Site: Certainteed
ID # MOD980631162
Break: 2.2
Other: S+E
12-19-94

ecology and environment, inc.

International Specialists in the Environment

Job Number ZT3071

Certain Teed - Maline Creek
(Bellefontaine Neighbors, Missouri)
T07-9412-016
EMO 03075EA

07KF 2.0

30290522

Superfund

0100

E & E Job Number ZT 3071 (TAT VII)

Telephone Code Number 314-298-0077

Site Name CertainTeed / Maline Creek

City/State Bellefontaine Neighbors, Missouri

TDD T07 - 9412 - 016

PAN EMO 0307SEA

SSID

Start / Finish Date 12-19-94 /

Book 1 of 1

E & E Emergency Response Center: (716) 684-8940
E & E Corporate Center: (716) 684-8060
MEDTOX Hotline: (501) 370-8263
E & E Safety Director (Home): (716) 655-1260

12-19-94 Certain Teed / Maline Creek

14:10 - TAT Kinroth was informed last Friday from TATM Ed Martin - thru OSC Don Homera that the Asbestos Air and Soil Sampling as planned for the Site in the Draft QASP written by TAT Kinroth in October 1994 under TDD T07-9410-078 and PAN EM00307SDA is again being requested by EPA/EPIR and OSC Homera — See Previous Log!
TAT Kinroth spoke w/ OSC Homera this A.M.
Wants to do this January 4-5, 1995, or the following week if possible - want to collect samples while demolition of those homes that were flooded in 1993 and scheduled for FEMA Buyout is progressing - sample during demolition activities

14:17 TAT has copied previous logbook and Draft QASP for inclusion in this file - Priorities to make this happen in projected time frame —
① Procure AHERA Certified Air Sampling Technicia to assist As specified in the QASP
② Prepare Health & Safety Plan
③ Acquire Additional Gilian Pumps from KC Office

14:50 TATL Joe Chandler called re: Subcontracting AHERA certified monitoring technician - packet was received - need to set up ASAP for AHERA Tech. to assist with air sampling

Dave Kinroth
12-19-94

12-20-94 CertainTeed / Maline Creek

0840 Contact AHERA Subcontractors re: bids for Air Sampling Technician Assistance - TAT Kinroth

0845- Contacted - Steven Roth - with BRAL Environmental Services re: new bid for Services - I will fax him a new letter this A.M.

0900 Contacted Environmental Options - contact Darren Wilhite was not in - left a message for him to return call

— Did Contact Alan Roth - Roth Asbestos - fax him also new letter this A.M.

0915- Draft Letters to Bidders - prospective

0940 - Spoke w/ Darren Wilhite - Environmental Options - send him letter also

2:30 TAT Kinroth Completed three letters to solicit bids again from the 3 interested parties that Joe Chandler had solicited back in October these are:

① BRAL Environmental Services 816-931-4911, Fax 816-931-3447
Contacts: Alfred Harris ; Steven Roth

② Roth Asbestos & Environmental Consultants, Inc. Phone 913-831-4795
Contact: Alan Roth (816) 524-8811 Fax 816-525-5023

③ Environmental Options (314) 968-7377 Fax (314) 968-5007
Contact: Darren Wilhite

- Wait to here Responses - ASAP!

2:35 TAT Kinroth notes: OSC reported of ~ 31 split samples that OSC Hamera had TAT (Audra Gier) Contract for analysis at lab — 7 of these came back >1% Asbestos therefore considered Asbestos Containing Material (ACM) — those splits where obtained from PSI - the FEMA Contractor by MDNR and then transferred to lab - TAT Audra Gier has results and is sending them to me:

Dave Kinroth 12-20-94

12-30-94 CertainTeed/Maline Creek - EMO0307SEA

16:15 Worked on this Project All Day - Subcontractor bid packag
Completed - Environmental Options was selected to
perform AHERA Certified Sampling Assistance for
Air Samples - Contact Darren Wilhite 314-968-7377

