into compliance by the compliance date.

- 8. If the facility is a new or reconstructed source the owner/operator must certify in the initial notification, the compliance status of the facility. If the facility is existing, certification is optional in the initial notification. Compliance certifications must include:
 - a. A statement by a responsible official certifying the truth, accuracy and completeness of the notification.
 - b. A statement that the source has complied with all the relevant standards of the NESHAP (40 CFR, Part 63, subpart HHHHHHH) and that the initial notification also serves as the notification of compliance status.
 - c. A signature from the responsible official.
 - d. The name, title, phone number, e-mail address or the responsible official.

To obtain the Initial Notification form created by [INSERT NAME OF AGENCY], go to [INSERT WEB PAGE INSTRUCTIONS]. An example initial notification form is located at www.epa.gov/collisionrepair/index.html

N-2: Who do the auto body repair businesses submit the initial notification and notification of compliance reports to?

A: [INSERT NAME OF STATE] businesses need to send the reports to the [INSERT NAME OF AGENCY(IES)] at the following address(es):

[INSERT MAILING ADDRESSES OF AGENCY(IES)]

N-3: How will USEPA inform the business owners about the NESHAP?

A: All applicable businesses must comply with the regulation whether or not they are directly informed by USEPA. The USEPA has initiated a Collision Repair Campaign to educate the industry about the new regulation. Go to **www.epa.gov/collisionrepair**. In addition, state small business environmental assistance programs are performing outreach to get the word out. [INSERT EXPLAINATION OF SBEAP'S OUTREACH EFFORTS] To repeat, a business is not absolved of responsibility for compliance simply because it has not been contacted directly by a government agency.

OTHER

O-1: Will USEPA regulate who can buy automotive paint (i.e., licensed business only) or place restrictions on the suppliers?

A. No. The NESHAP does not address the sale of automotive coatings.

O-2: Does the NESHAP require shops to use water-based paints?

A: No. The NESHAP does not mandate any coating formulation changes or switch to water-based paints.

O-3: Does the NESHAP require shops to stop using paints that contain heavy metals (Cr, Pb, Cd, Mn, Ni)?

A: No, existing paints can be used provided the NESHAP requirements are satisfied. The goal of the NESHAP is to protect the environment from paint overspray that contains these heavy metals.

SOURCE TYPE

S-1: What is an existing source?

- **A.** For a source to be considered "existing," it must meet <u>one</u> of the following conditions:
 - Performed paint stripping and/or surface coating on or prior to September 17, 2007, or
 - No installation of paint stripping and/or surface coating equipment occurred after September 17, 2007.

S-2: What is a <u>new</u> source?

- **A.** For a source to be considered "new," it must meet both of the following conditions:
 - Did not perform paint stripping and/or surface coating operations on or prior to September 17, 2007, and
- Installed and operated paint stripping and/or surface coating equipment after September 17, 2007. If you purchase paint stripping equipment to reduce methylene chloride emissions, or purchase and install spray booths, enclosed spray gun cleaners, or new spray guns to comply with this rule at an existing facility, these actions would not make your existing facility a new source.

S-3: What is a reconstructed source?

A. A reconstructed source is an existing source that has replaced components to such an extent that the fixed capital cost of the new components exceeds 50 percent of the cost that would be required to construct a comparable new source. A source consists of all of the following: mixing rooms, spray booths and ventilated prep stations, spray guns and associated equipment, spray gun cleaning equipment, equipment used for storage, handling, recovery or recycling of cleaning solvent or waste paint and equipment used for paint stripping at facilities using paint strippers containing methylene chloride. A reconstructed source's compliance deadlines are the same as a new source's deadlines.

S-4: Is an existing source that is bought out by another business considered a new source?

A: No, unless the new owner upgrades the facility such that it becomes a reconstructed source as described in the answer to question S- above.

SPRAY BOOTHS

SB-1: Can I prime or do other painting of vehicles in the general shop area, outside of a spray booth?

A: Yes, as long as you use a mobile ventilated enclosure to capture overspray or use spray paint guns with a paint cup capacity of 3 or less ounces.

