

Appendix E Waste Cheat Sheet

Quick Reference for Documenting Waste Management

EMS Waste Cheat Sheet

EMS Tab	Description of Waste	Is Additional Waste Characterization Needed? ¹	Waste Generation Log (Columns match EMS Log)					Waste Disposal Log (Columns match EMS Log ²)		
			Track on the Log	Type of Waste	Method of Characterization	Monthly Generation	Add to Monthly Total "Hazardous"	Track on the Log	Method of Disposal	Disposal Company
1 Good Housekeeping	Guardrail, culvert, and metal sign posts that are not reused	No	No	Solid	Knowledge	NA	NA	No	Recycle or trash	Scrap metal hauler or landfill
	Lumber, fencing, and untreated sign posts (Disposal of treated wood is in 5.20)	No	No	Solid	Knowledge	NA	NA	No	Recycle or trash	Wood recycler or landfill
	Concrete barrier that is not reused	No	No	Solid	Knowledge	NA	NA	No	Recycle or trash	Construction debris or landfill
	Absorbent or disposable rags used to cleanup oil or fuel spills (no free liquids)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Absorbent or disposable rags used to non-hazardous spills (coolant or coffee)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Absorbent or disposable rags used to hazardous spills (solvent)	No	YES	Hazardous	Knowledge	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
	Absorbent or disposable rags used to cleanup pesticide spills (no free liquids)	No	YES	Universal	Knowledge	Estimate weight	No	YES	Incineration or HazWaste landfill	Universal waste or HazWaste hauler
	Aluminum signs that are no longer needed	No	No	Solid	Knowledge	NA	NA	No	Recycle	ODOT Surplus
4 Drainage	Absorbent from carbon-based water treatment systems (i.e. drums or SD25)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Oil only absorbent (e.g. skimmers and booms) used to remove oil in vaults	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Sludge and sump deposits from vaults, trenches, and evaporators	See Section 5.18 - Roadwaste								

¹ Consult the EMS Policy and Procedures Manual for information on waste characterization methods. If characterization determines the waste is hazardous use the waste disposal guidance listed in the top half of the spill row. Use the bottom half of the spill row if the waste is determined non-hazardous. Do not assume wastes are non-hazardous. Where necessary, contact Region HazMat for assistance with waste sampling.

² Disposal options are listed even when the waste does not have to be tracked on the Waste Disposal Log. Refer to the EMS Manual for detailed information on waste disposal options. A list of permitted landfills and transfer stations is located in Appendix J – Permitted Landfills. For the disposal of trash look for a municipal landfill or transfer station (will say municipal in the class column of the table).