- Spoke w OSC Don Hamera this A.M. and TAT
Audra Gier who set up contract lab which is
- Industrial Testing Laboratories Inc.
2350 S. Seventh St. (771-7111)
St. Louis MO
Contacts Bill Lowrey -
Ray ~~Bernon Ray~~ D.K. D.K. Narconis - TEM Branch Director
Lab preferred we use QA'D .45 u Filters & cowls instead of
.8 u Filters - these were picked up NO charge
from Lab today by TATM Ed Martin - they did QA
- Methods used for Analysis will be for Air -
as before method 7402 by TEM following AHERA
Guidelines in 40 CFR 763 - structures .1 u wide
and .2 u long are counted -
- Greg Crable - EPA Suggested 70 structures/mm^2
would equal a background level -
~~Plan to m~~ D.K. Soil Samples will be analyzed by
Modified Chatfield Method as previously indicated - TEM
- plan to meet AHERA Contractor Environmental Options
on Site at Bellefontaine Rd & St. Cyr Intersection
10:00 Wed A.M.
TAT is requested to get weather forecast 1st Thing Tues
A.M. & Report by phone to OSC Hamera

NEED to get fence posts - wire for job -
NEED to Write Site Safety Plan

End Days Activity

Dave Kimath 12-30-94

1-3-95 CertainTeed/Maline Creek EM00307SEA

12:00 TATs Kinroth & Martin Calibrate Gilian Pumps for use to ~ 2 LPM with Gilibrator 691772 following manufacturer Specifications & .45 u cartridge on line

	Pump #	Flow	
ST. LOUIS PUMPS	691794	1992 cc/m	3 measurements Avg.
	691795	2016 "	
	691791	2007 "	
	691792	2001 "	
	691793	2000 "	
25	646291 (5976)	2001 "	(4 measurements)
34	646287 (5971)	2003 "	3 measurements
	646288 (5972)	2002 "	
:43	646290 (5975)	1988 "	
	646289 (5973)	2004 "	

4:30 Pre calibrations All Completed Above

6:00 Spoke w/ Matt Burcham - Environmental Options re: Calibration of Gilian Pumps Etc. and details for tomorrow site recon planning session - meet At 10:00 on Site, w/ OSC Don Hamera - MDNR Tom Kruse

17:15 Day Ended - purchased light duty fence posts & wire to hang sample pumps 1 meter off the ground

Dave Kinroth
1-3-95

1-4-95 CertainTeed/Maline Creek EMO0307SEA

0920 TAT Kincoth leaves ~~sit~~ D.K. office for site to meet Don Hamera/OSC and Environmental Options representatives Darren Wilhite and Matt Burcham

1000 Meet w/ Don Hamera & Tom Kruse
Received copy of Workplan - Approved

1015 Meet w/ Environmental Options - Darren Wilhite & Matt Burcham - Touring site
- Corvair Abatement monitoring during demolition - doing Abatement work at Flood Damaged/Buyout homes
- Kootmans has given permission to sample on their property - current occupant of site
- City has given permission to sample demolition area and any of their property around the area as needed to complete assessment

11:00 Soil Samples to come from a Known area
Subcontractor contacted this Individual - Sample Known Area such as 100 cm^2 or 2500 cm^2 - also go down 2" to intrinsic soil level for background - Frank Ahrenbeld with IATL Lab provided this information - IATL = International Asbestos Testing Laboratories
- Suggested PLM Analysis of soil to quantify % Asbestos in soil in addition to TEM in several locations

12:25 Meeting Adjourned - summarize Decisions/Sampling Plan Modification
- At Bellefontaine Neighbors City Hall for meeting - w/ OSC Don Hamera, MDNR Tom Kruse, & Environmental Options Darren Wilhite and Matt Burcham

See Next Page for Proposed Sample Outline.

Dave Kincoth 1-4-95

1-4-95 CertainTeed / Maline Creek EM0030750A

12:30 Sample Outline: as agreed upon by all parties

#	Air - Analyze by TEM - AHERA Method	Samp #
3	Samples At Certainteed - On top of landfill	MLC-001
	Branch - Metal ~~North of Building~~ SE of Branch Metals	MLC-002
	SW Parking lot Area Northside Creek bank	MLC-003
4	Samples - South Creek Commons / Play Area - West End +7402	MLC-004
	Collocated - Dup.	MLC-005
	Center	MLC-006
	North East End	MLC-007
1	Sampler. Demolition Area Center - Based on Wind Direction	MLC-008
1	836 Lebon Schulte Residence +7402 method	MLC-~~009~~ 016
	~~9234 Bellefontaine Robert Doerr Res.~~ 941 Marias Back yard Bell Res.	~~MLC-010~~
1	~~908 Marias Nagel Res.~~ 925 Marias Front yard Davis Res	~~MLC-011~~
1	Ball field - Surrey Lane Athletic Assn.	MLC-~~012~~ 011
	Bethlehem Cemetary - Background	MLC-012
	Blank - Field	013 MLC-~~014~~
	Blank - Field	014 MLC-~~015~~
16	Blank - Lab	015 MLC-~~016~~

