

Hi-visibility apparel

SWP-075

1.0 Purpose

- 1.1 To provide guidelines for the proper use and care of high-visibility apparel.

2.0 Description

- 2.1 High-visibility safety apparel (HVSA) is clothing (e.g., vests, jackets, or coveralls) that workers can wear to improve how well they are seen in the workplace; in both well-illuminated and low-light/dark work conditions.
- 2.2 HVSA is most often worn to alert drivers and other vehicle operators of a worker's presence, especially in low light and dark conditions.
- 2.3 High-visibility headwear (blaze orange¹) is part of the YEC minimum PPE requirement; and, is worn to increase the visibility of the worker in situations where part or all of the worker's body could be obscured (e.g., vehicles, vegetation, man-made obstructions etc.).

3.0 Guidelines

- 3.1 HVSA is required when:
- Workers are exposed to hazards of moving vehicles and/or equipment;
 - Directing traffic;
 - There is a need to distinguish the worker in the workplace;
 - When identified as a requirement on a JSA; and,
 - (See Appendix A - Whitehorse Hydro Hi-visibility Zones):
 - HVSA is required when travelling on foot between all buildings at the Whitehorse Rapids Generating Facility; including, LNG Facility and Riverside Substation;
 - HVSA is not required when travelling on foot between: Electrical Maintenance and Drafting trailers; and, Electrical Maintenance and/or Drafting trailer and YEC Main Office.
- 3.2 HVSA must be in good, clean condition and provide the required protection for the work undertaken.
- 3.3 HVSA must be of a design, construction and material type appropriate to the protection required.
- 3.4 HVSA should meet the requirements outlined in CSA Z96; High-visibility safety apparel.
- 3.5 Wear HVSA as directed by the manufacturer.
- 3.6 HVSA must be compatible with other required personal protective equipment.
- 3.7 **Yukon Occupational Health and Safety Regulations requires the following:**
- **All HVSA to have an 'X' pattern on the back; and,**
 - **Trim (stripes) are both fluorescent and retro-reflective.**

¹ Exception is new YEC workers; green hard hat with adhesive reflective tape.

4.0 Hi-visibility classes (See Appendix B – HVSA Classes)

- 4.1 CSA Z96 lists three classes of garments based on body coverage provided.
- 4.2 Each class covers the torso (waist to neck) and/or limbs according to the minimum body coverage areas specified for each class.
 - **Class 1** provides the lowest recognized coverage and good visibility. Must consist of a basic harness or stripes/bands over the shoulder(s) and encircling the waist.
 - **Class 2** provides moderate body coverage and superior visibility, and more coverage than Class 1. Has full coverage of the upper torso (front, back, sides, and over the shoulders) and includes bib-style overalls.
 - **Class 3** provides the greatest body coverage and visibility under poor light conditions and at great distance.
Apparel meets the same requirements as Class 2 with the addition of bands around both arms and legs.

5.0 Fit

- 5.1 Follow manufacturer's instructions.
- 5.2 HVSA should be fitted to the individual and be comfortable to wear.
- 5.3 Consider the bulk of clothing that might be worn underneath the HVSA.
- 5.4 Wear HVSA properly (i.e., done up properly around the body, no loose or dangling components).
- 5.5 HVSA should sit correctly on your body and stay in place during your work.
- 5.6 HVSA must be worn:
 - As the outermost layer; and,
 - So that no other clothing or equipment covers the high-visibility materials (e.g., glove gauntlets, high boots, tool belts, straps, hoods etc.).

