

VAMHCS Environmental Control Risk Assessment (aka, the “NEPA Checklist”)

AIR & RADIATION MANAGEMENT			
Criteria	YES	NO	Notes
Does the project involve the addition or alteration of any small or medium sized fuel burning equipment or stationary gasoline tanks?			<ul style="list-style-type: none"> State permit to construct may be required along with new source review (NSR) application. Permit to Operate and/or Title V permit required for large fuel burning equipment. <p><i>Consult Safety Department for further guidance</i></p>
Does the project involve the addition or alteration of any incinerators, large fuel burning equipment, or paint spray booths?			<ul style="list-style-type: none"> Air quality specific permit to construct may be required along with new source review application. Permit to Operate and/or Title V permit required for large fuel burning equipment. <p><i>Consult Safety Department for further guidance</i></p>
<p><u>Have asbestos and lead hazards been identified?</u></p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Even if no asbestos, use Form in 40 CFR 61.145, Figure 3, Notification of Demo and Renovation. COPY FURNISH ROB JOHNSON.</p> </div>			<ul style="list-style-type: none"> <u>To comply with EPA NESHAPS requirements, sampling of building materials must be conducted during design phase to establish if abatement is necessary.</u> <u>NESHAPS regulations require 10 day notification to the EPA for all demolition work.</u> <u>Acopy of bulk sampling must be submitted to Rob Johnson</u> <p><i>Consult Safety Department for further guidance</i></p>
Does this project involve asbestos abatement and removal?			<ul style="list-style-type: none"> Plans must be submitted to <u>Rob Johnson</u> identifying walls scheduled to be removed and including plans for containment walls, path of waste removal, exhaust ports for isolated areas. <u>A report of area sampling must be kept in the project file and a copy must be submitted to Rob Johnson.</u> <u>A copy of a complete manifest for asbestos waste disposal must be kept in the project file and a copy must submitted to Jen Dallaire</u> <u>Asbestos abatement must be performed by MDE licensed abatement contractors.</u>

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<p>Does this project involve the dismantlement or removal of chillers, freezers, refrigerators, water fountains, vending machines or any other equipment containing ozone depleting refrigerants?</p>			<ul style="list-style-type: none"> • Proper recovery of refrigerant from equipment is required by an MDE certified technician (<i>copy of certification should be kept in project file</i>) using approved recovery equipment. • Documentation should be provided to verify that refrigerants were properly removed prior to scrapping the equipment. • <i>Copy should be kept in project files.</i>
<p>Does this project involve the addition, removal, or alteration of any x-ray tubes or radiation machines?</p>			<p><i>Consult Radiation Safety Officer: Oscar James</i></p>
WATER MANAGEMENT			
Criteria	YES	NO	Notes
<p>Does this project involve the installation or major modification of water supply and/or sewerage systems including: treatment plants, pumping stations, major water mains (diameter >15”), gravity sewer lines (>15” diameter), force mains, or septic tank systems in which a force main and pumping station are included?</p> <ul style="list-style-type: none"> • Installation of minor equipment such as meters, valves, or hydrants are not considered major modifications. 			<ul style="list-style-type: none"> • MDE Water and Sewerage Construction permit may be needed for large jobs. <p><i>Consult Safety Department for further guidance.</i></p>
<p>Will this project disturb more than 5,000 square feet of soil or involve the excavation of 100 cubic yards or more of land?</p>			<ul style="list-style-type: none"> • Storm water Management Plan / Erosion and sediment control plan may be required for projects which disturb > 5,000 square feet. • Waivers available <p><i>Consult Safety Department for further guidance.</i></p>
<p>Will this project disturb more than 1 acre (43,560 square feet) of land?</p>			<ul style="list-style-type: none"> • General permit to construct may be required in addition to the storm water / erosion control plan. • Waivers available <p><i>Consult Safety Department for further guidance.</i></p>

