

OFFICE MEMORANDUM

TO : C. A. Reynolds, ENG-4

DATE: May 17, 1965

RECEIVED MAY 18 1965

FROM : Safety Office

SUBJECT: CLEAN-UP OF TA-9 ANCHOR EAST PHASE II

SYMBOL : H-3

REFERENCE: Letter of March 25, 1965, Courtright to Reynolds, subject: "Clean-Up of TA-9, Anchor East."

As a result of the work accomplished and information gathered to date at Anchor East, the work can proceed into the second phase. Phase II should consist of removing drains, sumps, and underground lines (outside the foundations) that service or are in the vicinity of these buildings: TA-9-1, TA-9-2, TA-9-3 A, B & C, TA-9-14 and TA-9-13. The following precautions and procedures are to be followed:

1. Drain pipes will be exposed their entire length by hand digging using care not to disturb the pipes.
2. The metal pipes will be cut by the use of pipe cutters with a steady flow of water over the pipe and cutter during the cut. The pipes will be cut close to the sumps, where they go under a slab or into a foundation, and into short enough lengths to haul on the truck.
3. The clay, ceramic, and concrete pipes will be removed from their location by remote lifting of each section. A special lifting device will be made that will clamp on the outside of the pipe securely but not exert enough pressure to collapse the pipe.
4. A crane with at least a 50 foot boom will be used to lift these sections of drain pipe and place them on the truck for removal. The crane operator will be protected by a minimum of 1/4 inch steel plate or 2 inch wooden planking. If sight ports are necessary, laminated bulletproof glass may be used in the plate or planking. This glass may be obtained from the Testing Section of GMX-7.
5. All personnel except the crane operator are to be evacuated at least 250 feet or be located behind a suitable barricade each time a lift is made from the ditch.
6. As the sections are lifted, the crane operator will stop and hold just above ground level. The ENG-4 and/or H-3 representative will then inspect the pipe for gross HE contamination.

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7/19/65

5/19

6	RUSO	5/19
1	SIZER	5/19
2	WILLIAMS	5/19
3	HBY	5/19
4	BYERS	5/19
5	BARTHELL	5/19
7	MINNICK	
	ROYBAL G.	
	MONTOYA	
7	FILE	LJ1757

Info on barrels of const. material Rm. copy needed for TA-9-H file also



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7. Those drain pipes that are free of gross HE contamination will be loaded on a truck for transporting to the HE burial pit on Mesita del Buey.
8. Those drain pipes or other items that are grossly contaminated with HE as determined by the ENG-4 and/or H-3 representative will be placed in a tank of water and transported to TA-16-400.
9. Use of TA-16-400 will be coordinated with D. D. McCormick, GMX-3. The items in the water tank will be unloaded at TA-16-400 by hand and laid carefully on the floor. Zia personnel, wearing face shields and rubber aprons, will then clean the items with hot water. When the items are free of gross HE contamination as determined by the ENG-4 and/or H-3 representative, they will be transported to Mesita del Buey for burial.
10. When the tank containing contaminated water is no longer needed, it will be drained and washed clean in TA-16-400. The H-3 representative will inspect the tank after cleaning to determine the method of disposal.
11. The sumps should be filled with water and then all loose debris removed carefully. When this is completed, the water should be dipped out carefully by hand or drained by a siphon hose to where the bottoms can be visually inspected for HE deposits. The ENG-4 and/or H-3 representative will determine by inspection whether the sumps can be buried or must be cleaned first. If cleaning is necessary, they will be taken to TA-16-400 and cleaned and disposed of in the same way as the drain pipes.
12. After the drain lines have been removed and the inspection in #11 completed, the sumps are to be picked up as complete units and loaded on the trucks. Cables, slings and spreaders may be used to lift the sumps. Personnel should evacuate as in #5 above during the actual lifting and loading of the sumps.
13. The area immediately around the sump outside TA-9-14 where HE was found, should be thoroughly wet down with water, the contaminated dirt removed with shovels, placed in 55 gallon drums or similar metal containers and buried at the HE burial pit on Mesita del Buey. Any large pieces of HE should be put in separate containers and given to H-3 for disposal.

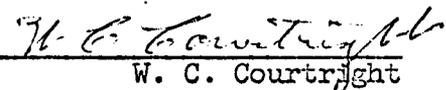
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14. All non-combustible material removed under this phase should be considered HE contaminated and therefore disposed of in the HE burial pit on Mesita del Buey. The LASL Standing Operating Procedure for Burial of Explosive-Contaminated Scrap and Equipment dated December 10, 1964 shall be followed in hauling and disposing of the materials.
15. The drain and sumps that are to be handled in the above manner will be tagged with yellow flagging in the field by the ENG-4 engineer and H-3 representative.
16. A cutting torch or welding machine will not be used for or around any of the above work.
17. All supervisors, workmen and observers will wear eye protection.
18. There will be no smoking within 100 feet of any of the listed buildings or the trucks hauling the debris.

Approved


Roy Reider

Approved


W. C. Courtright

WCC: jn

cc: ENG-4 (3)
ENG-3
GMX-DO
GMX-2
GMX-3 (2)
Zia Safety