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| **Project Name:** |  | **Date:** |  |
| **Engineer Name:** |  | **AK P.E. License No.:** |  |
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| This checklist is required for all water haul vehicles used as part of a public water system. If allowed by the reviewing engineer during plan review and depending on staff availability and logistics, a vehicle inspection by DEC engineering staff may be conducted for approval to operate in lieu of as-built or record drawings. To request an inspection, contact the reviewing DEC office.  **Note:** When completing this checklist, please answer the question and also include where in the submittal detailed information is found for each submittal requirement. Please be as specific as possible (specify document name, page number, section number, paragraph, etc.). This will accelerate the review process. | | | |

| **Submittal Requirements** | ***Regulatory Reference*** |
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| 1. **Purpose of Haul Vehicle:** What type of water (raw, partially treated, or potable) will the haul vehicle transport as part of the public water system? | *18 AAC 80.220(a)* |
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| 1. **Source Water:** What is the name and PWSID of the water supplier for potable water or name of the water source for raw water? **Note:** A water hauler transporting potable water must only obtain water from a public water system having DEC approval to operate and a system classification equal to or higher than the water hauler’s. | *18 AAC 80.310(e)* |
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| 1. **Haul Vehicle Markings:** Are specifications included for the location of markings (with respect to proximity of inlets and outlets) that include the PWSID and indicate “Potable Water Only” or other markings as appropriate to assure the water haul vehicle is used only by the public water system for the purpose and type of water covered by this request? | *18 AAC 80.220(e)*  *18 AAC 80.205(b)(9)* |
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| 1. **Vehicle Identification:** What is the vehicle’s unique water tank identification (i.e. serial number and volume) and describe its posted location on the vehicle? | *18 AAC 80.200* |
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| 1. **Design Documentation:** Do the plans and specifications for the water haul vehicle include a schematic drawing and make, model, and specifications for all drinking water system components including water tank, baffling, piping, valves, fittings, inlet and outlet configuration, water tank venting and screening, water pump and pump motor, flow meter, backflow prevention, on-board hosing, hose reel, overflows, drains, etc., as applicable? | *18 AAC 80.220(a)*  *18 AAC 80.205(a)(2)(F)*  *18 AAC 80.200(b)*  *18 AAC 80.030(b)* |
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| 1. **Previous Water Tank Use:** If the water tank is not new, what were its prior uses? If the water tank was previously used for any non-potable water application, what is the proposed cleaning/conditioning procedure to prepare the water tank for use as part of a public water system? | *18 AAC 80.205(b)(9)*  *18 AAC 80.220* |
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| 1. **Water Tank Openings:** Does the design information show water tank hatches, inlets, outlets, and other openings (with the exception of vents) have tight fitting seals/covers when they are closed? | *40 CFR 141.714*  *40 CFR 141.511* |
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| 1. **Vents:** Does the design information show the vent location directed away from engine exhaust, faced downward, screened, and designed to minimize icing? If the vent will be unscreened during winter conditions, what design is proposed for the vent opening to protect the water in the tank? | *18 AAC 80.205(b)(9)* |
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| 1. **Water Pump and Pump Motor:** Do the specifications for the pump include the pump and motor make, model, and pump curve? | *18 AAC 80.205(a)(2)&(4)*  *18 AAC 80.030(b)* |
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| 1. **Cabinets (Pump-boxes/Dog-boxes):** Does the design information show that cabinets which house valves, inlets, outlets, hoses, hose reels, and fittings, etc., have a bottom drain or equivalent measure to prevent standing water from contaminating the parts housed there? | *18 AAC 80.025*  *18 AAC 80.220* |
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| 1. **Backflow Prevention:** How will the haul vehicle’s water tank be adequately protected from backflow during all normal operations (i.e. during delivery) and how will the source be protected from backflow while filling the water tank? | *18 AAC 80.025* |
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| 1. **Disinfection:** What standards will be used to clean, flush, disinfect, and sample the wetted components of the haul vehicle before it is put into service after construction? | *18 AAC 80.205(b)(9)* |
|  | *18 AAC 80.010(d)(2)* |
| 1. **Standard Operating Procedures (SOP):** Does theSOP manual submitted for the haul vehicle require the manual be located in the haul vehicle and at minimum does it address the following:    1. Sanitary Operation: Hose storage and handling, system cleaning, flushing, disinfection, and sampling procedures, and routine maintenance and inspection schedules    2. Record Keeping: A dated log to record activities such as maintenance, inspections, cleaning / disinfection, sampling, filling, and hauling and other information such as sources used, fill volumes, delivery locations, and delivery volumes    3. Cross-connection Prevention: Cross-connection prevention in the full range of operating conditions and configurations expected (At a minimum this should incorporate a double check valve for side or bottom filling or an air gap for top filling of either the haul vehicle’s or delivery location’s water tank.) | *18 AAC 80.025*  *18 AAC 80.220*  *18 AAC 80.210(f)*  *18 AAC 80.005(a)(1)* |
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