SB-2: Can I prime a fender of a complete automobile in a prep station with three complete walls?

A: No – three-walled prep stations can only be used for parts or subassemblies. The fender must be removed from the complete automobile for priming in a three-walled prep station and the prep station must also have a roof, be ventilated so that air is drawn into the area, and the ventilation system must be fitted with a filter technology that is demonstrated to achieve at least 98 percent capture of paint overspray. Prep stations and spray booths that are large enough to hold a complete vehicle must have four complete side walls or curtains and a complete roof.

SB-3: Does the NESHAP address the frequency of filter changing? If not, how often should my filters be changed?

A: No, the NESHAP does not address frequency of filter replacement. The frequency of filter replacement is dependent on several factors, including how much coating is applied and how much overspray it must filter. This varies from business to business. The filter should be changed at a frequency that allows the ventilation system to perform properly – that the motor in the ventilation system continues to operate efficiently. Consult the ventilation system manufacturer for their recommendations on how to tell when the filter should be changed.

SB-4: Do I need a filter system for the prep area?

A. Yes, all spraying of coatings must be conducted in either a spray booth or preparation station that is ventilated and controlled by filters or with a mobile enclosure that is ventilated and fitted with filters.

SB-5: What type of filters must I use in my spray booth, preparation station, or mobile enclosure?

A. Section 63.11173(e)(2)(i) requires that the filters used have been demonstrated to achieve at least 98% capture of the paint overspray. The demonstration must be consistent with the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Method 52.1 and some additional criteria mentioned in Section 63.11173(e)(2)(i). The NESHAP requires you keep documentation of this demonstration which your filter supplier should be able to provide.

SPRAY GUNS

SG-1: Does the USEPA maintain an approved list of spray guns?

A: No, the USEPA does not have a list of approved spray guns. Approved spray gun technologies include: HVLP, electrostatic, airless, or air assisted airless. Other technologies are acceptable if the spray gun manufacturer has demonstrated the guns have comparable coating transfer efficiency to one of the approved technologies and have received written approval from the USEPA, California, or another jurisdiction in your state which accepts California's test protocols for spray gun transfer efficiency. Again, check with the manufacturer of the gun and obtain a copy of a letter of the gun's approval from USEPA or other jurisdiction for your records. California's list of seven specific (non-HVLP) guns are equivalent to or better than HVLPs since they are demonstrated to achieve at least 65 percent transfer efficiency. These are listed at http://www.aqmd.gov/permit/spraytransferefficiency.html

SG-2: Is atomizing gun cleaning solvent allowed if it is directed into the collection bucket?

A. No, spraying into an open bucket is not allowed.

TRAINING

T-1: Can I train my own employees or should we have a third party do it?

A. The training requirements do not specify that any one training provider or program must be used. The rule allows flexibility for the best training environment and certification process that an owner or operator can identify for their particular work site that meets the requirements in the NESHAP. The NESHAP allows for inhouse training programs and for an owner of a facility to certify successful completion of such a training program. Third party training might be available from coating equipment vendors, paint suppliers, associations, community colleges and consultants. The minimum requirements for training are outlined in the answer to question T-6 below, and are found in Section 63.1173(f) of the NESHAP.

T-2: What painter certifications are required? Are there any specific certified training programs? Who is going to approve the certification process?

A: Every painter who spray applies coatings to motor vehicles and/or mobile equipment must be trained and the owner or operator must certify that their painters were trained. The USEPA will not establish or designate a body to certify or approve training programs. The rule includes sufficient detail on the training requirements so that training programs can be developed to meet those requirements (see §63.11173(f)). Certification by the trainer and/or the owner/operator that the training program meets the requirements is required. However, there is no approval of the certification process.

T-3: Is documentation required for certification? How do we certify our painters? [e.g., transcripts, certificates, etc.]

