

## Recommendations of the International Joint River Bodies for transshipment

### Definitions:

Transshipment can be seen as a connecting link between transport and storage. The "loading" sector refers to the stationary area during the process of loading and offloading of ships, trucks, or railway wagons.

- 1 Transshipment sites must be resistant to the expected mechanical stress and be sufficiently tight and resistant to spilled liquids. The organisational measures stipulated in the danger protection plan can also be considered when assessing whether the site of transshipment is sufficiently tight and resistant to the substances in question.
- 2 When loading and offloading with the aid of pipeline, automatic safety devices must be provided which can interrupt the flow of substances in case of an accident and thereby prevent the spillage of substances hazardous to water.
- 3 Spillage of substances hazardous to water must be detected in time.
- 4 Transshipment sites must have collecting facilities capable of accommodating the volumes of liquid that can escape until
  - - suitable measures or
  - - Automatic safety systems take effect.
- 5 Contaminated rainwater and fire fighting water resulting from an accident must not be discharged directly into the waters. It must be subjected to suitable treatment.
- 6 Transshipment sites must
  - - be clearly marked or labelled;
  - - be identified as a safety zone while transshipment is in progress.
- 7 Equipment suitable for immediate use must be kept ready at transshipment sites to prevent the spread of dangerous substances. Equipment for removing the substances is also necessary.
- 8 When loading and offloading inland waterway vessels, special care must be taken to observe the checklist under 151412 ADNR.
- 9 Transshipment of substances hazardous to water at the shore of a waterway should be avoided, especially in the case of new installations.
- 10 The contracting parties should stipulate that in cases of transshipment of dangerous goods the transshipment receptacles (e.g. containers) are clearly marked or labelled with appropriate danger symbols.