

Tank Characterization Sampling Overview



Sample Crawler Versatrax 450 Manufactured By Inuktun USA

- First used to sample Tanks 5 & 6
- Due to radiological concerns left in tank after use.

- Designed for pipe inspections
- 20" L x 15" W x 13" H (20" w/camera Raised)
- Weight - 100lbs
- Material – Aluminum
- 2 cameras / lights (3 sets)
- Manipulator – 4 function arm

Modification made by
SRR base on
lessons learned



- Skids (assist in transiting coils)
- Lifting bail – allows deployment in tank
- Replaced arm fasteners with hardened bolts
- Added undercarriage cage
- Replaced aluminum tracks with stainless steel
- Added splash guard for camera

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Challenges

Limited
Access



Tank 5 Crawler insertion

Internal
Obstruction



Tank 5 Cooling coils
before sampling/grouting

First Time Operations (Tank 12)

Multiple Crawler
Operation



Tank 12 Two crawler sample
hand off

Wet
Sampling



Tank 12 Sampling through
water

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