

Free Technical Assistance – No Cost to Shops!

Designgreen



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Technical Assistance



Get the Word Out



Understanding Your Operations



Create Your Pollution Prevention Plan



Discuss: P2 Plan + Certification + Products



Goals + Actions + Application + Product Experience



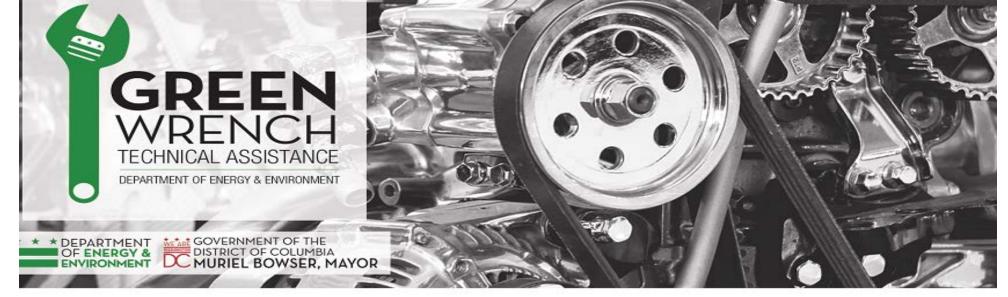




Baseline Surveys

- Meet with Owner or Shop Managers
- Review Operations
- Locate Permits and Plans
- Products: Brands, Usage, Needs
- Waste Management: Hazard + Universal
- Spill Prevention
- Storm Drain Protection
- Energy Demands + Greener Options

Plans and Permits	Operations		
Does your shop have environmental plans?	What type of activities take place	onsite?	? NO
Check all that apply	1. Brake Repairs	1	-
None	2. Transmission Repair		
SPCC Plan (Spill Prevention, Control.		V	
and Countermeasure Plan)	Body Repair Routine Services	/	- /
SWPPP (Stormwater Pollution Prevention	5. Vehicle Refinishing	-	V
Plan) or Stormwater Management Plan		V	
HMMP (Hazardous Material Management	6. Electrical (semt) 7. Engine Repair/Replacement		
Plan) or HMIS (Hazardous Materials	8. Fuel and Ignition Systems Vultar	m	
Inventory Statement) No oil water	9. Tire Replacement/ Repair	V	
Other: Saparatov	10. Car washing		1
	11. Painting Services		1/
	12. AC Services	. /	
Does your shop have existing environmental	13. Other:	~	
permits?	13. 57/16/1		
District of Columbia Air Quality Permit	Energy and Heat		
(e.g. paint booth) Multi-Sector General Permit (MSGP)	What type of energy does your shop use?		
for industrial stormwater runoff	Pepco o Solar o Energy Ch		
an amaza and almas and b	a. Other:		
Other: Please ist	How much energy does your shop	use?	
Materials Management	Provide monthly energy usage, which can be found	in your last	b#.
Mark which the strategies your shop uses.	\$200-300 or more / mon	the	
Maintain a hazardous material inventor			
/Use a "First- in First-out" system	Describe now your snop nears its be	ay(s)	
✓ Place liquid containers in secondary	18 plectric heater		
containment	electric Ar		
Label containers to identify contents	each HC		
Have spill kits/absorbent			
Keep Material Safety Data Sheets (MSDS)	GO Usa Ac		
Keep Manifests/Receipts from waste or	() OND 100		
recycling pick ups			
Additional Management Strategies	Frequency: ulada		
V Pagular Employee Trainings			
Regular Employee Trainings	13		
Briefly describe what is fought	0 0		
Regular Employee Trainings Briefly describe what is favight D Self Inspections/Audit	Frequency:		



Prepared For

By: Designgreen LLC On: 2/6/2020

Modification Log for Facility Managers and Operators:

Date	Description of Modification	Name of Person Making Modification

Your Pollution Prevention Plan

- Goals and Actions
- Savings Opportunities and Certification Pathway

Conditionally-exempt small quantity generators: Generate less than or equal to 100 kg (220 lbs.) of hazardous waste and do not generate more than 1 kg (2.2 lbs.) of acute hazardous wastes (defined in sections 261.31 or 261.33(e))⁷ in any calendar

month.

Small quantity generators: Generate greater than 100 kg (220 lbs.) but less than 1,000 kg (2,200 lbs.) of hazardous waste and do not generate more than 1 kg (2.2 lbs.) of acute hazardous wastes in any calendar month.

Large quantity generators: Generate greater than or equal to 1,000 kg (2,200 lbs.) of hazardous waste or generate more than 1 kg (2.2 lbs.) of acute hazardous wastes in any calendar month.