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<p>Will this project take place in 100 or 500 year floodplains and/or disturb coastal zone management areas or critical environmental wetland areas?</p>			
<p>Will the project be within the Critical Area (within 1,000 feet of the Mean High Water Line)</p>			<ul style="list-style-type: none"> • Project will require a growth allocation request must be submitted to the Critical Area Commission • Contact Cecil County Planning and Zoning <p><i>Consult GEMS Coordinator for further guidance</i></p>
HAZARDOUS MATERIALS			
Criteria	YES	NO	Notes
<p>Does the project involve the removal or installation of any underground fuel storage tanks or aboveground fuel storage tanks?</p>			<ul style="list-style-type: none"> • Numerous requirements associated with the removal or installation of tanks. <p><i>Consult Safety Department for further guidance.</i></p>
<p>Does this project involve demolition of structures containing lead paint, lead piping, or soldering?</p>			<ul style="list-style-type: none"> • Lead abatement must be done by an MDE accredited contractor. Obtain copy of accreditation and maintain in projects files. • Initial sampling of the area should be done prior to beginning work. • All OSHA and EPA standards for lead abatement and disposal must be followed. • A copy of a complete manifest for waste disposal should be maintained by the project engineer and submitted to Jen Dallaire or Rob Johnson.
<p>Does the project involve the removal or handling of any mercury devices?</p> <p>Any control used for control of vacuum, pressure, fluid level, temperature or flow rate could contain mercury? Some common devices include: Thermometers, manometers, pressure stats, gauges, float or level controls, load meters, supply relays, and phase splitters.</p>			<p>Devices which contain mercury should not be dismantled. Device should be bagged and sealed properly to prevent release. All devices containing mercury should be sent out for recycling or as hazardous waste at the expense of the contractor.</p> <p>Records of proper disposal should be submitted to the COTR and maintained in the projects file.</p>

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<p>Does the project involve the removal of sinks, particularly in research and clinical laboratory areas, clinical nursing units, or dental labs?</p>			<p>In a hospital setting, mercury is commonly found in sink traps. Proper caution and use of PPE should be practiced when dismantling sinks which may contain mercury. Material should be collected and properly disposed of or recycled at the expense of the contractor.</p> <p>Records of proper disposal should be submitted to the COTR and maintained in the projects file.</p>
<p>HAZARDOUS MATERIALS</p>			
<p>Criteria</p>	<p>YES</p>	<p>NO</p>	<p>Notes</p>
<p>Does the project involve the removal/disposal of florescent bulbs?</p>			<p>Florescent bulbs contain trace amounts of mercury. They may not be disposed of with demolition debris. If they will no longer be used, they must be sent out as universal waste for recycling at the expense of the contractor.</p> <p>Records of disposal or recycling should be submitted to the COTR. These records should remain in the projects file.</p>
<p>Does the project involve the removal or alteration of any transformers or capacitors?</p>			<p>Many electrical devices such as transformers and capacitors contain polychlorinated biphenyls, a family of chemicals which help the oils in the devices from breaking down at high temperatures. These chemicals are strictly regulated because of their toxicity.</p> <p>PCB wastes should be removed from VA property immediately and must be disposed of by an approved disposal contractor. Records of manifests and certificates of destruction should be submitted to the COTR and be maintained in the project file.</p>
<p>Are any hazardous chemicals expected to be stored on site in the construction area? **Most projects will involve the use of some type of hazardous material; contractor shall handle them accordingly</p>			<p>Any hazardous chemicals must be stored in accordance with Occupational Safety and Health Administration (OSHA), Environmental Protection Agency (EPA), and National Fire Protection Agency (NFPA) guidelines.</p>

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<p>Are any other hazardous wastes expected as a result of demolition or construction activities related to this project?</p> <ul style="list-style-type: none"> - Flammables, corrosive materials, reactive materials, compressed gases, or toxic materials? - Ex: excess chemicals, petroleum products <p>**All hazardous waste must be removed by the contractor at the end of the project from VA property. Contractors shall not leave hazardous materials on site after construction has been completed.</p>			<p>If Yes:</p> <p>Contractor should ensure all hazardous wastes are collected, stored, handled, and disposed of in accordance with State and Federal Environmental laws at the expense of the contractor.</p> <p>Contractor should submit a copy of manifests for any hazardous waste generated during the course of the project to the COTR. This should remain in VA projects files.</p>
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SOLID WASTE/ RECYCLING