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			Track on the Log	Type of Waste	Method of Characterization	Monthly Generation	Add to Monthly Total "Hazardous"	Track on the Log	Method of Disposal	Disposal Company
5.1 Aerosol Cans	Punctured aerosol can	No	No	Solid	Knowledge	NA	NA	No	Recycle or trash	Scrap metal hauler or landfill
	Can popper residue- (if aerosol cans are popped immediately and <u>not</u> counted as hazardous waste)	No	YES	Hazardous	Knowledge	Weight of residue in pounds (1 oz per can)	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
	Un-popped aerosol cans kept in a barrel or box and popped onsite later (e.g. cans are not popped by the end of shift)	No	YES	Hazardous	Knowledge	Weight of cans in pounds (can plus contents ¼ pound per empty can)	YES	No	<i>Disposal tracked with can popper (next line)</i>	
	Can popper residue- (if aerosol cans are counted as hazardous waste)	No	No	<i>Generation is tracked by counting cans (line above)</i>			NA	YES	Incineration or HazWaste landfill	HazWaste hauler
	Un-popped aerosol cans that are taken to another yard and popped in a can popper	No	YES	Hazardous	Knowledge	Weight in pounds (can plus contents ¼ pound per empty can)	YES	YES	Can puncture system	Yard that receives the aerosol cans
	Un-popped aerosol cans that will not be popped (e.g. caustic, ether, or odd size)	No	YES	Hazardous	Knowledge	Weight in pounds (can plus contents ¼ pound per empty can)	YES	YES	Incineration or HazWaste landfill (or trash if CEG)	HazWaste hauler (or landfill)
	Can popper filter (generated when the filter is changed; disposed when taken offsite)	No	YES	Hazardous	Knowledge	Weight of filter in pounds (about 2-3 pounds)	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
5.2 Asphalt Paving Products	Emulsion (including emulsion mixed with release agent) that is picked up by a used oil recycler	No	YES	Excluded	Knowledge	Estimate gallons	No	YES	Recycle	Used oil recycler
	Emulsion that is not recycled	YES	YES	Hazardous	Assume or Analysis	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Analysis	NA	No	NO	Trash	Landfill or transfer station
	Asphalt coated absorbent (not dripping)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Empty drums of emulsion or release agents	No	No	Solid	Knowledge	NA	NA	No	Recycle, return to vendor, or trash	Scrap metal hauler, vendor, or landfill
	Excess asphalt and asphalt grindings	See Section 5.18 - Roadwaste								
Unwanted new emulsion (whole, sealed container)	No	No	Not a waste	NA	NA	NA	NA	No	Sale, transfer, or return to vendor	e-Bay, ODOT shop, or vendor

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5.3 Automotive Fluids and Parts	Coolant that is recycled	No	YES	Excluded	Knowledge	Estimate gallons	No	YES	Recycle	Vendor or HazWaste hauler
	Used coolant that is not recycled or coolant mixed with other waste	YES	YES	Hazardous	Assume or Analysis	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Analysis	NA	NA	No	Local Landfill or transfer station	
	Unopened, unwanted products that are sold or returned (whole, sealed containers)	No	No	Not a waste	NA	NA	NA	No	Sale, transfer, or return to vendor	e-Bay, ODOT shop, or vendor
	Brake fluid that is managed as used oil	No	YES	Excluded	Knowledge	Estimate gallons (included with used oil unless stored separately)	No	YES	Recycle	Used oil recycling company
	Brake fluid mixed with chlorinated cleaner (store separately)	No	YES	Hazardous	Knowledge	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
	Brake dust and friable asbestos-containing waste (brake pads or clutch dust)	No	No	Asbestos	Knowledge	NA	NA	No - keep receipt	Special landfill	Asbestos permitted landfill
	Metal grindings and filings	No	No	Solid	Knowledge	NA	NA	No	Recycle or trash	Scrap metal hauler or landfill
	Used parts (except filters) Drain where appropriate	No	No	Solid	Knowledge	NA	NA	No	Core exchange, recycle, or trash	Vendor, scrap metal hauler, or landfill
	Absorbent or disposable rags saturated with coolant (not dripping)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Oily absorbent or disposable rags (not dripping)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Absorbents and rags used to pick up non-oily products and wastes	YES	YES	Hazardous	Assume, analysis or Waste Profile	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Analysis or Waste Profile	NA	NA	No	Landfill or transfer station	
	Empty drums and containers	No	No	Solid	Knowledge	NA	NA	No	Recycle, return to vendor, or trash	Scrap metal hauler, vendor, or landfill
Air filters	No	No	Solid	Knowledge	NA	NA	No	Trash or recycle	Landfill or recycler	
Coolant filter - drained	No	No	Solid	Knowledge	NA	NA	No	Trash or recycle	Landfill or recycler	