eave Space for Changes - Potential tomorrow DK - 1-4-95

Changes

11 941 Marias 9234 Bellefontaine = MLC ~~010~~ 009 Backyard

is 925 Marias Replaces 908 - = MLC ~~011~~ 010 Front yard

Air Sample Summary Complete

Dave Kenneth 1-4-95

1-4-95 CertainTeed EM00307SEA

Soil Sample Summary – TEM Analysis-All PLM on 2 Sample #

#3 Soils - Certainteed - Top of landfill MLC-017

Branch Metal - North of Bldg. MLC-018

North side Creek Bank MLC-019

4 Samples South Creek Commons/Play Area West +PLM MLC-020

Duplicate MLC-021

Center MLC-022

East End MLC-023

1 Demolition Area - Center MLC-024

1 836 Lebon Schulte Residence +PLM MLC-025

1 941 Marias ~~9234 Bellefontaine Robert Doerr Res~~ MLC-026

1 925 Marias ~~908~~ Marias ~~Nagel Res.~~ Davis MLC-027

4 - Ball Field Area - Surrey Lane Athletic Assn. MLC-028

" 029

" 030

" 031

1 - Bethlehem Cemetary - Background MLC 032

~~1 - 817 Marias - Mulikey Res.~~ MLC-033

~~1 - Tarrble Res. 909 Lebon~~ MLC-034

1 King " 929 " MCC-035

~~1 - Loburg Res. 812 Bellecrest~~ ~~MLC-036~~

Total = 20

Another From the Ball Field ? = 4 more than 1 Air MCC-037

Total 21 - Leave Space for Potential Changes -

813 Marias Front or back White Res. MLC-033

812 " " Loburg MLC-034

929 Lebon " King - MLC-035

905 Lebon Sanders Front MLC-036

Dave Kimoth 1-4-95

1-4-95 EM00307SEA

7:40 TAT packing up for Morning Sampling - Sample Containers, PPE, Etc.

8:45 left office for the day - go home & produce site safety Plan - consider #1 Cold Stress

1:10 Tips from Bill Lowrey - on Air Samples today

- he is with Industrial Testing Laboratories
- Remember - Color Compare Cassettes w virgin Cassette during sampling period - periodic Check - if filter turns gray stop sampling & submit as is
- Sample = 1800 L - Sample @ ~ 4LPM for 8hrs. to Approach or exceed this
- Run 7400 + AHERA - skip 7402 unless 7400 indicates necessary on Air Samples (2) Selected on page 7
- OSC and MDNR Tom Kruse procured access to other relevant sampling locations this afternoon Some have Changed - will have to note on pages 7 and 8 tomorrow when TAT is informed
- Lab and TAT contact Audra Gier have been notified of proposed Sampling Scheme changes - deviations from the work plan
- Soil Samples will now all be grabs from 625 cm^2 areas - template placed on ground and surface scraped ~ 1 inch - may want some samples deeper than 2" to indicate background suggest visual observation for sediment deposit to determine depth for these
- Many Deviations from the work plan will have to be documented and justified in logbook and report

200 - End Days Activity

Dave Kunath 1-4-95

1-5-95 CertainTeed / Maline Creek EM0030750EA

0700 TAT Kinroth on site - meet with OSC Don Hamera and Matt Burchom - Environmental Options plus his assistant Kyle Uber - Discuss Health & Safety - cold stress #1 factor with temperatures in the single digits = 90 windout of south - du

- Set up Pumps level D - Environmental Option will handle all pump set up & documentation and turn over product = data sheets at the End of the Day.
- OSC & TAT will select sample final locations and drive posts for monitors

7:45 EO = Environmental Options setting up 2nd pump
- TAT & OSC have driven all 3 posts for monitors at CertainTeed