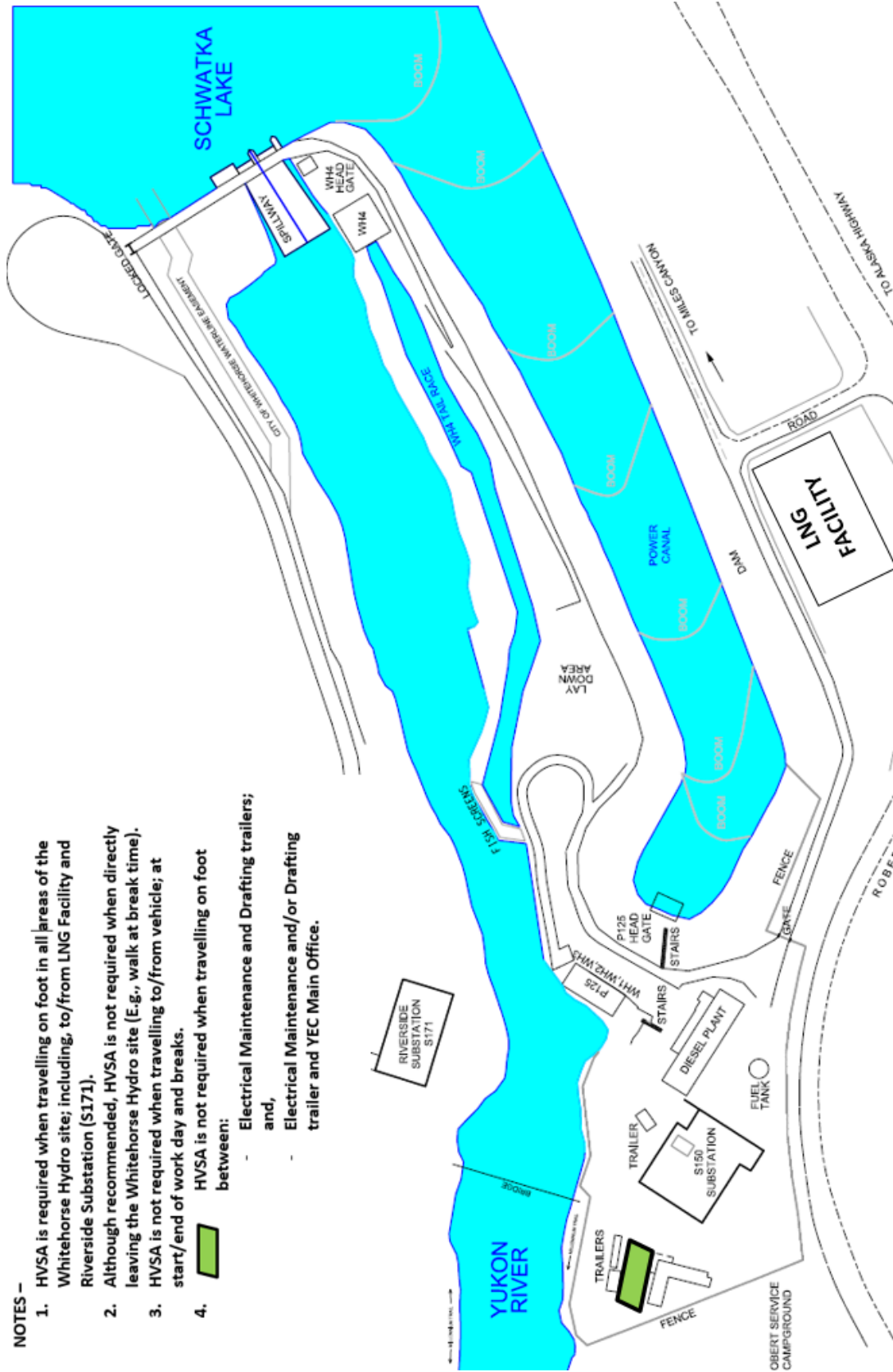
6.0 Care

- 6.1 Follow manufacturer's instructions.
- 6.2 Keep your HVSA clean and well-maintained. Contaminated and/or dirty HVSA provides lower visibility.
- 6.3 Replace HVSA that show signs of wear and tear, soiling, or contamination as it will no longer be able to provide acceptable levels of visibility.
- 6.4 Store hearing protection in a safe, clean, dry place when not in use.

7.0 Reference documents

- Yukon OHS Regulations; Part 1 – General; 1.48, High Visibility Apparel.
- Canadian Centre for Occupational Health and Safety (CCOHS); High-Visibility Safety Apparel.

