PHOTOS FROM INSPECTION OF WATER LICENCE 2BE-GOO1015, JULY 8 2012

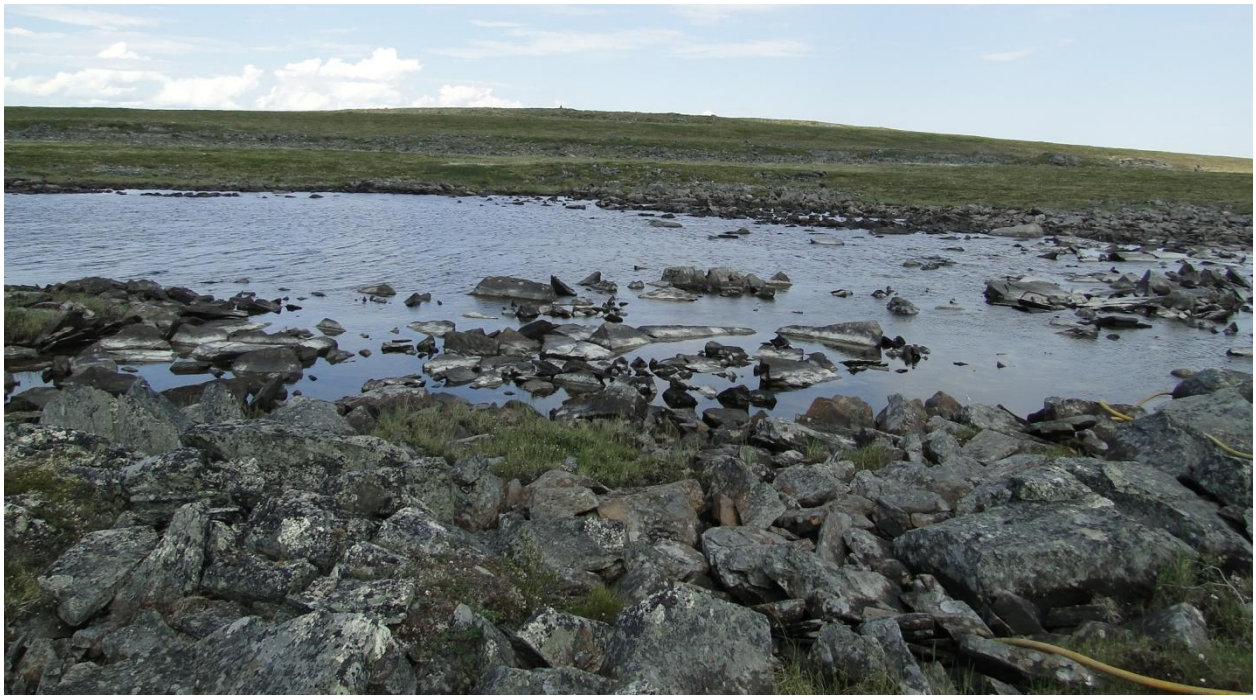

Figure 1. Shallow water body chosen for drill water showed draw-down.

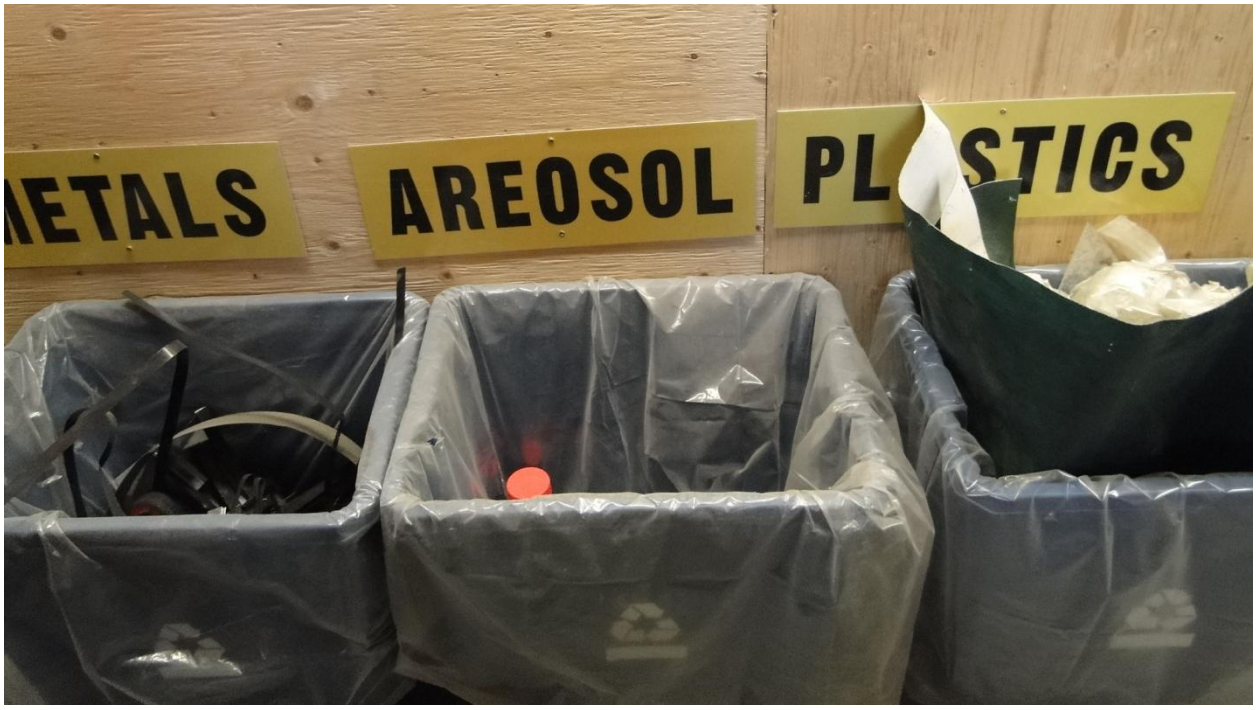

Figure 2. Waste sorting practices in place.

