



CLEANUP PROGRESS

UPL CHEMICAL SPILL, CORNUBIA, KZN

SPILL TECH



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WEEKLY SUMMARY: 17/09/2021 – 22/09/2021

ZONE B:

- ± 500m of the drainage system was inspected with camera surveillance.

ZONE D:

- Tipper trucks loaded and disposed of contaminated rubble at a certified disposal facility.

ZONE E:

- 4x carbon barriers were maintained on site.
- ± 2 706m of the stream is visually clean.
- The super suckers have vacuumed contaminated water from the stream and sediment / contaminated soil was bagged.
- ± 329m of the stream (Waterfall area) was washed with clean water and airlanced.
- The team pumped and vacuumed contaminated water from Midway into the road tanker.
- The team pumped and vacuumed contaminated water from the PCD into the road tankers.
- The TLB moved waste from excavations into skip bins.
- The team reconstructed the bund wall with heavy duty bags with clean soil at HD4.
- The team manually excavated tests pits from accessible areas in the stream.
- The skip truck team placed empty skip bins on site and disposed of full skip bins at a certified disposal facility.
- The team applied lime and maintained the upper TD. The PH levels were kept between 11 and 12.
- The team set up the GAC pod, pumped contaminated water from the PCD through the GAC pod into a JoJo tank.
- The team maintained bund walls using PVC sheeting and sandbags.
- The super sucker vacuumed and offloaded contaminated water from Midway and Outlet 2 into the road tankers.
- The team removed the stones from the gabion and inserted carbon bags at Weir 1 and Weir 2.
- The team repaired the barrier fencing around site.
- The contaminated soil stockpiles were covered with PVC sheeting.
- The team maintained housekeeping on site.

ZONE F:

- The team began bagging dead fish from Breakers and proceeded in a northern direction towards the Umhlanga Estuary.
- The team began bagging dead fish from Umdloti and proceeded in a southern direction towards the lagoon.
- A perimeter of ± 20 000m of the beaches was inspected.
- A perimeter of ± 7 650m at the Umhlanga Estuary was inspected.
- The team bagged dead fish from around the Estuary and beach.
- The team maintained barrier fencing on site.
- The team bagged dead fish from further inside the Umhlanga Estuary heading in a western direction towards the warehouse.
- The team erected signage and restricted unauthorized access.

WASTE AND LIQUID WASTE RECOVERED:

- Contaminated water and Free Phase Product recovered: $\pm 4\,618\,000\text{lt}$
- Contaminated Debris and Absorbed Free Phase Product loaded into $\pm 4\text{x}$ Skip Bins
- Dead Fish Recovered: $\pm 45.3\text{kgs}$

WASTE DISPOSED OF AT LANDFILL:

Skip Truck Fleet 293:

- Load 25– $\pm 12,00$ tons (21.09)

Skip Truck Fleet 235:

- Load 27– $\pm 5,83$ tons (21.09)

Tipper Trucks:

- 19x loads



Highly contaminated water flowing from Outlet 1.



The super sucker team vacuuming contaminated water from Outlet 2.



The team washing the stream with clean water.



The team pumping contaminated water through the GAC pod into the JoJo tank.



The team bagging contaminated dead fish from the Estuary.



The team installing carbon bags in the gabions at Weir 1.



The team applying lime within the upper TD.



The team installing the carbon bags in the gabions at Weir 2.



The tipper truck loading contaminated concrete in Zone D.



Super sucker offloading contaminated water into the road tanker.



The team pumping contaminated water from the PCD into road tankers.



The skip truck team placing empty skip bins on site.