

2025 Action Plan for Use of Liquid Anti-stripping Asphalt Additives on NS Department of Public Works Paving Projects

Model Safe Work Practices for Hot and Warm Mix Truckers

1. Read and follow the 2025 Action Plan that came with these Model Safe Work Practices.
2. Attend a Worker Information Session (may be a refresher session if previously trained) which will teach you about the 2025 Action Plan and discuss these Model Safe Work Practices. Be sure to keep your Attendance Certificate from the Worker Information Session in your truck. You may not be allowed to haul hot or warm mix containing liquid anti-stripping additive if you cannot produce this certificate. **Note that a certificate indicating that you were trained in a previous year will cover you for this year provided you have read a copy of the 2025 Action Plan.**
3. When assigned to a project, get specific information about that project from the Contractor's On-Site Representative.
4. Follow all manufacturer's instructions and existing Safe Work Practices and Safe Job Procedures for your truck, including regular servicing, preventive maintenance, repairs, pre-trip and post-trip inspections, load limits, etc.
5. Follow all existing Safe Work Practices and Safe Job Procedures for the job site, including traffic control, parking or loading restrictions, site access, etc.
6. Carry an approved respirator with organic vapour cartridges and dust pre-filters in your truck at all times:
 - must be NIOSH approved;
 - must be properly fitted for YOU (not your alternate driver). The safety equipment supplier can help with proper fitting;
 - inspect the respirator each day before using (all valves working, cartridges and dust pre-filters in place, clean, etc.);
 - replace respirator cartridges when they no longer remove the smell from the filtered air;
 - replace respirator dust pre-filters when it becomes hard to breathe air through the respirator or when they become loaded with dirt; and
 - remove the cartridges and filters and clean the body of the respirator after use (warm water and soap or alcohol swab on the rubber or neoprene surfaces) and store the respirator in a plastic bag or box so it does not get dirty.
7. Do whatever is practical in the circumstances to limit your exposure to smoke, asphalt fume or the vapour of the liquid anti-stripping asphalt additive from the production of the asphalt concrete at the hot or warm mix plant, including:
 - if possible, while waiting to be loaded, park away from the plume from the plant smoke stack;
 - if smoke from the plant smoke stack comes down to ground level because of plant location or wind patterns, try to stay in your truck cab with the windows up; and
 - if you cannot avoid the smoke from the smoke stack wear your respirator.

8. While loading at the mix plant load-out station, do whatever is practical in the circumstances to try to limit your exposure to smoke, asphalt fume or the vapour of the liquid anti-stripping asphalt additive from the mix being placed in your truck box, including:
 - if possible, stay in your truck cab with the windows up;
 - if you must be outside your truck cab, such as for load-out stations which require manual operation of the loading mechanism, wear your respirator; and
 - leave the load-out area as soon as possible.
9. When using tarpaulins, avoid exposure to asphalt fumes or liquid anti-stripping asphalt additive vapours, by taking the following precautions:
 - avoid the use of tarpaulins which require climbing on top of the load to deploy. Install a motorized or hand crank system which can be operated from the side of the truck;
 - when you must deploy your tarpaulin, use the crank system. Do not climb on top of the load of hot or warm mix asphalt (burn hazard as well as exposure to asphalt fumes and vapours of the liquid anti-stripping asphalt additive); and
 - if you must climb on the back or side of the truck to adjust the tarpaulin, wear heavy clothes, heavy gloves, and use your respirator.
10. When waiting to unload, as much as possible avoid exposure to asphalt fumes or vapours of the liquid anti-stripping asphalt additive, including:
 - stay in your truck cab;
 - if you are located down-wind from the paving operation and you can smell the asphalt fumes or vapours of the liquid anti-stripping asphalt additive, keep your windows rolled up;
 - only roll your windows down when you are in an area of clean air, such as up wind from the paving operation; and
 - if you leave your truck cab, do not stand down-wind from the paving operation.
11. When unloading the hot or warm mix into the asphalt spreader or shuttle buggy, avoid exposure to asphalt fumes or the vapours of the liquid anti-stripping asphalt additive, including:
 - if possible, stay in your truck with the windows rolled up; and
 - if necessary to roll up your tarpaulin, stay at the side of your truck and use the crank system.
12. Any time you feel irritation or burning in your throat or chest or experience a headache or nausea from exposure to asphalt fumes or the vapours of the liquid anti-stripping asphalt additive, you should wear your respirator.
13. If you find that you frequently need to wear your respirator, you should see your safety supplier about a getting a qualitative or quantitative fit test to ensure that it fits properly and is giving you good protection.
14. Any time that you feel your have been adversely affected by exposure to liquid anti-stripping asphalt additive or feel you must seek medical attention, one of the On-Site Representatives (contractor or NSDPW) should be notified.