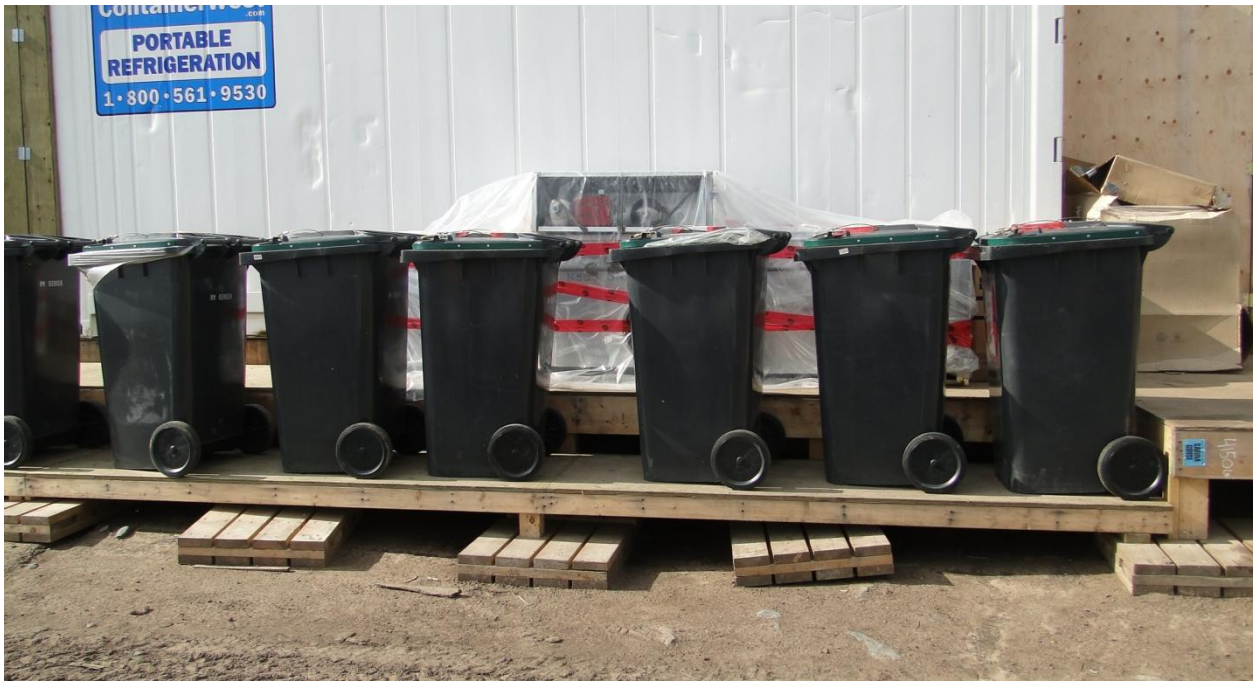

Figure 3. Bear proof containers for segregating waste.

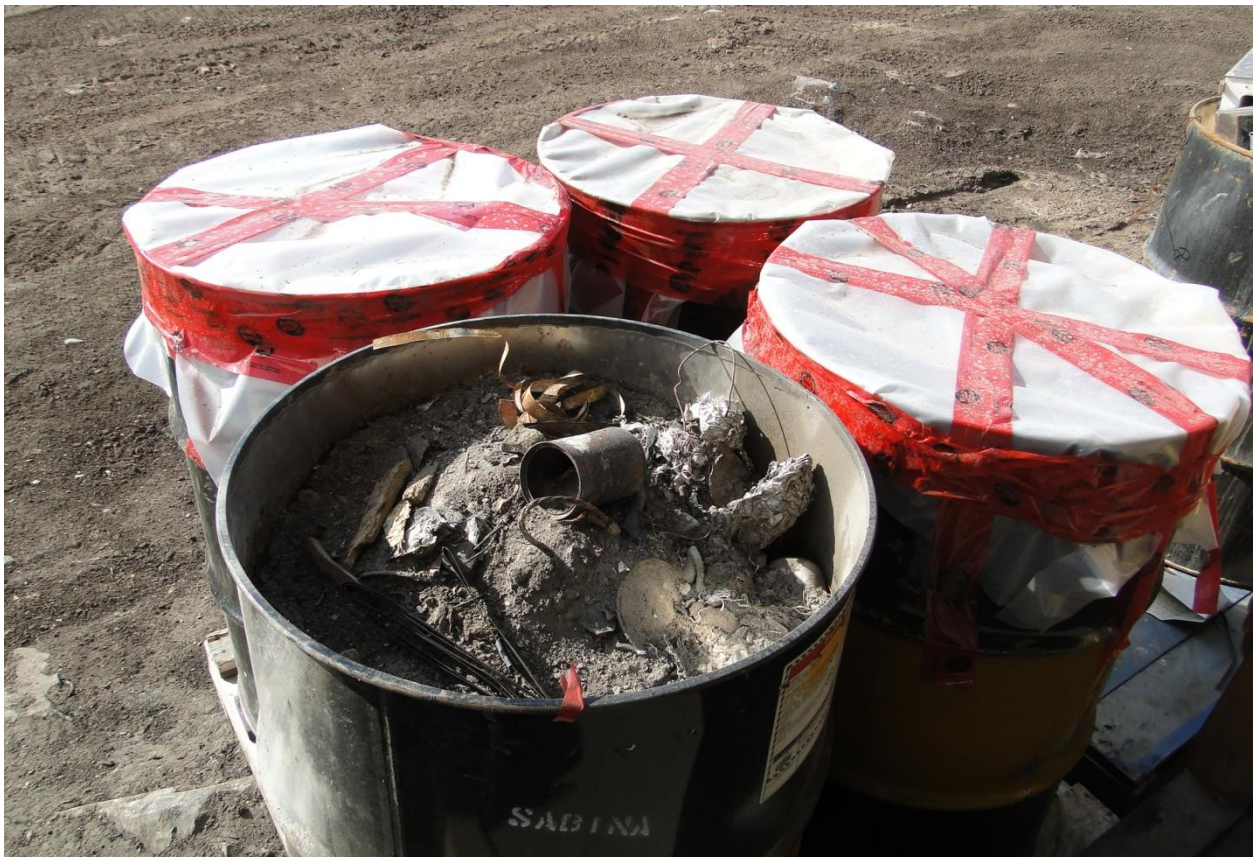

Figure 4. Metals and cable in incinerator ashes.

Figure 5. Waste oil barrel should have containment. Burn cage and stock of wood shown in background.