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	Diesel fuel filter - drained	No	No	Solid	Knowledge	NA	NA	No	Trash or recycle	Landfill or recycler
	Gasoline fuel filter – drained	No	YES	Hazardous	Lab analysis	Estimate weight in pound (2 ounce per filter or 1 pound per month)	YES	YES	Trash or recycle – write once a year	Landfill or recycler
	Oil filter - drained	No	No	Solid	Knowledge	NA	No	No	Recycle or trash	Scrap metal hauler, recycler, or landfill
5.4 Batteries	Single use batteries (alkaline or carbon)	No	No	Solid	Knowledge	NA	NA	No	Recycle or trash	Battery recycler or landfill
	Rechargeable batteries (small lead acid, NiMH, or NiCd) sent to recycler	No	YES	Universal	Knowledge	Estimate number of batteries	No	YES	Recycle	Universal waste hauler
	Large lead acid (equipment) batteries returned for recycling or reclamation <small>(Most batteries are exchanged at the retailer, so ODOT has decided not to track this universal waste)</small>	No	No	Universal	Knowledge	NA	NA	No	Recycle	Battery retailer, wholesaler, or recycler
	Large lead acid and other rechargeable batteries that aren't recycled	No	YES	Hazardous	Knowledge	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
5.5 Cleaning Products	Unwanted cleaners that do not contain pesticides or anti-microbial	YES	YES	Hazardous	Waste Profile	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Waste Profile	NA	NA	No	Trash	Landfill or transfer station
	Unwanted anti-microbial cleaners and disinfectants	See Section 5.16- Pesticide								
	Empty containers	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
5.6 Compressed Gas	Cylinders (full, partially full, or empty) that are not returned to vendor	No	YES	Hazardous	Knowledge	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
	Completely empty non-refillable cylinders This OPTION ALLOWED ONLY IF a CEG	No	YES	Hazardous	Knowledge	Weight in pounds (1-2 pounds per cylinder)	Yes	Yes	Trash	Landfill or transfer station

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	Refillable cylinders (full, partially full, or empty) that are returned to the vendor	No	No	Not a waste	Knowledge	NA	NA	No	Return to vendor	Vendor
5.7 Electronics	Electronics transferred to ODOT Surplus Property	No	No	Not a waste	NA	NA	NA	No	Transfer	Surplus Property
	Electronics that are not recycled or sent to Surplus Property	No	YES	Hazardous	Knowledge	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
5.8 Epoxy	Outdated or unwanted epoxy, adhesive, or caulk (liquid or semi-solid)	YES	YES	Hazardous	Waste Profile	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
	Two-part epoxies CANNOT be mixed with the intention of disposal unless both parts are non-hazardous		No	Solid	Waste Profile	NA	NA	No	Trash	Landfill or transfer station
	Unwanted packages of solid epoxy or dry materials (e.g. concrete or mortar)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Empty containers of caulk, adhesive, or epoxy	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Epoxy slurries that won't harden	YES	YES	Hazardous	Assume, analysis or Waste Profile	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Analysis or Waste Profile	NA	NA	No	Trash	Landfill or transfer station
	Unwanted epoxy (full containers) that are returned or transferred	No	No	Not a waste	NA	NA	NA	No	Sale, transfer, or return to vendor	e-Bay, ODOT shop, or vendor
Hardened epoxy (e.g. mixed too much) including waste from cleaning equipment that hardens as part of the process	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station	
5.9 Equipment and Fleet	Unwanted equipment	No	No	Not a waste if surplus	Knowledge	NA	NA	No	Resale or transfer	ODOT Fleet or Surplus
	Tires from ODOT fleet that are returned to retail tire center	No	No	Solid	Knowledge	NA	NA	No	Recycle	Vendor or tire retailer
	Whole tires (cut in half) that are not returned to a retail tire center	No	No	Solid	Knowledge	NA	NA	No	Recycle or Trash	Rubber recycler or landfill

