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Created By:	Aurelia A. Martinez/USERS/LANL
File name:	Target-ERID # for Domino.txt
Version:	1.0
Document Type:	RPF Record
Description:	BACKLOG

Document Details:

Title:	ERID-104141 1) ASBESTOS SURVEY OF TA-21, BUILDING 3&4 UNDERGROUND TUNNELS
ERID Number.StartPage:	ERID-104141
Office of Record:	WES-DO
Date Received:	01/14/2009
Official Use Only:	N
Page Count:	6
Record Type:	Letter
Document Date:	01/01/2000
To:(Addressees - Organization) *(separate multiple values with semicolons)*	N/A
From:(Senders - Organization) *(separate multiple values with semicolons)*	N/A
Other Document Number(s): *(separate multiple values with semicolons)*	N/A
TA: *separate multiple values with semicolons)*	TA-21
PRS Number(s): *(separate multiple values with semicolons)*	
Record Box Number:	

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File Cabinet: Records 2

Binder Category: ERID-100000 through ERID-109999

32066

104141

TO WHOM IT MAY CONCERN:

SUBJECT: Asbestos Survey of TA-21, buildings 3&4 underground tunnels.

An asbestos survey was conducted in the underground tunnel of building 4 at TA-21. A total of 200 linear feet, 32 fittings, and 4 square feet of debris, all containing asbestos exist in the tunnel. The condition of the asbestos is not important in this case (refer to sheets if desired). All the asbestos in this tunnel is fairly easily accessible except for about 12 fittings in the west tunnel, entering from the north, by the dead end. In this section, the pipe and the asbestos fittings might have to come out as you move toward the dead end. The 200 linear feet of asbestos piping can come out in around 10' sections on the east side. If this is not cost effective, an expanded glove bag may be used to strip the asbestos. All other fittings can be removed by the glove bag method. The asbestos debris in the dirt can be picked up and bagged without having to dig out 6 inches of dirt. The ground is very hard.

In the tunnel under building 3, a total of 1200 linear feet, 25 fittings, and 1400 square feet of debris all containing asbestos exist in the tunnel. Again, the condition of the asbestos is not important in this case, but refer to the data sheets if desired. All the fittings are fairly accessible as well as the linear footage on the west side of the tunnel. Again around 10' sections would be the limit for the linear piping containing asbestos. On the East side, it is very congested. Pipe may have to come out as you move in. Again around 10' sections will have to be used. In this tunnel allot of the pipe is bare. From the 1200 feet of asbestos insulated pipe that we have, I would guess 200 feet to be bare. This is asbestos that has fallen on the ground. Speaking of the ground, there is 1400 square feet of asbestos debris scattered throughout the tunnel imbedded in the dirt. The 6 inches required for safe removal I think would have to take place here. It may be too congested on the East side of this tunnel to remove the debris first. None of the asbestos is labeled in the tunnel but

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JAN 14 2000
By MM

all the fittings contain asbestos and the fiberglass and asbestos insulation is obvious on the lines. This tunnel under building 3 is in very bad shape with respect to asbestos, i.e. the pipe insulation and the dirt contain exposed asbestos.

TO:

FROM:

DATE:

SUBJECT: Asbestos Survey of TA-21, buildings 3&4 underground tunnels.

N45

An asbestos survey was conducted in the underground tunnel of building 4 at TA-21. A total of 200 linear feet, 32 fittings, and 4 square feet of debris, all containing asbestos exist in the tunnel. The condition of the asbestos is not important in this case (refer to if desired). All the asbestos in this tunnel is fairly easily assessable except for about 12 fittings in the west tunnel, entering from the north, by the dead end. In this section the pipe and the asbestos fittings might have to cut out as you move toward the dead end. The 200 linear feet of asbestos piping can come out in around 10' sections on the east side. If this is not cost effective an expanded glove bag may be used to strip the asbestos. All other fittings can be removed by the glove bag method. The asbestos debris in the dirt can be picked up and bagged without having to dig out 6 inches of dirt. The ground is very hard.

In the tunnel under building 3, a total of 1200 linear feet, 25 fittings, and 1400 square feet of debris all containing asbestos exist in the tunnel. Again, the condition of the asbestos is not important in the case but refer to the data sheets if desired. All the fittings are fairly accessible as well as the linear footage on the west side of the tunnel. Again around 10' sections would be the limit for the linear piping containing asbestos. On the East side, it is very congested. Pipe may have to come out as you move in. Again around 10' sections will have to be used. In this tunnel allot of the pipe is bare. From the 1200 feet of asbestos insulated pipe that we have I would guess 200 feet to be bare. This is asbestos that has fallen on the ground. Speaking of the ground, there is 1400 square feet of asbestos debris scattered throughout the tunnel imbedded in the dirt. The 6 inches required for safe removal I think would have to take place here. It may be too \congested on the East side of this tunnel to remove the debris first. None of the asbestos is labeled in the tunnel but all the fittings contain asbestos and the fiberglass and asbestos insulation is obvious on the lines. This tunnel under building 3 is in very bad shape with respect to asbestos. All the pipe insulation and the dirt are in very bad shape.

ASBESTOS SURVEY FORM

TA: 21 Bldg: — Room: Tunnel Asbestos Suspected/Found Photo Taken: NO.