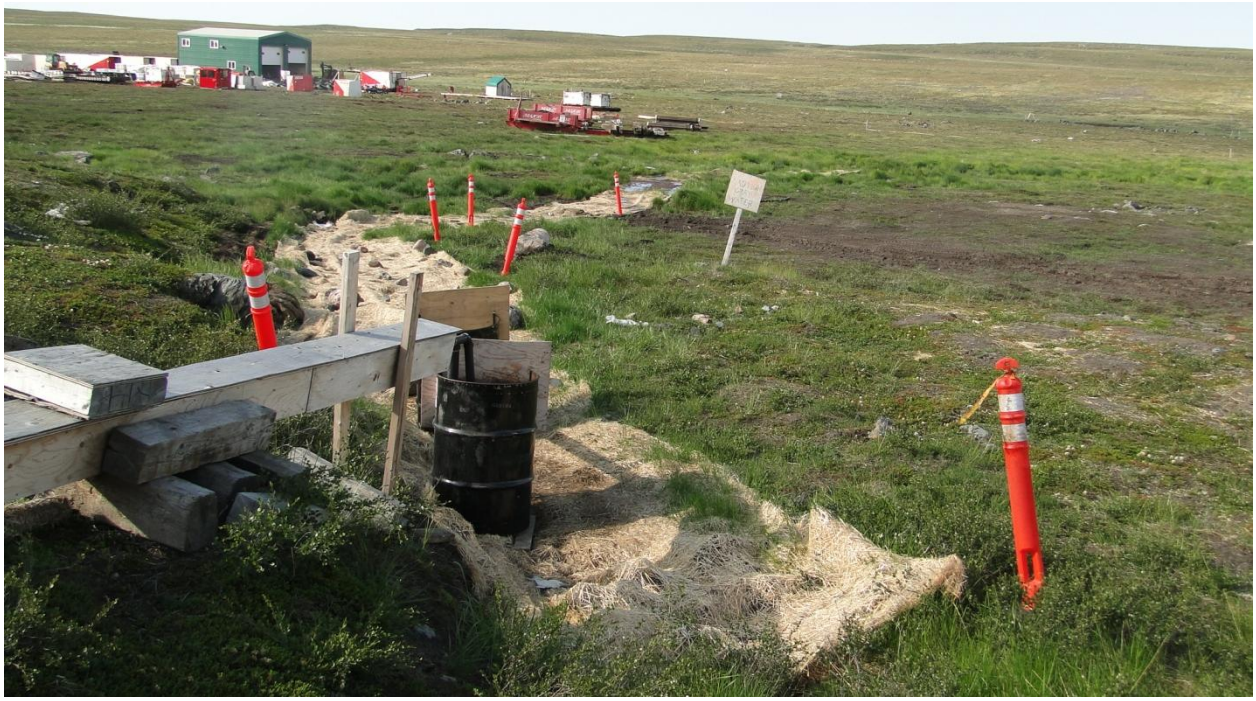

Figure 6. Grey water discharge - improvised grease traps and fibre matting to settle particles out. No defined depression to act as a sump.

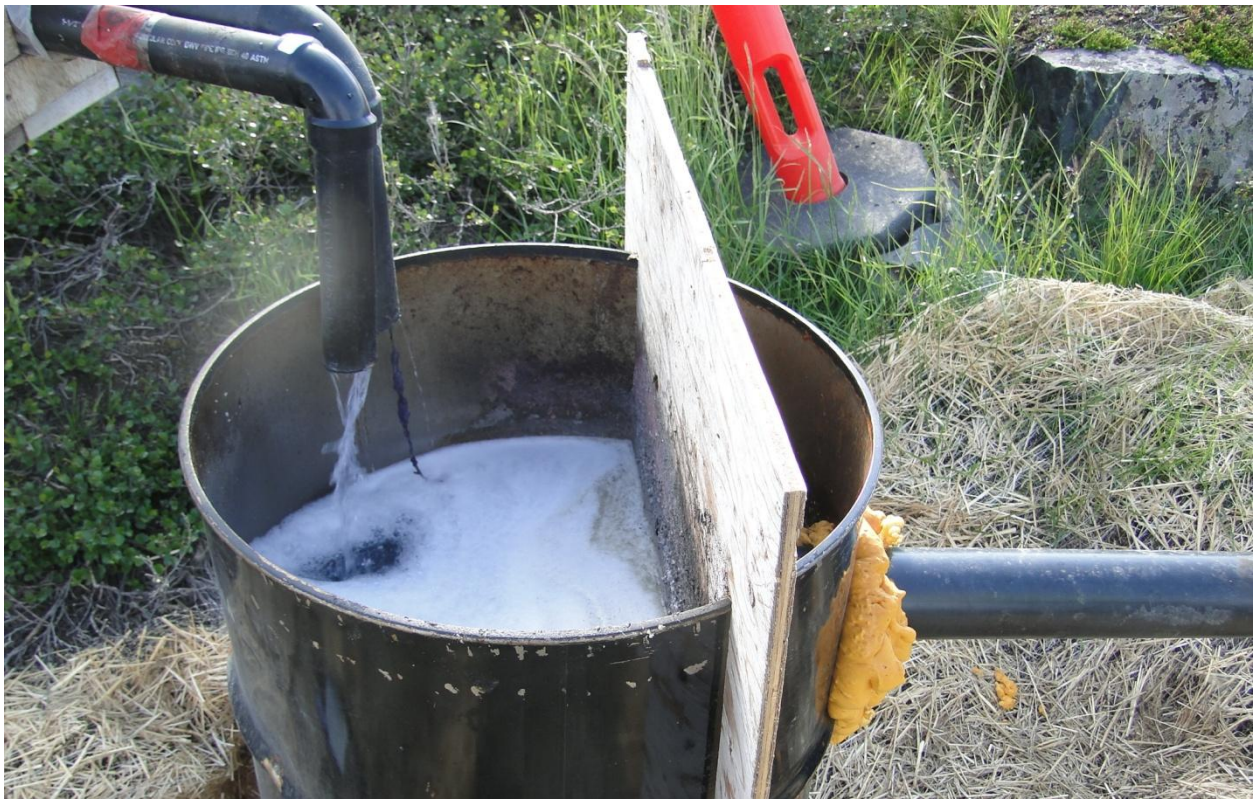

Figure 7. Improvised grease trap.