8:23 Finished Setting pumps at Commons Area & Demolition

8:24 Head to 941 Marias - Back yard

8:36 At 925 Marias Front yard

8:46 At Surrey Lane Athletic Assn. Field Bellefontaine & St. Cyr. - placing monitor at edge of infield - Between 3rd Base & Short Stop - Field 5

8:55 Set Pump at Bethlehem Cemetery

9:01 All pumps set - forgot to set pump at Shultes - will not sample here - last pump not working

9:02 Return to Kootman / CertainTeed Property

9:07 Back at Kootman Property all pumps sets

9:16 EO to check on sample pumps prior to taking a break

9:30 TAT tried to fix Gilian Pump to no avail will not set up. skip Shulte Sample for now - may try next week

Dave Kinroth 1-5-95

1-5-95 CertainTeed/Maline Creek EM0403075EA

9:40 Darren Wilhite - EO showed up on site
We suggested he could rent a pump to
use at Shulte Residence today and
sample at a higher rate to get 1300L
by end of day - he left to try and
rent a pump or pick one up from EO's
Shop

9:45 Matt Burcham & Kyle Uber checked on all
other pumps - OSC & TAT Drove fence
post at Shulte Residence - 836 Lebon

10:40 Darren Wilhite showed up with pump - prepare to
set up pump

10:5 - Collect Soil Sample from Top of landfill Area
MLC - 017

:26 Soil Sample - Branch Metal North of Bldg.
MLC - 018

1:40 Sample at N Creek Bank Certainteed MLC-019

1:55 Commons Area East Soil Sample MLC-020
plus MLC-021 = Replicate - ~~AHERA~~ TEM & D.K.
PLM ~~7400~~ D.K. Analysis only on sample 020 -
AHERA only on 021

12:05 Commons Area Center by Playground
Equipment 022

12:10 Commons Area East - Southeast
MLC 023

12:15- Demolition Area - 813 Lebon - Backyard
MLC - 024

12:24 836 Lebon Shulte Res. - Soil - TEM + PLM
MLC 025 - Front Yard

2:40 929 Lebon MLC-035 Front Yard

2:34 905 Lebon MLC-036 Sanders - Backyard

12:49 ↳ Mistake should be ~~front~~ yard - resample
MLC-036 - Hold other for analysis if indicated
David Kenneth 1-5-95

1-5-95 - CertainTeed / Maline Creek EM0030750A

13:04 At 813 Marias - White Res - Sample Soil MLC-033 - back Yard

13:11 At 812 Marias - Loburg Residence MLC-034

13:19 925 Marias - Near Air Sampler Front Yard MLC-027

13:24 941 Marias Near Air Sampler Backyard MLC 026

13:32 Matt Burcham EO Collects cemetary Soil Sample MLC-032

13:32 TAT Kinroth at Surrey Lane Athletic Field to Collect soil samples - 5 total

13:34 MLC-028 - Field 5 near Air Monitor at Edge of Infield between Shortstop & 3rd Base - Surrey Lane Athletic Assn. - St. Cyr & Bellefontaine Rd.

13:48 MLC-029 Behind - East of Backstop #6 in left Field of Field #7 at Surrey Lane Athletic Fields - Kinroth

14:00 MLC-030 - Along South Creek Bank - Sediment Deposit Area at Surrey Lane - North of Drive on Bank by treeline between Fields 6 & 8 - Hamera Collected

14:05 MLC-031 - East end of Drive at Surrey Lane area just Nort of Circle By Tree Stump - 30 paces to NE From Big Tree Stump between 2 big trees on creek bank

14:15 MLC-037 - Field 8 edge of infield Directly behind 2nd Base

14:30 MLC-038 - unplanned sample - Directly at Home plate - Ball Field 8 - left side of plate ~~David Kinroth~~ 1-5-95

1-5-95 CertainTeed / Maline Creek EM00307SEA

14:40 All soil sampling completed - At Hardee's to take cold stress break - Temp is

15:25 Pulled Air Monitor top of landfill Area MLC-001

16:18 Pulled Final Pump at 836 Lebon Shulte Residence - this pump started late but was run at higher rate of 3.2 average - flow total was too low 1050 - setting backup - now at 16:23

16:32 - TAT photoed Demo Area

17:15 Back at Lebon Residence to collect Sample Again MLC-016

17:30 All off site - Contractor, EPA, and TAT

18:00 End Days Activity

Sample from Tom Kruse MDNR MLC-039 he collected 3:15pm 1-4-95 at Demolition Area 9224 Lebon

Tom Kruse

1-5-95

1-6-95 Maline Creek EM00307 SEA

10:00 TAT Kinroth tags & labels samples for delivery to lab - prepare field sheets etc. / chain of custody etc.