Registration:

To register as a hazardous waste generator with DOEE, the facility must:

- Complete Federal registration Form 8700-12 "RCRA Subtitle C Site Identification Form," to request an EPA Identification Number (EPA ID #),
- Send the completed form and a check for the required fee (see below for applicable fees) to DOEE, and
- 3. Submit an Annual Self-Certification of Compliance form and registration fee every year.

To download forms and for more information on registering as a hazardous waste generator, navigate to https://doee.dc.gov/service/register-hazardous-waste-generator.6



Hazardous Waste

- Registration as a hazardous waste generator
 - Required for shops with hazardous waste, universal waste, or used oil on site
 - Hazardous waste: Ignitable, corrosive, reactive, or toxic

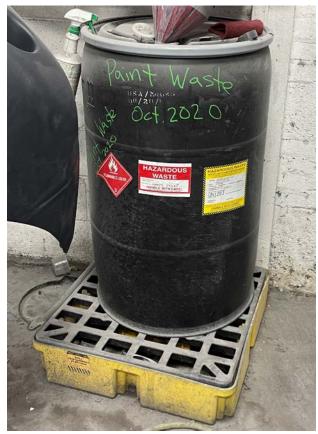
Hazardous Waste Regulations

Table 1. Summary of District and Federal (RCRA Part C) Hazardous Waste Regulations

REGULATION SUMMARY	FINE FOR NON- COMPLIANCE	SOLUTION
Identify hazardous wastes (HW), universal waste (UW), and used oil	\$500 to \$2,000 per infraction	Identify all HW, UW, and used oil generated at the facility
Properly manage all HW, UW, and/or used oil	\$500 to \$2,000 per infraction	Properly handle, store, and dispose all HW, UW, and used oil generated at the facility
Properly dispose of all HW, UW, and/or used oil	Up to \$37,500 per day per violation plus clean up expenses. This is DOEE's daily maximum	Work with a licensed hauler to take the HW, UW, or used oil. See Appendix 1, Local Contacts, for how to vet haulers
Burning used oil for heat	\$2,500 fine for each day of the violation, imprisoned for no more than 1 year for violating District regulations, ⁸ in addition to RCRA Subpart C fines ⁹	Switch to other fuel sources or use a different type of heater, such as an electric heater

Waste Haulers

- Tire Haulers
 - Proco
 - Emanuel Tire
- Rag Cleaners
 - Unifirst
 - Cintas
- Hazardous Waste Haulers
 - Crystal Clean
 - Safety Clean
 - Patriot Environmental
 - Lorco





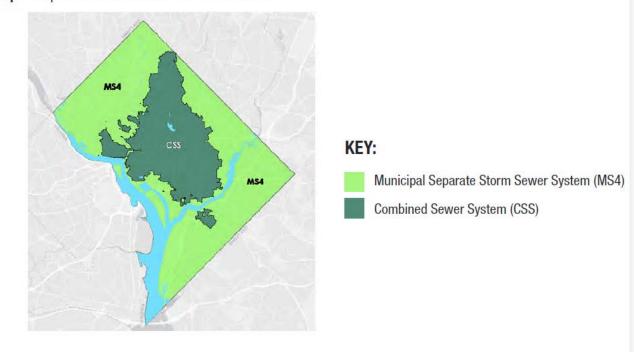
Goal: Prevent Air and Water Pollution

- Sources of Water Pollution
 - Wash water
 - Oils
 - Antifreeze

No amounts of any of these substances may be disposed of or washed into a storm drain, and accidental releases must be prevented.

- Sources of Air Pollution
 - Automotive painting and paint booths
 - Parts washers that use toxic cleaners
 - Vehicle idling (more than 3 minutes)

Map 1. Map of the MS4 and CSS areas of the District



Vehicle Maintenance

Used Oil and Antifreeze

- Store in barrels or storage tanks that are labeled and covered
- Utilize secondary containment systems to minimize spills

Oil Filters

• Fully drain, then recycle with hauler

Brake Pads

- Install copper free brake pads
- Assume all brake pads are made of asbestos
 - Low Pressure/Wet Cleaning Method