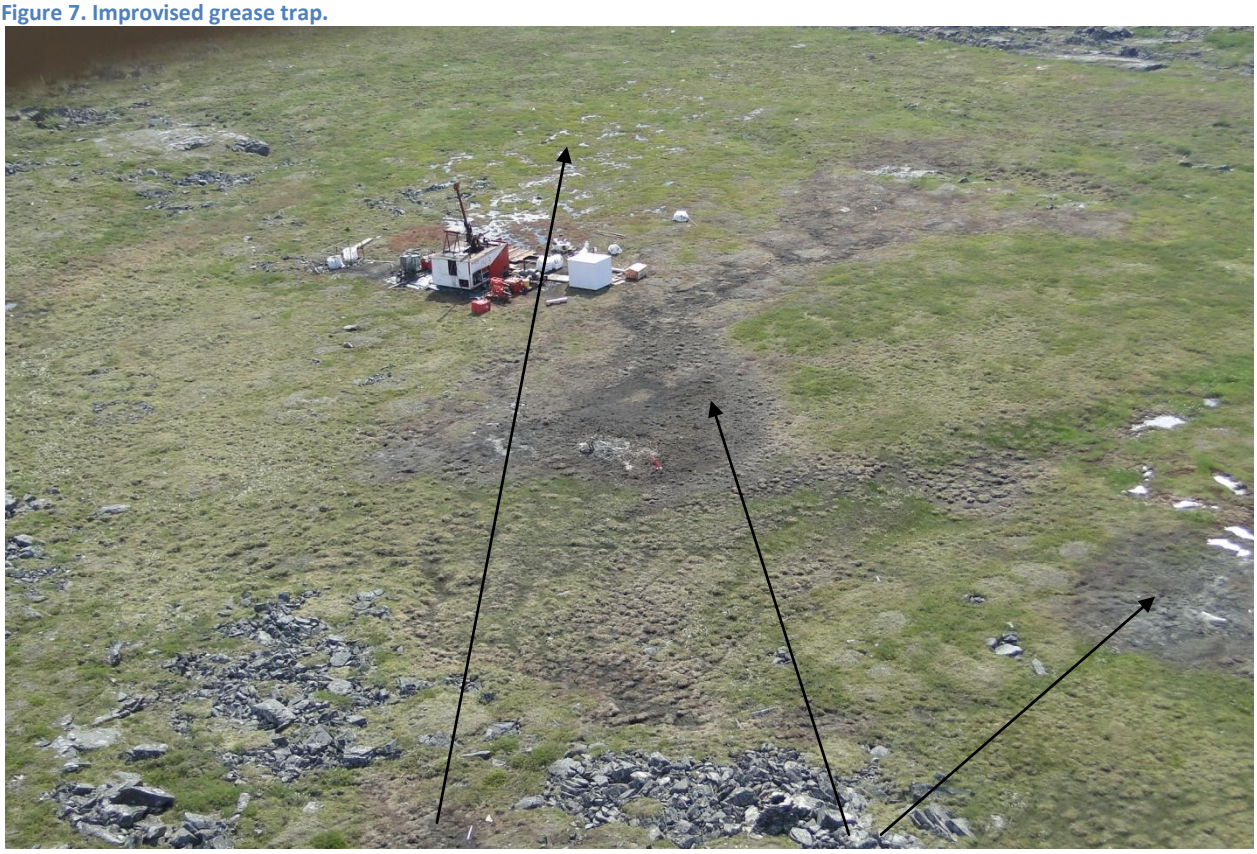

Figure 8. Drill site from overhead. Note drill water flowing over the tundra and dead vegetation from older drill sites.

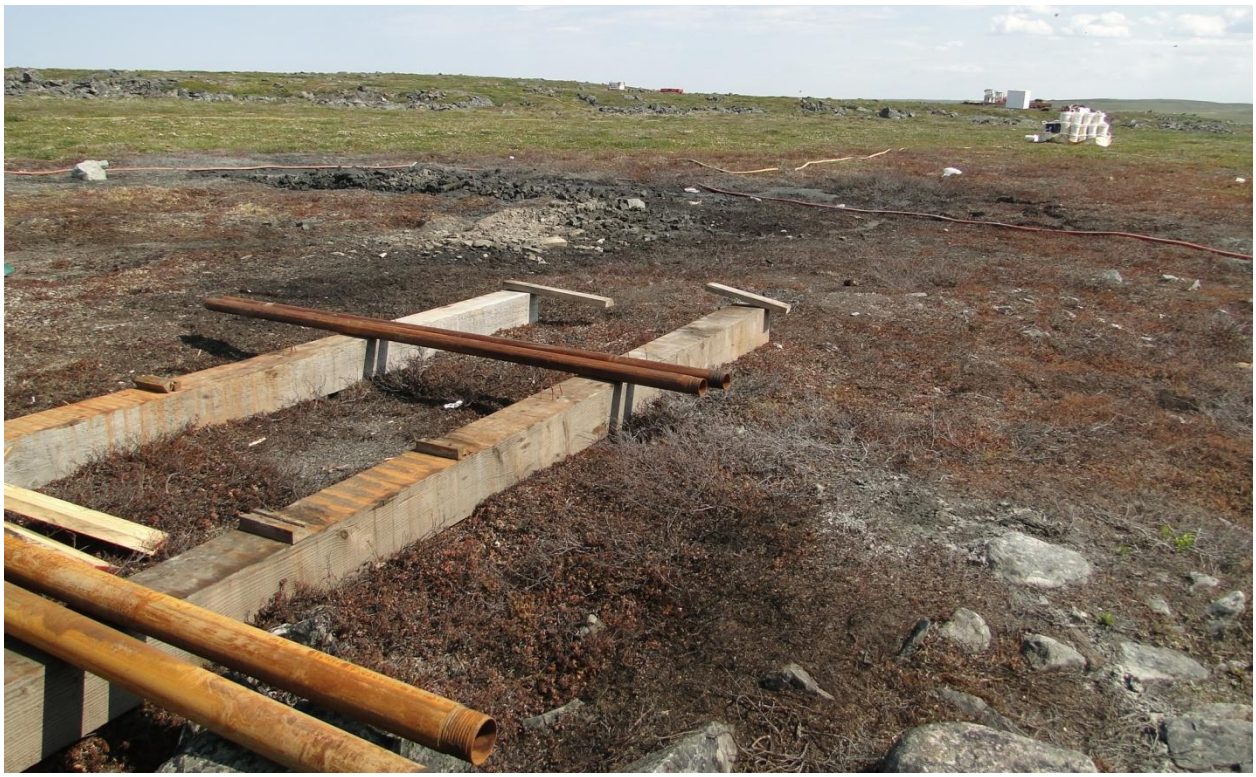

Figure 9. Reddish colour characteristic of salt-burned vegetation.

