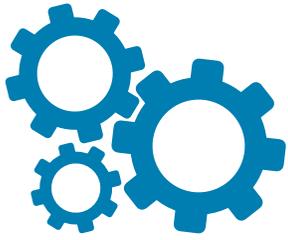


SPILL RESPONSE PROTOCOL

IS IT SAFE?
Your priority is to protect:
1. People
2. Environment
3. Property



- Check MSDS or other spill substance information
- What PPE is required?
- Is the site remote? How is the site accessed?
- Is H₂S present?
- Have all hazardous energy sources been identified and controlled?

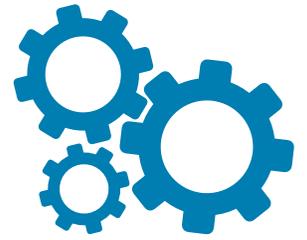
WHO SHOULD I NOTIFY?

- Company safety and environmental staff
- Regulatory Agencies
- Landowner(s) and/or Tenant(s)
- Law Enforcement

WHERE IS THE SPILL?

- On Land (public areas, sensitive ecosystems)
- On Land with a watercourse or waterbody nearby (creek, wetland, etc.)
- Into a watercourse or waterbody

WHAT DO I NEED? WHO CAN HELP?



- Equipment (vac truck or hydrovac unit, trackhoe or backhoe, etc.)
- Environmental Consultant
- Your local spill cooperative

MATRIX SOLUTIONS INC.
24-HOUR SPILL RESPONSE
1.877.774.5525 (1.877.SPILL25)

ENSURE SAFETY

Identify potential risks involved.

For example: from the released substance and within the working environment.

Secure the work area.

Set up signs and barriers to restrict access by people and wildlife.

ISOLATE AND CONTAIN THE SPILL

Isolate and remove the spill source.

For example: shut-in the well or pipeline.

Stop the flow of spill fluid.

Construct berms, use spill booms, absorbent material, etc.

IDENTIFY AND PROTECT POTENTIAL RECEPTORS

Identify receptors.

People, wildlife, watercourse or waterbody, vegetation, etc.

Block flow paths to receptors.

For example: construct berms or fences, use spill booms, absorbent material, set up wildlife deterrents, etc.

RECOVER FREE FLUIDS

Remove as much of the spill fluid or material as quickly as possible.

Cover areas that cannot be recovered quickly.

Cover with a tarp to prevent spread by environmental factors (precipitation).

CONTAIN AND MANAGE THE WASTE

Store recovered spill materials somewhere secure.

Tank, liner, berm, etc., to prevent secondary contamination.

Any form of short-term containment is better than none at all.

Ask your environmental staff for more information on regulatory requirements.

DOCUMENT THE SPILL AND WORK

Note site conditions and document clean-up efforts undertaken.

Draw a diagram.

Document and preserve all wildlife mortalities.

Take photographs and measurements of the spill area.

This information is invaluable to the environmental staff.

DON'T TAKE RISKS

Many spilled substances are highly volatile or pose other risks to human health and safety.

If you are unsure of the risks involved find someone who is familiar before proceeding with the clean-up.

DON'T CONCEAL OR COVER A SPILL

Attempting to conceal or cover a spill will only make clean-up more difficult and costly.

This can lead to more severe repercussions from regulatory agencies than from the spill itself (fines and/or jail time).

DON'T DILUTE OR FLUSH THE SPILL FLUID

These methods are sometimes valuable but can often increase the area affected by the spill.

The length of time for clean-up activities can also increase, which is more costly in the long run.

DON'T APPLY CHEMICAL AMENDMENTS

There are a wide range of products available that can be useful in spill response and remediation. However, if they are misused or overused those products can make the situation worse.

For example, chemical use within waterbodies affected by spill events is restricted to regulatory approved chemicals.



- 1 FORT ST. JOHN
- 2 GRANDE PRAIRIE
- 3 DRAYTON VALLEY
- 4 EDMONTON
- 5 CALGARY (HEAD OFFICE)
- 6 MEDICINE HAT
- 7 LLOYDMINSTER
- 8 COLD LAKE
- 9 KINDERSLEY
- 10 SWIFT CURRENT
- 11 SASKATOON
- 12 REGINA
- 13 WEYBURN
- 14 OXBOW
- 15 VIRDEN

BC

Fort St. John
11312 - 100 Ave.
Fort St. John, BC V1J 1Z9
Phone: 250.785.7833
Primary Spill Phone: 780.512-8444

ALBERTA

Calgary (main office)
600, 214 11 Ave. SW
Calgary, AB T2R 0K1
Phone: 403.237.0606

Cold Lake
611 Lakeshore Dr.
Cold Lake, AB T9M 1A2
Phone: 780.594.8103

Drayton Valley
4904 56 Street
Drayton Valley, AB T7A 1R8
Phone: 780.542.9148

Edmonton
200, 5083 Windermere Blvd. SW
Edmonton, AB T6W 0J5
Phone: 780.490.6830

Grande Prairie
200, 10123-156 Avenue
Grande Prairie, Alberta T8V 0P1
Phone: 780.532.9779
Primary Spill Phone: 780.512.8444

Medicine Hat
26 Boundary Rd.
Redcliff, AB T0J 2P0
Phone: 403.526.0650
Primary Spill Phone: 403.458.0270

SASKATCHEWAN

Kindersley
3A, 1319-11 Ave. W
Kindersley, SK S0L 1S0
Phone: 306.463.2190
Primary Spill Phone: 306.430.1186

Lloydminster
102A, 1625-50 Ave.
Lloydminster, SK S9V 2H3
Phone: 306.825.6900

Oxbow
874 Prospect Ave.
Oxbow, SK S0C 2B0
Phone: 306.483.2179
Primary Spill Phone: 306.861.7055

Regina
34A Great Plains Rd.
Emerald Park, SK S4L 1B7
Phone: 306.781.7750
Primary Spill Phone: 306.861.7055

Saskatoon
105C, 111 Research Drive
Saskatoon, Saskatchewan S7N 3R2
Phone: 306.222.0892

Swift Current
2, 505 North Service Rd. W
Swift Current, SK S9H 4X5
Phone: 306.773.3009
Primary Spill Phone: 306.774.3009

Weyburn
P.O. Box 279, 1780 Railway Ave.
Weyburn, SK S4H 2K1
Phone: 306.842.3088
Primary Spill Phone: 306.861.7055

MANITOBA

Virden
P.O. Box 121, Tiger Moth Rd.
Virden, MB R0M 2C0
Phone: 204.748.3256
Primary Spill Phone: 204.851.1704