13:27 TAT Kinroth leaves office to deliver samples to the lab.

14:10 Samples Dropped at IHLab - Industrial Testing Laboratories in St. Louis

Analyses - Delivered to Bill Lowrey - by TAT Dave Kinroth

Air - AHERA TEM Method - all samples 7400 & 7402 TEM on 004 and 016

Soil - TEM Asbestos - Modified Chatfield Method - all samples - PLM - Polarized light microscopy on samples 020 & 025

16:15 Finished unloading Suburban from yesterday End Days Activity

16:30 End Days Activity

18:00 Finished Unpacking Supplies from Yesterday -

David Kinroth
1-6-95

1-9-95 EMO 0307 SOA CertainTeed/Maline Creek

17:15 TAT received P.O. from Arlington office Today - it was written not to exceed 480.00 for Twelve hours at $40/hour - Environmental Options provided a total of 18 hours man labor for this job - need to amend P.O. if possible or call Arlington (Debbie Kopsick or James Roman) to determine course of action - also need to pay for SKC pump rental $25 / pay out of this office - Need to call contractor Darren Wilhite back when I determine course of Action to take - Bill will go to KC Office ultimately - 18 x 40 = $720 submit a new P.R. or can I write letter of justification & Amend this P.O.

17:30 End Days Activity

David Kimball

1-9-95

1-10-95 CertainTeed / Maline Creek EMO0307SEA

14:38 TAT Kincaith Spoke W James Roman in E&E Arlington-Office - he said to write up and Amendment to the P.R. & P.O. and Return to him and he will have to issue new P.O. to authorize payment for all 18 hours provided by Environmental Options - the subcontractor utilized to provide AHERA Certified Asbestos Sampling

15:30 End Previous Task

Dave Kincaith

1-10-95

1-17-95 CertainTeed/Maline CM0007SEA

10:54 - Called Bill Lowrey - he said light microscopy results were done - he will check on TEM results and call me back

11:00 Bill Lowrey called - all Results are done from Industrial Testing Labs - St. Louis Report will be ready end of week and then mailed - If OSC wants them sooner I will call and have them faxed to me

11:11 OSC Don Humera out of office until 1-23-95 - I left voice mail and told him to Call if he wanted results before 1-23-95 or 1-24-95 - Also informed TATM Audra Gier on results status - She will call James Roman in Arlington on P.O. for analytical & special project status

David Kimball
1-17-95

1-18-95 CertainTeed / Maline Creek EM00307SEA

10:00 Received Amendment to P.O. for subcontractor services yesterday - faxed to Darren Wilhite - Environmental Options this morning - all payment arrangements have been finalized - Bill KC office for services - St. Louis for pump rental for pump that failed in the field.

D. David Kunoth
1-18-95

1-25-95 CertainTeed/Maline Creek EMO 03075EA

11:00 Received CertainTeed Data - Sample Results from Audra Gier - TAT KC - reviewed Data & begin Report Preparation today -

Dave Kinroth
1-25-95

1-31-95 CertainTeed/Maline Creek EMO 0307SEA

12:44 - Spoke w/ Ray Narconis at ITL Lab
- he gave TAT a synopsis of asbestos structures as reported in Data Report

Structures -
- Fiber = 1 Fiber
- Bundle = Collection of parallel fibers - all parallel
- Cluster = Collection of Fibers / not all parallel
- Matrix - a bit of fragment of anything or any material with at least 1 fiber sticking out of it.

Samples MLC006, 007, 008 all reported to have matrices 2 counted in #6, 1 counted in each of 007, 008 by AHERA TEM Method
- Background according to AHERA Law/Regs is 70 structures/mm^2 - these samples were 35.8, 17.9, and 17.9 structures/mm^2
- not significant - not a health threat in his opinion.

END OF LOG

Dave Kinnath
1-31-95