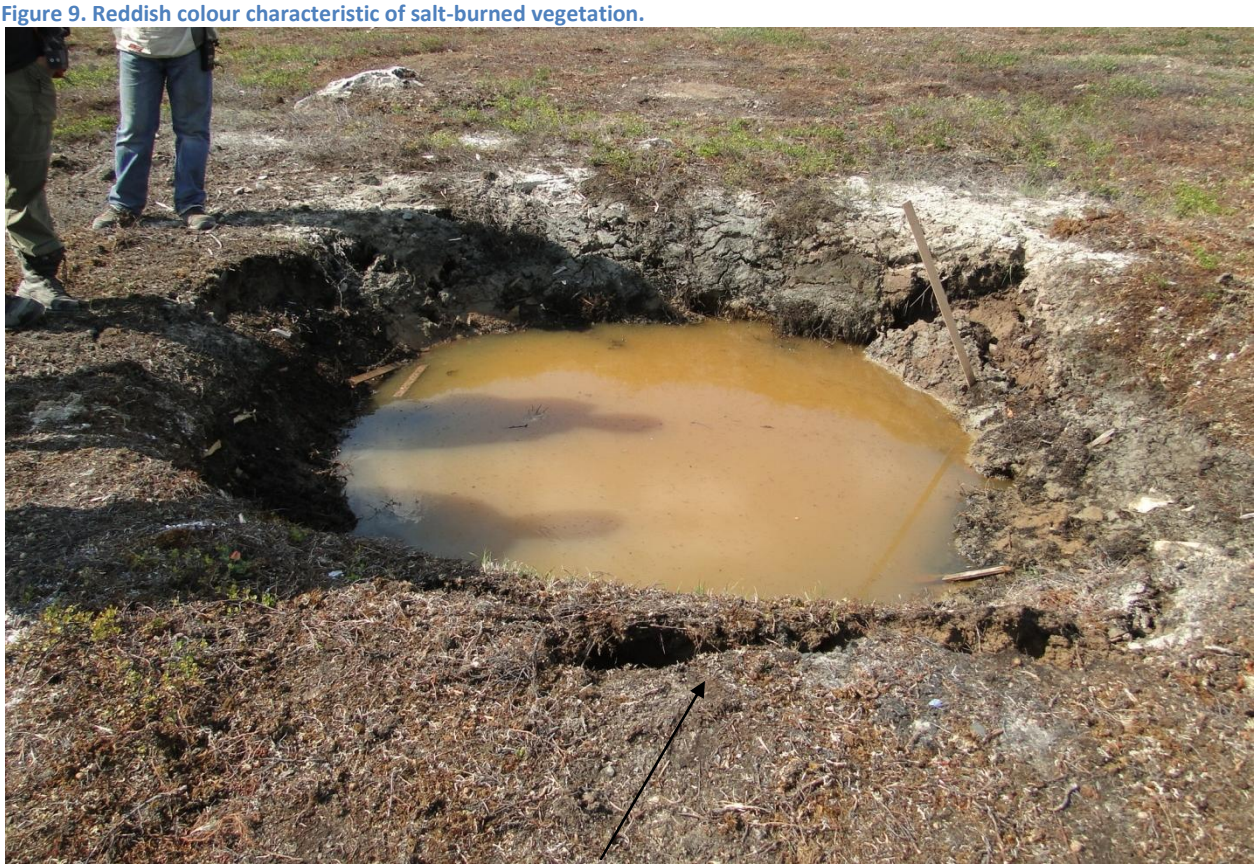

Figure 10. Thermokarst formed from old drill hole. Note slumping as the hole expands.

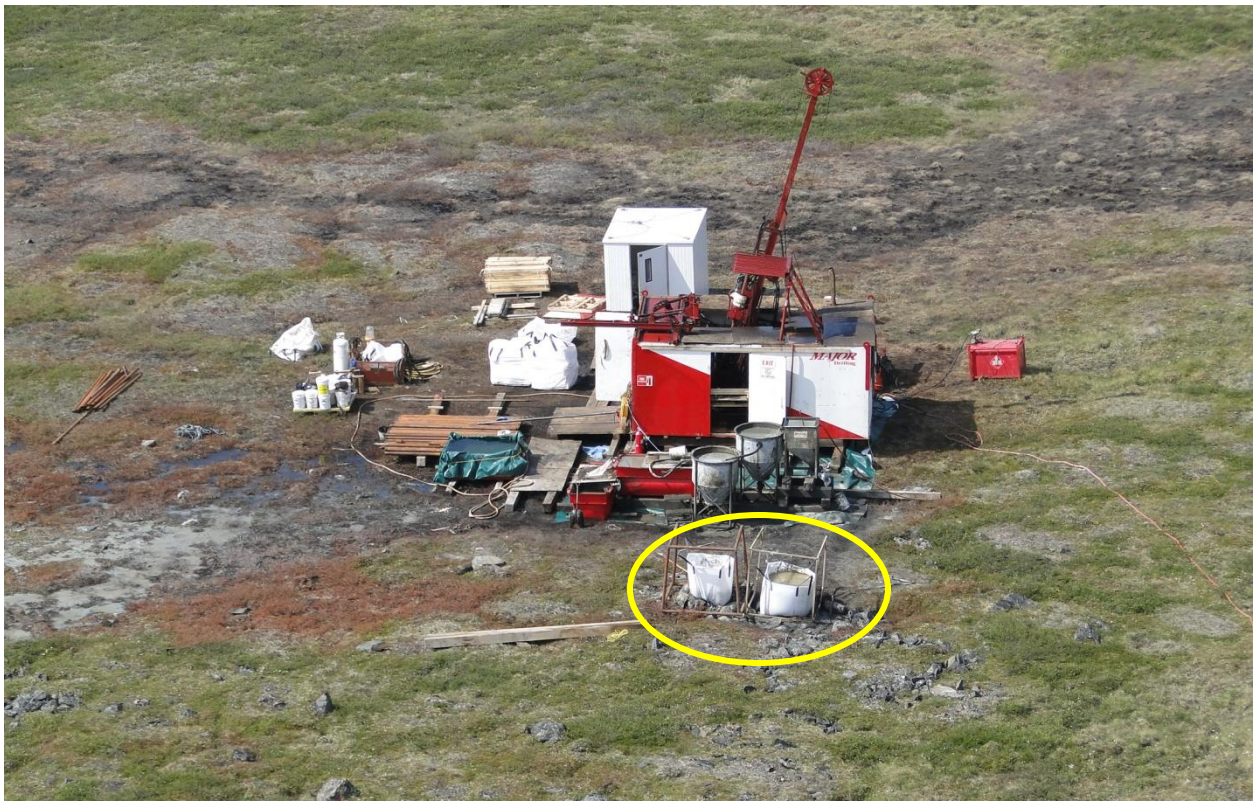

Figure 11. Current drill setup. Polydrill system and the use of mega-bags to capture cuttings are recent improvements. Mega-bags should sit in an appropriate rocky depression that will contain the water so it doesn't flow downhill.

Figure 12. Drill water (may just be unused water) flowing in uncontrolled manner over the tundra.

Figure 13. Piles of barrels stacked during winter shift and lean on soft ground. In this photo they lean right over the berm.