A: The owner or operator of a surface coating operation must ensure and certify that all those personnel who spray apply coatings under the rule are trained. The owner or operator must keep records documenting that each painter has completed training that meets all of the requirements in the NESHAP, and when that training occurred. If a third party training program is used, ask for a certificate from the training provider that specifies that the requirements of the NESHAP were met for each painter who successfully completed the course. No matter who provides the training, it is advisable to keep a copy of the course syllabus as well.

T-4: Can a painter use previously conducted training to satisfy the NESHAP training requirement?

A: Maybe - painter training that was completed within five years prior to the date training is required, and that meets the requirements for training specified in the rule (§63.11173(f)) does satisfy the requirement and is valid for five years after the training was completed. The date the training is required is:

- Existing facilities: before January 10, 2011 for all employees or if hired after January 10, 2011, within 180 days after hire.
- New facilities no later than 180 days after hire.

Asking it another way, If I had training two years ago that covered all that the NESHAP requires except for the provisions of the NESHAP itself, and now I take a supplementary course that covers the rule, is my training valid for five years from the time I took the bulk of the training (two years ago) or from the time I completed the training by taking a supplemental course about the NESHAP? The answer is it would be five years from the date of the earlier training because training on each required topic must always be less than 5 years old.

T-5: Do painter helpers need to go through the required training?

A: The training requirement applies to all new and existing personnel, including contract personnel, who spray apply surface coatings. If the painter helper never spray applies surface coatings, then the helper does not need to be trained. If the painter helper does occasionally spray apply coatings, the helper must be trained.

T-6: What should the training syllabus look like?

A: As specified in Section 63.1173 (f) of the NESHAP, the training syllabus should contain the following topics:

- 1. Hands-on *and* classroom instruction that addresses, at a minimum, the following topics:
 - a. Instruction on routine spray booth and filter maintenance, including filter selection and installation.
 - How to install/operate filter technology on all spray booths/stations/enclosures within the booth manufacturer's guidelines to achieve at least 98 percent capture efficiency – related topics such as:
 - How to obtain advertised performance for air flow;
 - Optimum coatings application parameters;

- Adjustment of booth controls to maintain peak efficiency;
- When and how to change booth filters as required.
- Spray booths/stations used to refinish complete motor vehicles or mobile equipment
 must be fully enclosed and ventilated at negative pressure or up to 0.05 inches water
 gauge positive pressure for booths that have seals on all doors and other openings and an
 automatic pressure balancing system.
- Spray booths/stations used to coat miscellaneous parts or products or vehicle subassemblies must have a full roof, at least three complete walls or side curtains, and ventilated so that air is drawn into the booth.
- b. Instruction on spray gun operation including:
 - Spray gun equipment selection,
 - Set up, and operation,
 - Measuring coating viscosity,
 - · Selecting the proper fluid tip or nozzle,
 - Achieving the proper spray pattern,
 - Achieving the proper air pressure and volume,
 - Achieving the proper fluid delivery rate.
- c. Instruction on spray technique including:
 - Spray technique for different types of coatings to improve transfer efficiency and minimize coating usage and overspray,
 - Maintaining the correct spray gun distance and angle to the part, Using proper banding and overlap, and reducing lead and lag spraying at the beginning and end of each stroke
 - All spray-applied coatings must be applied with a high volume, low pressure (HVLP) spray
 gun, electrostatic application, airless or air-assisted airless spray gun, or an approved
 equivalent technology. An HVLP-equivalent technology not previously approved by
 California or according to California test methods and guidance must be approved by the
 USEPA they need to submit a request to the USEPA with a copy of the manufacturer's
 equipment information.
 - Proper spray gun cleaning procedure. Paint spray gun cleaning must be done so that an atomized mist or spray of the cleaning solvent is not created outside a container that collects used gun cleaning solvent.
- 2. Instruction on what is necessary for *site-specific understanding of* environmental compliance with the requirements of the NESHAP.
- 3. The training program must also include a description of the methods, such as testing, to be used at the completion of initial or refresher training to demonstrate, document, and provide certification of successful completion of the required training. Records should be kept for each painter that include:
 - Employee name
 - Date or initial training and the date of each renewal
 - Training provider(s)
 - Course name(s)
 - Training Content such as the course syllabus