Appendix A – Whitehorse Hydro Hi-visibility zones

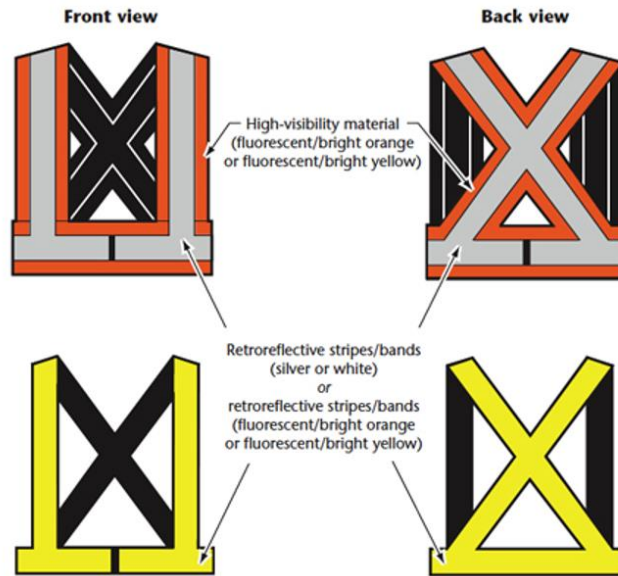


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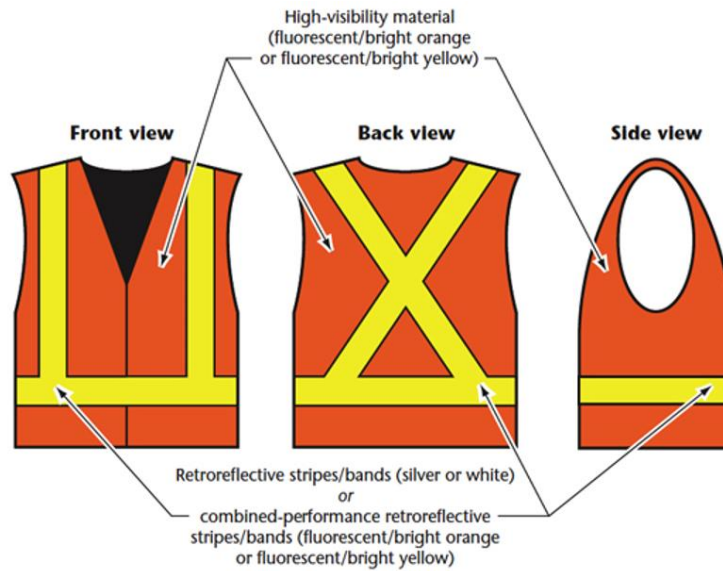
1. HVSA is required when travelling on foot in all areas of the Whitehorse Hydro site; including, to/from LNG Facility and Riverside Substation (S171).
2. Although recommended, HVSA is not required when directly leaving the Whitehorse Hydro site (E.g., walk at break time).
3. HVSA is not required when travelling to/from vehicle; at start/end of work day and breaks.
4. HVSA is not required when travelling on foot between:
 - Electrical Maintenance and Drafting trailers; and,
 - Electrical Maintenance and/or Drafting trailer and YEC Main Office.

Appendix B – HVSA Classes

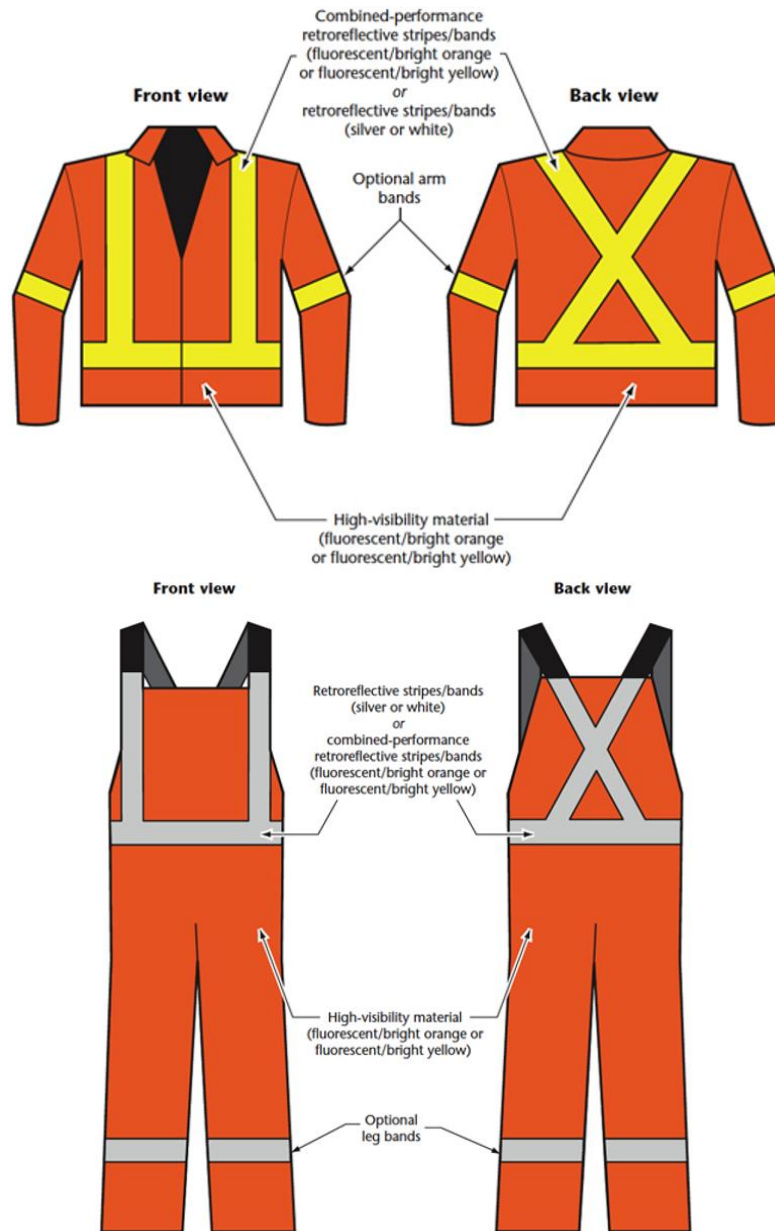
Class 1 HVSA



Class 2 HVSA



Class 3 HVSA



Class 3 HVSA (cont'd)