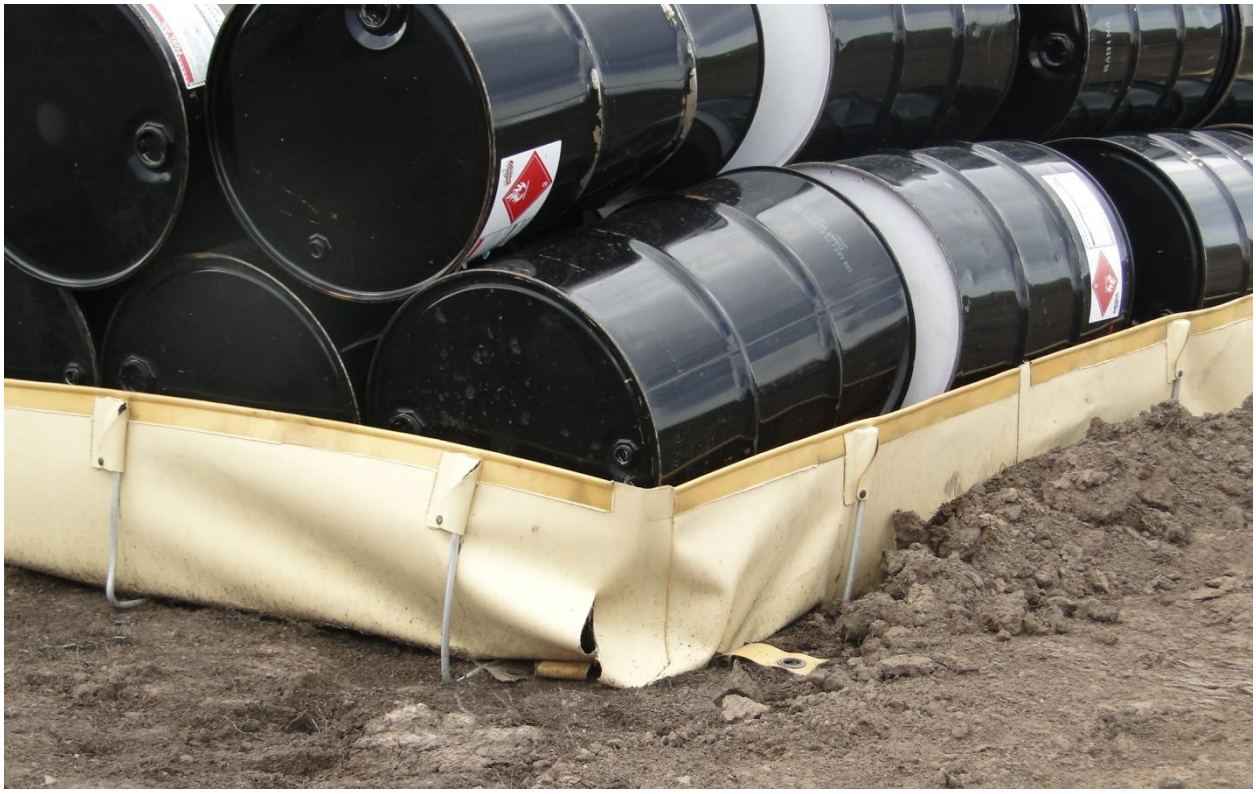

Figure 14. Torn berms.

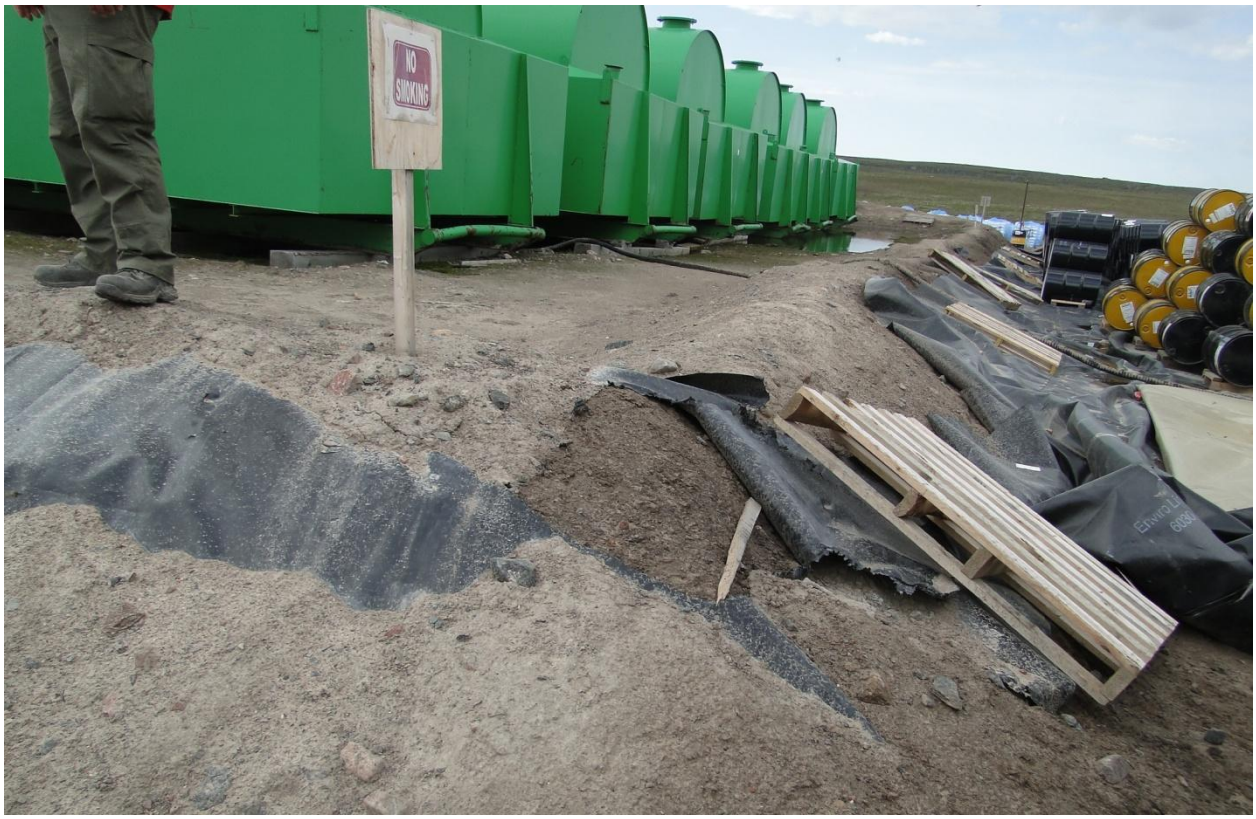

Figure 15. Torn liner for bulk fuel storage.

