

BEGIN DELINEATION SCREENING IN REMAINING 3.74 ACRE FACILITY AREA*

COLLECT 10** IN SITU 30*** SEC DURATION READINGS FROM THE 30' X30' GRID

0 TO 3 IN SITU READINGS \geq THE ACTION LIMIT BUT $<$ 4X THE ACTION LIMIT

4 OR MORE IN SITU READINGS \geq THE ACTION LIMIT BUT $<$ 4X THE ACTION LIMIT

1 OR MORE IN SITU READINGS \geq 4X THE ACTION LIMIT

YES

DETERMINE HETEROGENEITY OF THE CONTAMINATION AND IF NECESSARY RE-EVALUATE GRID WITH ADDITIONAL IN SITU READINGS. USE THESE FACTORS ALONG WITH EASE OF EXCAVATION TO DETERMINE THE NECESSARY GRID PORTION FOR REMOVAL (ENTIRE GRID, GRID PORTION, OR HOT SPOT)

YES

PERFORM CONFIRMATION SAMPLING ON THE 30' X30' GRID AREA

DURING GRID EXCAVATION, SWEEP THE AREA USING THE NITON TO COLLECT MULTIPLE SHORT IN SITU READINGS. BASED ON THE READINGS DECIDE IF THE LIFT**** IS ADEQUATE TO REMOVE THE CONTAMINATION. IF DEEMED NECESSARY MULTIPLE LIFTS CAN BE EXCAVATED AT THE SAME TIME.

NOTE: * DELINEATION BEGINS AFTER PAVEMENT AND BASE MATERIAL HAS BEEN REMOVED. ANY VISIBLE SLAG IS BY DEFAULT REMOVED.
** THE ACTUAL NUMBER OF IN SITU READINGS COLLECTED MAY VARY
*** A LONGER-DURATION READING SHOULD BE TAKEN WHEN THE VALUE IS DETERMINED TO BE AROUND THE NITON ACTION LEVEL OR 4X THE ACTION LEVEL.
**** A LIFT IS DEFINED AS EXCAVATION TO A 3" DEPTH

ROSS METALS SUPERFUND SITE
ROSSVILLE, FAYETTE COUNTY, TENNESSEE

**GRID DELINEATION
DECISION LOGIC
DIAGRAM**