
	<p>STANDARD OPERATING PROCEDURE DEPARTMENT OF PUBLIC WORKS</p> <p>PROGRAM: Vacuum Truck Operations</p>		<p>ISSUE DATE: 11/24/2021</p>
<p>APPROVED BY:</p> <hr/> Public Works Director			
<p>PERMIT REQUIREMENT:</p> <p>4.2.6.4.6 Stormwater system cleaning program includes cleaning inlets, manholes and stormwater pipes.</p>		<p>TARGETED POLLUTANTS:</p> <p>Sediment Nutrients Heavy Metals Toxic Materials Organics Oil & Grease Floatables</p>	
<p>General: THIS SOP IS NOT EXPECTED TO COVER ALL NECESSARY PROCEDURE ACTIONS. OPERATORS ARE ALLOWED TO ADAPT SOPS TO UNIQUE SITE CONDITIONS IN GOOD JUDGMENT WHEN IT IS NECESSARY FOR SAFETY, AND THE PROPER, AND EFFECTIVE CONTAINMENT OF POLLUTANTS. HOWEVER, ANY CHANGES OF ROUTINE OPERATIONS MUST BE AMENDED IN THIS SOP.</p> <p>1. PURPOSE AND SELECTION:</p> <ol style="list-style-type: none"> Reduce stormwater pollution by removing target pollutants from stormwater inlets, manholes, and pipes. Inlets collect a number of substances, such as trash, sediments, organics, hydrocarbons, oil and grease, and heavy metals that can enter receiving waters through stormwater runoff or non-stormwater discharges. <p>2. PROCEDURE:</p> <ol style="list-style-type: none"> Inspect for hazardous waste Minor amounts of petroleum waste: <ol style="list-style-type: none"> Contact supervisor and SLVHD when illegal dumping is suspect Apply sorbent material(B-WH-144 or Y Pillow1818, beware of detergents which will reduce sorbent effectiveness) Major amounts of petroleum waste: <ol style="list-style-type: none"> Contact supervisor and SLVHD when illegal dumping is suspect Schedule hazardous waste removal contractor; Select from Utah Registered Hazardous Waste Handlers Lists <ul style="list-style-type: none"> http://www.superfund.utah.gov/docs/resource.pdf Registered SLVHD liquid waste haulers.xlsx Hazardous or unknown waste (Do not vacuum hazardous waste). 			



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1. Emergency HAZMAT 911 and SLVHD: Emergency constitutes flowing uncontained waste.
 2. Emergency SLVHD 580-6681: Emergency constitutes potential for waste to be carried by water.
 3. Non Emergency SLVHD 801-313-6700: Not exposed to water and no immediate threat to stormwater
 3. Schedule hazardous waste removal contractor; Select from Utah Registered Hazardous Waste Handlers Lists
 - <http://www.superfund.utah.gov/docs/resource.pdf>
 - Registered SLVHD liquid waste haulers.xlsx
- c) Inspect for need:
1. Remove large loose debris and sorbent materials with hand tools. Do not enter MH.
 2. Focus on systems where box sump or pipe contains 2" or more of sediment and debris.

4. DISPOSAL PROCEDURE:

- a) Vacuum (small quantity): Discharge liquids to washbay and solids to sweeper dewatering bin.
- b) Dispose of PW waste consisting of mostly sediment at approved disposal locations. See dump facility sheet.
- c) Dispose of waste consisting of high organic and inorganic trash at approved disposal facilities. See dump facility sheet.
- d) Disposal of hazardous waste
 1. Amounts with quantities that can be pumped at:
 - Contract a Utah Registered Hazardous Waste Handler
 2. De minimis amounts (amounts that can be absorbed with sorbents)
 - Spent sorbents may be disposed in our covered dumpsters and waste bay when it is changed to dry material, i.e. sorbent material that does not drip liquid.
 3. Caution: review MSDS sheets and follow the specific disposal requirements
 - Hazardous material may be stored in yellow hazardous waste bin, labeled 5gal plastic buckets with lids or as specified by MSDS sheets.
- e) Disposal of slurry
 - Trans Jordan Landfill does not accept liquid loads. <http://www.transjordan.org/>
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5. VACUUM FREQUENCY- STREET SYSTEMS:

- a) Operate the vacuum per vacuum schedule document

6. VACUUM FREQUENCY-SHOP YARDS SYSTEMS:

- a) Vacuum Public works yard per vacuum schedule document

7. DOCUMENTATION:

- a) Record in the jet truck operation in iworqs under the SWD-Jet Truck problem code and identify the reporting party with the following convention words: Public, Administration, or the City Departments and Divisions how they are listed on the City webpage. You may add following this convention work, the person. **Create a node and add a work order number to it?????**
- b) Training Log: S:\Stormwater\SWMP WORKING DOCUMENTS\Training\Training Video
- c) Hazardous Waste:
 1. Found in manholes, catchbasins, and pipes:
 - Contact Supervisor - File spill report - Record in Vacuum Log. Contact SLVHD when illegal dumping is suspect.



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2. Found in oil/water separators: Record in Vacuum Log.

9. DIVISION:

- a) Stormwater

10. LICENSE AND CERTIFICATIONS:

- a) Class B license with tanker endorsement.

11. TRAINING:

- a) Train employees 1/Year and at hire.
- b) Education material: Public Works Training Module Shop Facilities No. 101
- c) Current copy of the SOP should be carried with the vacuum.

12. SPECIALTY EQUIPMENT:

- a) Vactor 2100 Series; see inventory
- b) Hand fork and javelin
- c) 24' pole with two retrieval attachments

13. CREW:

- a) 2 man crew
- b) Operator levels. I-III

14. SAFETY:

- a) Recognize pedestrians and check all blind spot before moving.
- b) Use TTC devices on all roadway and pedestrian systems in accordance to the MUTCD.
- c) Never leave unsecured work site unattended and ensure hazards are safe prior to leaving.

15. PERSONAL PROTECTIVE EQUIPMENT:


- a) Safety glasses
- b) Safety shoes
- c) Ear protection
- d) Gloves
- e) Coveralls (optional)
- f) Safety Vest

16. SPECIALTY EQUIPMENT:

- a) 24' pole,
Attachments: Claw, Hook

17. VACUUM TRUCK CAPABILITIES:

- a) Current hose length: 447 feet
- b) Jet truck capability basis for design
 - 400' standard jet hose reach
 - 7' horizontal tube reach front access from front bumper
 - 15' horizontal tube reach side access from truck tires

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<ul style="list-style-type: none"> • 16' vertical tube reach(expandable) <p>17. INFRASTRUCTURE DESIGN AND MAINTENANCE EXPECTATIONS:</p> <ol style="list-style-type: none"> a) Pipe and drainage conduit must be assessable by jet hose b) Entire underground storage volume must be assessable by 8" vacuum tube. c) For spill recovery purposes no storage volume is allowed in areas inaccessible to the vacuum truck 8" vacuum tube. <p>19. GoPro CAMERA FOR PERMIT ENTRY CONFINED SPACE.</p> <ol style="list-style-type: none"> a) Pipe Download Capture App on smart phone or tablet b) Sign in using rivertonstormwater@gmail.com Password 5t0rm/wat3r. c) Once logged in there is a guide to connect camera to the device you are using. d) Download info on to the desktop after you have completed your task with the camera memory needs to be clean for the next uses e) DO NOT enter any storm drain system without the confined space equipment. 			