Date: 12/5/88 Surveyors: 1 1 2 Occupancy none Asbestos Labeled: yes

ITEM NO.	TYPE OF INSULATION	FRI-ABLE	CONDITION	ACCESSIBILITY	APPROX. AMOUNT OF ASBESTOS	LOCATION	SAMPLE NO.	ASBESTOS PRESENT	ACTION REQD.
1	(P) V D S	(Y) N	1 2 3 4 (5)	A (B) C D E	1'	Fitting at Stairs section	one	(Y) N	yes
2	(P) V D S	(Y) N	1 2 (3) 4 5	A (B) C D E	2'	Fitting's we of section	St end one	(Y) N	
3	P V D (S)	(Y) N	1 2 3 4 (5)	A (B) C D E	1 sq. Ft	debris on Flo East end of	or Section one	(Y) N	yes
4	(P) V D S	(Y) N	1 2 3 (4) 5	A (B) C D E	1'	Value in Section two	tion	(Y) N	yes
5	(P) V D S	(Y) N	1 2 3 4 (5)	A (B) C D E	1'	Fitting west of section th	end ree	(Y) N	yes
6	(P) V D S	(Y) N	1 2 3 (4) 5	A (B) C D E	1'	" " " " "	"	(Y) N	yes
7	(P) V D S	(Y) N	1 2 3 (4) 5	A (B) C D E	1'	Fitting by in section	stairs three	(Y) N	yes
8	(P) V D S	(Y) N	1 2 (3) 4 5	A (B) C D E	7'	Fitting's section th	in ree	(Y) N	
9	(P) V D S	(Y) N	1 2 3 4 (5)	A (B) C D E	2'	Fittings East of Section	t end four	(Y) N	yes
10	(P) V D S	(Y) N	1 2 3 4 (5)	A (B) C D E	4'	Fitting's by in Section	Stairs Five	(Y) N	yes

COMMENT: Tunnel above building's 2, 3, 4 and 5. Numbering sequence for sections runs west to east in Tunnel.

FORM ID NO. 6797

(Con't)

2

ASBESTOS SURVEY FORM

TA: 21 Bldg: — Room: Tunnel Asbestos Suspected/Found Photo Taken: no

Date: 12/5/88 Surveyors: 1 1 2 Occupancy none Asbestos Labeled: yes

ITEM NO.	TYPE OF INSULATION	FRI-ABLE	CONDITION	ACCESSIBILITY	APPROX. AMOUNT OF ASBESTOS	LOCATION	SAMPLE NO.	ASBESTOS PRESENT	ACTION REQD.
1	(P) V D S	(Y) N	1 2 (3) 4 5	A (B) C D E	6'	Fittings in Section Five		(Y) N	
2	(P) V D S	(Y) N	1 2 (3) 4 5	A (B) C D E	1'	Fittings East end of Section	Six	(Y) N	
3	(P) V D S	(Y) N	1 2 3 4 (5)	A (B) C D E	1'	Fitting - west end of Section	Seven	(Y) N	yes
4	(P) V D S	(Y) N	1 2 (3) 4 5	A (B) C D E	5'	" " " "	" "	(Y) N	
5	(P) V D S	(Y) N	1 2 3 4 (5)	A (B) C D E	2'	West end of Section Seven		(Y) N	yes
6	(P) V D S	(Y) N	1 2 3 (4) 5	A (B) C D E	7'	" " " " " "		(Y) N	yes
7	(P) V D S	(Y) N	(1) 2 3 4 5	A (B) C D E	9'	West end of Section Seven		(Y) N	
8	(P) V D S	(Y) N	1 2 (3) 4 5	A (B) C D E	4'	Fittings in Section Eight		(Y) N	
9	(P) V D S	(Y) N	1 2 (3) 4 5	A (B) C D E	5'	Fittings East wall in Section	nine	(Y) N	
10	(P) V D S	(Y) N	(1) 2 3 4 5	A (B) C D E	55' Fittings	IN whole Tunnel		(Y) N	

COMMENT: Each wall between Section's contains ~~0~~ 1' sq ft of Condition Fives.

FORM ID NO. 6797

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3.

ASBESTOS SURVEY FORM

TA: 21 Bldg: — Room: Tunnel Asbestos Suspected/Found Photo Taken: NO.

Date: 12/5/88 Surveyors: 1 1 2 Occupancy none Asbestos Labeled: Yes

ITEM NO.	TYPE OF INSULATION	FRI-ABLE	CONDITION	ACCESSIBILITY	APPROX. AMOUNT OF ASBESTOS	LOCATION	SAMPLE NO.	ASBESTOS PRESENT	ACTION REQD.
1	P V D (S)	(Y) N	1 2 3 4 5	A (B) C D E	8 Sq Ft	In walls Cable trays	and between sections	IN TUNNEL (Y) N	Yes
2	P V D (S)	(Y) N	1 2 3 4 5	A (B) C D E	56 Sq Ft	" " " "	" "	" (Y) N	Yes
3	P V D S	Y N	1 2 3 4 5	A B C D E				Y N	
4	P V D S	Y N	1 2 3 4 5	A B C D E				Y N	
5	P V D S	Y N	1 2 3 4 5	A B C D E				Y N	
6	P V D S	Y N	1 2 3 4 5	A B C D E				Y N	
7	P V D S	Y N	1 2 3 4 5	A B C D E				Y N	
8	P V D S	Y N	1 2 3 4 5	A B C D E				Y N	
9	P V D S	Y N	1 2 3 4 5	A B C D E				Y N	
10	P V D S	Y N	1 2 3 4 5	A B C D E				Y N	

COMMENT:

FORM ID NO. ~~6779~~ 6797