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	Solids from wash rack sumps and debris for washing and rinsing equipment		See Section 5.18 - Roadwaste							
5.10 Fertilizer and Lime	Unwanted or unusable fertilizer (that does not contain pesticide) or lime <i>Note: see pesticide for fertilizers with pesticide</i>	YES	YES	Hazardous	Waste Profile	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Waste Profile	NA	NA	No	Trash	Landfill or transfer station
	Spilled fertilizer or lime that is used as a product (soil amendment)	No	No	Not a waste	NA	NA	NA	No	Reuse	ODOT
5.11 Fuel	Unusable diesel, gasoline, or heating oil that is picked up by a used oil recycler or burned for fuel)	No	YES	Excluded	Knowledge	Estimate gallons	No	YES	Recycle	Used oil recycler
	Unusable diesel, gasoline, or heating oil that burned for fuel)	No	YES	Excluded	Knowledge	Estimate gallons	No	YES	Burned for fuel	Name of license burner or ODOT shop
	Unusable diesel, gasoline, or heating oil that is <u>not</u> recycled or burned for fuel	YES	YES	Hazardous	Assume or Analysis	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Analysis	NA	NA	No	Trash	Landfill or transfer station
	Unusable or outdated diesel additive (DEF)	No	No	Solid	Knowledge	NA	NA	No	Trash (mixed until not dripping or small closed container)	Landfill or transfer station
Absorbent or rags that have been used to cleanup fuel spills (saturated but not dripping)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station	
5.12 Lighting	Incandescent bulbs, LEDs, and solid state lamps	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Fluorescent tubes, compact fluorescents, and HID lamps (e.g. mercury vapor or metal halide) that are recycled	No	YES	Universal	Knowledge	Estimate number of lamps	No	YES	Recycle	Vendor or universal waste hauler
	Fluorescent tubes, compact fluorescents, and HID lamps that are not recycled (i.e. broken, or. thrown in the trash)	No	YES	Hazardous	Knowledge	Weight in pounds (2 ounce per foot, ½ pound per compact, or 1 pound per HID)	YES	YES	Incineration or HazWaste landfill	HazWaste waste hauler
	Green capped fluorescent tubes (low mercury)	No	No	Solid	Knowledge	NA	NA	No	Recycler or trash	Recycler, universal waste or landfill
	Unwanted new fluorescent tubes and HID bulbs that are returned or traded	No	No	Not a waste	Knowledge	NA	NA	No	Sale, transfer, or return to vendor	e-Bay, ODOT shop, or vendor

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	Light ballast with a "non-PCB" sticker	No	No	Solid	knowledge	NA	NA	No	Trash	Landfill or transfer station
	PCB light ballast, ballast older than 1978, or a ballast without a "non-PCB" sticker	No	No	TSCA waste	Knowledge	NA	NA	No	Incineration or HazWaste landfill	HazWaste hauler that accepts PCB waste
	Used or unusable light fixtures without bulb and ballast	No	No	Solid	knowledge	NA	NA	No	Recycle or trash	Scrap metal hauler or landfill
	Metal light poles and uncoated wire	No	No	Solid	Knowledge	NA	NA	No	Recycle	Scrap metal hauler
	Unwanted flares (won't light)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Old or unusable flares (too scary to light)	No	No	Solid	Knowledge	NA	NA	No	Coordinate with OSP for use in training	
	Used glow sticks	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
5.13 Oil	Used oil (motor oil, hydraulic oil, etc.) picked up by a recycler	No	YES	Excluded	Knowledge	Estimate gallons	No	YES	Recycle	Used oil recycler
	Used oil picked up by company or agency for heater fuel	No	YES	Excluded	Knowledge	Estimate gallons	No	YES	Burned as heating fuel	Used burner or transporter
	Used oil mixed with non-petroleum waste (e.g. solvent, chlorinated brake cleaner, anti-freeze)	YES	YES	Hazardous	Assume or Analysis	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			YES	Excluded	Analysis	Estimate gallons	No		Recycle	Used oil recycler
	Used oil transferred to other ODOT shop for space heater fuel	No	YES	Excluded	Knowledge	Estimate gallons	No	YES	Burned as heating fuel	Name of receiving yard and write "ORQ000021683" in the manifest column
	Used oil burned onsite in space heater	No	YES	Excluded	Knowledge	Estimate gallons	No	YES	Burned as heating fuel (annual note)	ODOT
Oily absorbent or disposable rags (not dripping)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station	