Criteria	YES	NO	Notes
<p>Will this project incorporate recycling or reuse of any demolition debris?</p> <p>Items that may be reused include:</p> <ul style="list-style-type: none"> - Doors, door looks, lighting fixtures, electrical panels, breakers, sinks, toilets, plumbing fixtures, & accessories such as mirrors and towel dispensers. <p>Items that are encouraged to be recycled are:</p> <ul style="list-style-type: none"> - Concrete, asphalt, wood, stone, brick, asphalt shingles, gypsum wallboard, steel, copper, and other miscellaneous metals. <p>Any items that are to be reused or recycled should be logged on Attachment A by the project manager. At the conclusion of this project, the form shall be signed by the COTR with a copy given to the Environmental Coordinator for their records.</p>			<p>Use Attachment A to document any reuse or recycling.</p> <p>Master Specification 017419 Construction Waste Management must be used in ALL SOW's. The spec identifies materials that MUST be recycled or reused during construction and demolition projects. Additionally, EO 13514 requires that 30% of demolition debris be diverted from the solid waste stream by 2010 and 50% by 2015.</p> <p><i>PLEASE GIVE ALL WASTE and RECYCLING QUANTITIES TO JEN DALLAIRE, X5227 (PP) or Jennifer.dallaire@va.gov (Even if your contractor managed the waste)</i></p>

CULTURAL AND HISTORICAL IMPACT

Criteria	YES	NO	Notes
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<p>Would the project cause a substantial adverse change in the significance of a historical resource or landmark or archeological resource?</p> <p>Would the project disturb any human remains, including those interred outside of formal cemeteries?</p>			<p>Permit may be required or may require coordination with Historical Preservation Officer.</p> <p><i>Contact Safety Department.</i></p>
OTHER			
Criteria	YES	NO	NOTES
<p>Will the project disturb more than 40,000 square feet (approximately 1 acre) and is outside the limits of the Critical Area?</p>			<ul style="list-style-type: none"> • Required to submit a Forest Stand Delineation (FSD) and Forest Conservation Plan (FCP) <p><i>Contact GEMS Coordinator for further guidance</i></p>

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Check the following areas as they may apply to this project. In each box, indicate the severity of impact by marking:

S = Severe

M = Moderate

MI = Minimal

N = None



<u>Aesthetics</u>		<u>Transportation</u>	
Removal of Vegetation	<input type="text"/>	Alteration of Public Transportation	<input type="text"/>
Landscape Alteration	<input type="text"/>	Alteration of Facility Access Roads	<input type="text"/>
Open Space Altered	<input type="text"/>	Alteration of On-site Roads	<input type="text"/>
New Building Construction	<input type="text"/>	Construction of New Roads or Parking	<input type="text"/>
Building Restoration	<input type="text"/>		
Utility or service area development	<input type="text"/>	<u>Vegetation & Wildlife</u>	
<u>Community Services:</u>		Endangered species	<input type="text"/>
Alteration of Public Facilities	<input type="text"/>	Tree removal	<input type="text"/>
Alteration of Public Utilities	<input type="text"/>	Presence of Significant Wildlife	<input type="text"/>
		Exotic plants	<input type="text"/>
<u>Utility Systems</u>		<u>Noise</u>	
Water Supply	<input type="text"/>	Utility Source Generation	<input type="text"/>
Storm Water Drainage	<input type="text"/>	Traffic	<input type="text"/>
Sewer Drainage	<input type="text"/>	Construction	<input type="text"/>
Water Treatment	<input type="text"/>	Operational	<input type="text"/>
Excavation	<input type="text"/>	Vibration	<input type="text"/>
Gas Distribution Lines	<input type="text"/>	<u>Indicate:</u>	
Steam Distribution Lines	<input type="text"/>	-	
		Long Term	<input type="text"/>
		Short Term	<input type="text"/>