Vehicle Maintenance: Tires

Tires

- Extend the life of clients' tires
- Use non-lead wheel weights

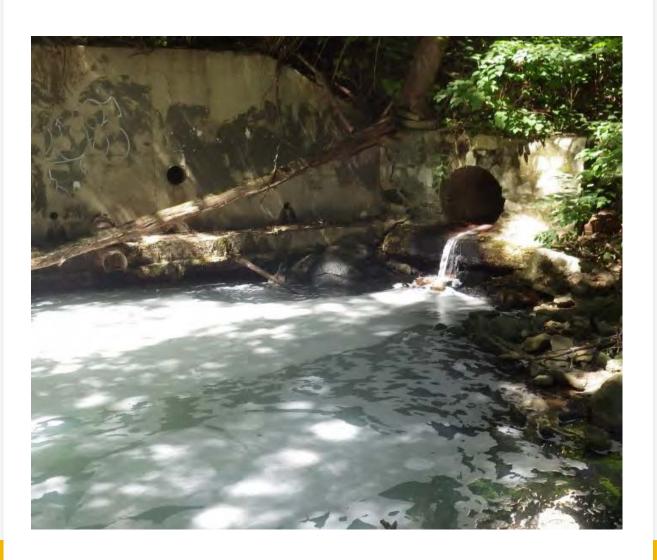
Best Practices

- Store as few tires as possible at the shop
- Make sure tires are hauled away on a regular basis
- Store tires on metal tire racks rather than on the ground
- Store tires indoors or keep the tire pile covered to
- prevent rainwater from collecting (with a tarp)
- Maintain access around the tire pile at all times



Soy-Based Tires by Goodyear





Vehicle Maintenance: Washing

- Wash water is harmful to the environment
- Untreated wash water is prohibited from entering storm drain
- If shop is in the MS4: Divert wash water to sanitary drain requires DC Water discharge permit
- If shop is in the CSS: Obtain DC water discharge permit
- Best practices
 - Minimize the amount of wash water produced
 - Capture and Collect wash water to prevent it from entering storm drains
 - Treat wash water by diverting it to the sanitary sewer or a treatment facility
 - Use waterless car wash products

Vehicle Maintenance: Bodywork

Bodywork

Contributes to air pollution and harms worker health

Best Practices

- Reduce worker exposure with Personal Protective Equipment (PPE)
- Use mechanical paint stripping when possible. Use solvent paint strippers only when necessary
- Use water-based paints (require fewer coats, non-flammable, and reduce VOCs)
- Have proper ventilation
- Collect and reuse, recycle, or safely dispose of leftover paint



Facility Maintenance

- Conserve energy to reduce environmental impact
- Best Practices
 - Apply light switch stickers
 - Keep overhead doors closed when possible
 - Use programmable or smart thermostats
 - In the summer, set the thermostat to 78 degrees when the shop is occupied, and 85 degrees or off after business hours
 - Using ceiling or room fans improves air circulation
 - Turn off office equipment or set it to "power down" when not in use.
 - Weatherize buildings



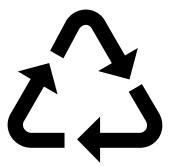


Facility Maintenance

Minimize waste & manage properly to reduce environmental impact

Best Practices

- Dispose fluorescent lighting with a licensed universal waste handler
- Incandescent and LED lamps may be placed in the trash
- Use "first in, first out" method to minimize waste from expired materials
- Keep accurate records of material usage so that reductions can be measured
- Have a hauler for recycling (boxes, plastic containers, paper)
- Have regular hauler pickups to minimize overflow







Environmental Compliance Checklist

In order to be eligible for GreenWrench Certification, the facility must be in compliance with environmental regulations.

Environmental Regulation	In Compliance	N/A	Comments
Hazardous and Universal Waste, Used Oil Regulations	W 1	56	
Air Quality Regulations			
Water and Land Regulations			

Qualifying & Additional Activities

VELLOW A attribute () Complete

Qualifying Activities: Shops will need to complete all three of the activities from this list.

Activity	Complete	Comments	
Shop rags are commercially managed			
Adequate, clearly marked, spill containment kits are available and maintained in all areas where fluids are stored or handled			
Environmental compliance documents are maintained and are easily accessible			

YELLOW Activities (choose at least 2)	Complete	Comments
Recycled coolants are used (either recycled in-house or by vender)		
Copper-free brake pads used for brake pad changes		
Low pressure/wet cleaning methods are used when performing brake or clutch jobs		
No VOC degreasers are used		
Non-toxic lubricants and corrosion inhibitors are used		
Lead-free tire balancing weights are used		
Solar panels have been installed for energy efficiency		
Water efficient products are used where possible (Ex. low flow toilets)		
Total activities		





GREEN Activities (choose at least 4)	Complete	Comments
Re-refined motor oil is used for oil changes		
Anti-idling signage is installed at shop		
Stickers are applied near light switches to remind staff to turn off lights		
Automatic setback thermometers are installed to save on heating/cooling costs		
Energy efficient products are used where possible (ex. LED lightbulbs)		
Chemical paint stripper usage is minimal or eliminated through mechanical methods		
Storm drains are stenciled/marked to remind staff and customers that site drains to a local waterway		
Methods to reduce waste are used (Set your printers to default double sided, provide electronic invoices, provide durable dishware for staff, etc.)		
Total activities		





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