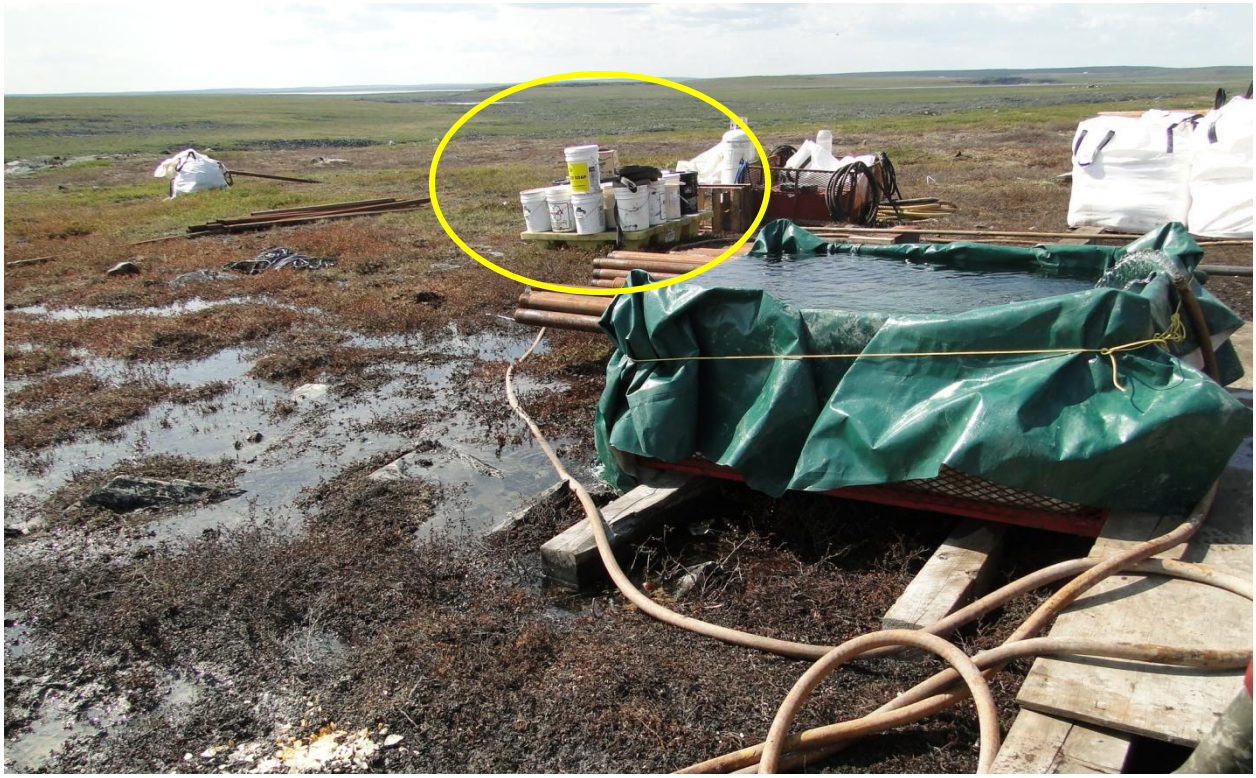

Figure 16. While technically 'on' secondary containment, the efficacy is doubtful.

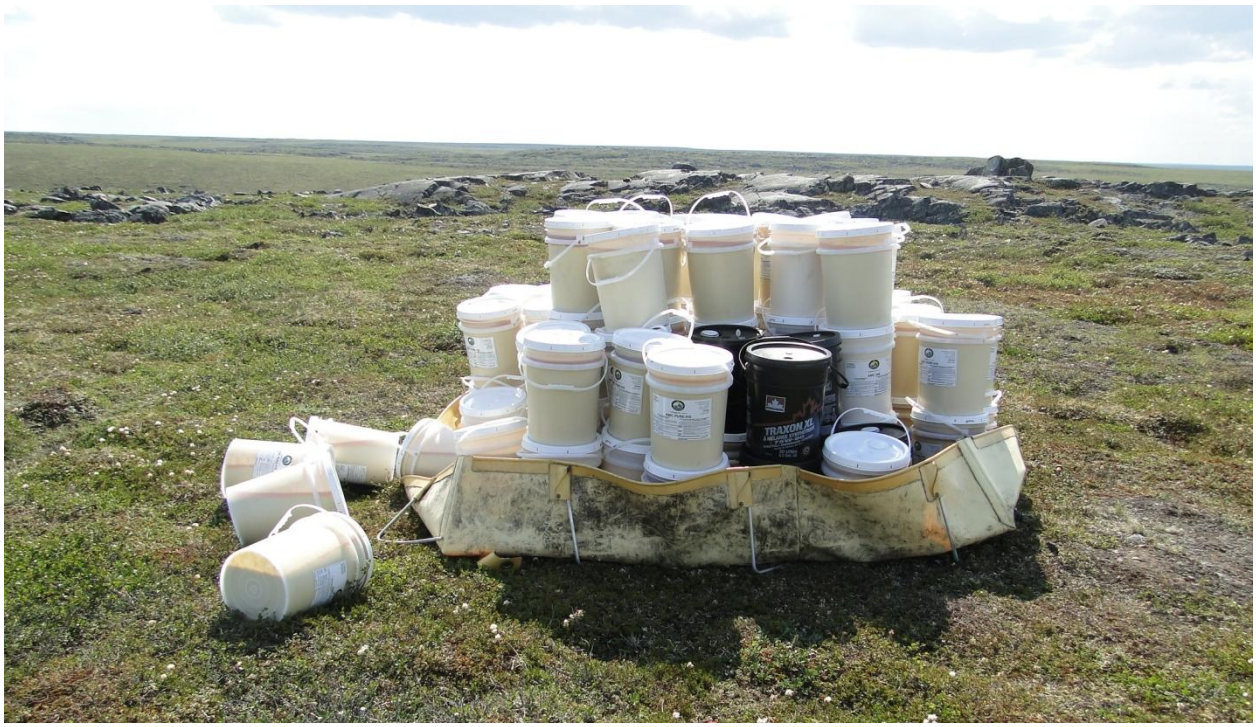

Figure 17. Pails of drill additives fallen out of collapsed containment.