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	Empty drums or containers	No	No	Solid	Knowledge	NA	NA	No	Recycle, return to vendor, or trash	Scrap metal hauler, vendor, or landfill
5.14 Paint	Unusable or unwanted latex paint (dried or mixed with absorbent)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Recycled paint	No	No	Solid	Knowledge	NA	NA	No	Recycled	PaintCare® outlet (many paint and hardware stores)
	Non-architectural paint (i.e. bridge paint or automotive paint)(liquid or semi-solid)	YES	YES	Hazardous	Waste Profile	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Waste Profile	NA	NA	No	Trash	Landfill or transfer station
	Usable (but unwanted) paint that is returned, transferred, or sold	No	No	Not a waste	NA	NA	NA	No	Sale, transfer, or return to vendor	e-Bay, ODOT shop, or vendor
	Paint mixed with solvent or thinner	No	YES	Hazardous	Knowledge	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
	Used strainers, forms, or other disposable tools that are coated with hardened paint	No	No	Solid	Knowledge	NA	NA	No	Recycle or trash	Recycler or landfill
	Hardened paint	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Empty paint containers	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Paint booth filters	YES	YES	Hazardous	Assume or Analysis	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Analysis	NA	NA	No	Trash	Landfill or transfer station
	Unusable blasting grit (not used)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Media blasting waste	YES	YES	Hazardous	Assume or Analysis	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
No			Solid	Analysis	NA	NA	No	Trash	Landfill or transfer station	
5.15 Pavement Marking	Line flush of water-based paint mixed with water	No	No	Solid	Knowledge	NA	NA	No	Sanitary sewer (sewage agency may require testing)	
	Water-based traffic line paint that has been dried out or mixed with absorbent	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station

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	Liquid or semi-solid traffic line product that contains MMA (e.g. Durastrip or Duraset)	No	YES	Hazardous	Waste Profile	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
	Unusable or unwanted, non-water-based paint (liquid or semi-solid)	YES	YES	Hazardous	Waste Profile	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Waste Profile	NA	NA	No	Trash	Landfill or transfer station
	Dried paint that has been chipped from legends and other equipment (Does not include striping grindings removed from the road)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Stripe grindings	See Section 5.18- Roadwaste								
	Used legends and other disposable tools	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Unwanted or unusable glass beads, markers, or other durable products	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
5.16 Pesticides	Pesticide and pesticide rinsate used as makeup water	No	No	Not a waste	NA	NA	NA	No	Application	ODOT
	Unwanted pesticides that are returned to the vendor or transferred to another crew	No	No	Not a waste	NA	NA	NA	No	transfer or return to vendor	ODOT shop, or vendor
	Out-dated or unusable pesticides	No	YES	Universal	Knowledge	Estimate gallons	No	YES	Incineration or HazWaste landfill	Waste pesticide or HazWaste hauler
	Pesticide saturated absorbent	No	YES	Universal	Knowledge	Estimate weight or amount	No	YES	Incineration or HazWaste landfill	Universal waste or HazWaste hauler
	Empty pesticide containers including clean, refillable containers	No	No	Solid	Knowledge	NA	NA	No	Recycle, return to vendor, or trash	Recycler, vendor, or landfill
5.17 Propane	Refillable cylinders (full, partially full, or empty) that are returned to the vendor	No	No	Not a waste	NA	NA	NA	No	Return to vendor	Vendor