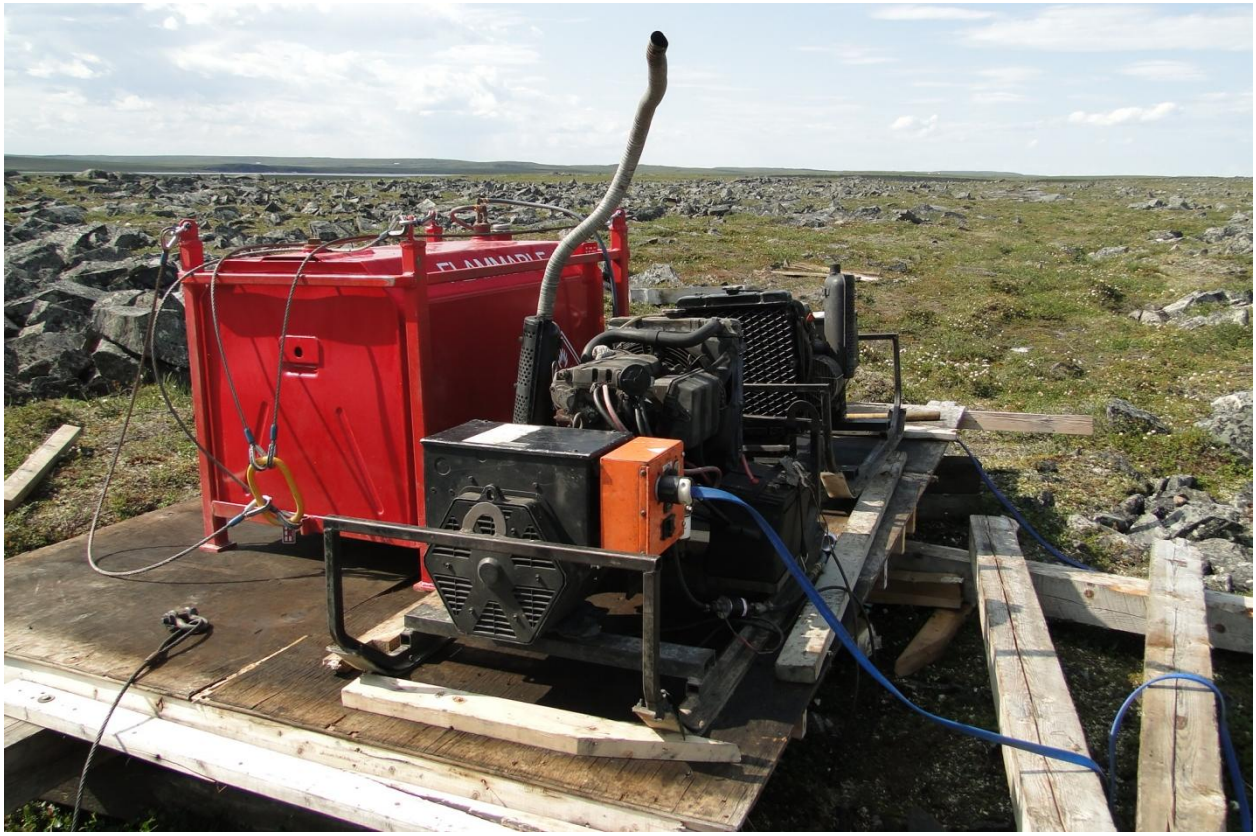

Figure 18. Fuel tank and pump should sit on a hard tray in case of spills or leaks.

Figure 19. Fuel cache at Umwelt - barrels fallen out and leaked onto tundra.

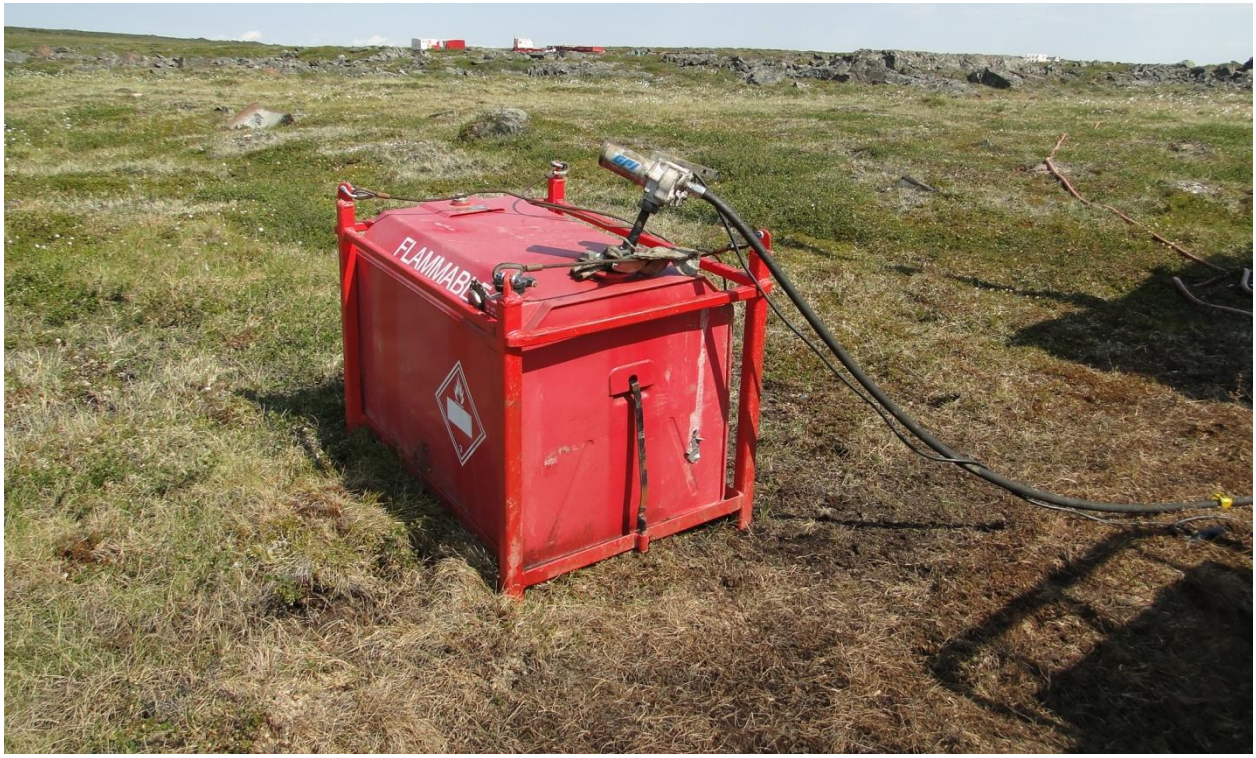

Figure 20. All refuelling is to occur over drip trays.

Figure 21. Open haz waste by Major shop. If pail overflows or falls, containment will not be adequate.

Figure 22. Stock of drill greases and additives to be stored in secondary containment.