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	Refillable cylinders (full, partially full, or empty) that are <u>not</u> returned to vendor	No	YES	Hazardous	Knowledge	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
	Non-refillable (1-pound) empty propane cylinders	No	YES	Hazardous	Knowledge	Weight in pounds	YES	YES	Trash	Landfill or transfer station
Roadwaste 5.18	Abandoned unknown, potentially hazardous waste and drug lab waste	Have picked up by HazWaste Company	No	NA	NA	NA	NA	No	ODOT arranges for pickup and disposal of abandoned potentially hazardous waste	
	Asphalt grindings used as asphalt, aggregate, or fill (including asphalt with striping when the stripe has been removed with the asphalt)	No	No	Not a waste	NA	NA	NA	No	Application	ODOT, contractor, or private landowner (limited)
	Asphalt grindings that are not used as asphalt, aggregate, or fill	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill
	Blood contaminated waste (placed in a puncture resistant container)	No	No	Bio-waste	Knowledge	NA	NA	No	Business or agency that accepts bio-waste (i.e. paramedic, fire, hospital, or clinic) Also accepted at some landfills	
	Computers, monitors, and televisions that are sent to an e-waste recycler	No	No	Exempt	Knowledge	NA	NA	No	Recycle	e-waste recycler
	Computers, monitors, and televisions that aren't recycled	No	No	Hazardous	Knowledge	NA	NA	No	Incineration or HazWaste landfill	HazWaste hauler
	Ditching, sanding rock, and sweepings that will be used as fill (after screening for visible litter)	No	No	Not a waste	NA	NA	NA	No	ODOT Application (Sampling and DEQ permit may be required)	
	Ditching and sweepings that will NOT be used as fill	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Green waste (e.g. branches, brush or grass)	No	No	Solid	Knowledge	NA	NA	No	Recycle, burn, compost, or trash	ODOT, wood recycler, composter, or landfill
	Green waste from diseased brush and cuttings	No	No	Solid	Knowledge	NA	NA	No	Coordinate with Dept of Agriculture, USFS, or ODF	

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	Hot loads ¹ (e.g. petroleum odors or from industrial area) for disposal	YES	Yes	Hazardous	Analysis	Weight in pounds	No	Yes	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Analysis	NA	NA	No	Landfill	Landfill permitted to accept petroleum contaminated soil.
	Large lead acid (equipment) batteries that are returned for recycling	No	No	Universal	Knowledge	NA	NA	No	Recycle	Battery retailer or recycler
	Large lead acid (equipment) batteries that are thrown in the trash	No	No	Hazardous	Knowledge	NA	NA	No	Recycle	Battery retailer or recycler
	Litter and trash	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Road kill that is dragged and dropped	No	No	Not a waste	NA	NA	NA	No	Refer to the Maintenance Guide for workplace guidelines	
	Road kill that is composted or incinerated	No	No	Solid	Knowledge	NA	NA	No	Land-use approval and DEQ permit may be required. May partner with municipalities or other agencies	
	Rubber (i.e. tire pieces)	No	No	Solid	Knowledge	NA	NA	No	Recycle or Trash	Rubber recycler, tire retailer, or landfill
	Slide debris that will be used as clean fill	No	No	Not a waste	NA	NA	NA	No	Contact REC for approval of disposal site and possible DSL permits Give-away Program (limited)	
	Striping grindings (when the stripe has been removed separately from paving)	YES	Yes	Hazardous	Assume or Analysis	Weight in pounds	No	No	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Analysis	NA	NA	No	Local Landfill or transfer station	
	Syringe, needles, and blood contaminated waste (placed in a puncture resistant container)	No	No	Bio-waste	Knowledge	NA	NA	No	Business or agency that accepts bio-waste (i.e. paramedic, fire, hospital, or clinic) Also accepted at some landfills	
	Whole tires that have been cut in half	No	No	Solid	Knowledge	NA	NA	No	Recycle or Trash	Rubber recycler, tire retailer, or landfill
Urine containers	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station	

¹ Hot Loads refers to any slide debris, ditching, street sweeping, or vactor waste that is known or suspected to contain high levels of contamination (e.g. known spill location, adjacent gas station, odd odors, or visible oil). Hot loads must be evaluated prior to use as fill regardless of ADT.

EMS Waste Cheat Sheet

EMS Tab	Description of Waste	Is Additional Waste Characterization Needed? ¹	Waste Generation Log (Columns match EMS Log)				Waste Disposal Log (Columns match EMS Log ²)			
			Track on the Log	Type of Waste	Method of Characterization	Monthly Generation	Add to Monthly Total "Hazardous"	Track on the Log	Method of Disposal	Disposal Company
	Vactor waste liquid (including wash rack sumps)	No	No	Sewage	Knowledge	NA	NA	No	Sanitary sewer (testing may be require by sewage agency)	
	Vactor waste solid (including wash rack sumps)	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill permitted to accept petroleum contaminated soil.
	Winter sand/gravel picked up and reused for road sanding (screened for visible litter)	No	No	Not a waste	NA	NA	NA	No	Trash must be removed and may require additional screening to meet sanding rock size specifications (limited)	
	Woody debris (e.g. branches, brush or grass)	No	No	Solid	Knowledge	NA	NA	No	Recycle, burn, compost or trash	Wood recycler, composter, or landfill
	Woody debris used on fish restoration projects	No	No	Not a waste	NA	NA	NA	NA	Coordinate with ODFW	
	White goods (e.g. appliances)	No	No	Solid	Knowledge	NA	NA	No	Recycle	Scrap metal hauler or transfer stations
5.19 Solvent	Used bio-solvent, citrus solvent, or other 'green' solvent including solvents from bio parts washers	YES	YES	Hazardous	Assume or Analysis	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Analysis	NA	NA	No	Trash	Landfill or transfer station
	Used solvent poured into a collection drum	YES	YES	Hazardous	Assume or Analysis	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Analysis	NA	NA	No	Trash	Landfill or transfer station
	Used solvent placed <u>immediately</u> into a distillation unit	No	YES	Hazardous	Knowledge	Residue Weight in pounds	Residue only	YES	Distillation	ODOT
	Sludge (still bottoms) from solvent distillation units	No	YES	Hazardous	Knowledge	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
	Unwanted solvent that can be returned, transferred or sold as surplus property (unopened containers with MSDS)	No	No	Not a waste	NA	NA	NA	No	Sale, transfer, or return to vendor	e-Bay, ODOT shop, or vendor
	Used solvent and sludge from solvent parts washers	YES	YES	Hazardous	Assume or Analysis	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
			No	Solid	Analysis	NA	NA	No	Trash	Landfill or transfer station
	Water and sludge from water-based parts washers	YES	YES	Hazardous	Assume or Analysis	Weight in pounds	YES	YES	Incineration or HazWaste landfill	HazWaste hauler
No			Solid	Analysis	NA	NA	No	Trash	Landfill or transfer station	

EMS Waste Cheat Sheet

EMS Tab	Description of Waste	Is Additional Waste Characterization Needed? ¹	Waste Generation Log (Columns match EMS Log)					Waste Disposal Log (Columns match EMS Log ²)		
			Track on the Log	Type of Waste	Method of Characterization	Monthly Generation	Add to Monthly Total "Hazardous"	Track on the Log	Method of Disposal	Disposal Company
5.20 Treated Timber	Timbers that are reused or transferred to Surplus for sale	No	No	Not a waste	Knowledge	NA	NA	No	Reuse or resale	Right-of-way or Surplus Property
	Unusable timbers or pieces	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or hog fuel burner
5.21 Winter Maintenance	Off-spec deicers that can be returned to the vendor	No	No	Not a waste	NA	NA	NA	No	Return to vendor	Vendor
	Unusable deicing products (e.g. tank residue). Landfills can not accept free liquids unless they are in small containers.	No	No	Solid	Knowledge	NA	NA	No	Trash	Landfill or transfer station
	Tanks in poor condition (unusable)	No	No	Solid	Knowledge	NA	NA	No	Recycle or trash	Recycler, landfill, or transfer station
	Unwanted tanks that are in good condition (transferred to ODOT Surplus or another crew)	No	No	Not a waste	NA	NA	NA	No	Sale or transfer	ODOT Surplus or crew