913/551-5028
fax: 913/551-5035
emergency: 913/236-3778

Donald F. Hamera
On-Scene Coordinator
Emergency Planning and Response Branch

United States Environmental Protection Agency
Region VII Laboratory
25 Funston Road
Kansas City, Kansas 66115

Certainteed
Removal

withhold
predecisional
Hamera #1

OKF
30290497
2.0
Superfund
0400

RECORD

DON HAMERA
EPA Lab
(913) 551-5000

Certainteed
Maline Creek Removal

MSD 314 768-6303
Corp 314 331-8046

Tom Kruse
314 751 4817

Jalal El Jayousi
314-751-8393

National® Brand

56-401	Ginger	Record
56-402	Black	2 Cols.
56-403	Red	3 Cols.
56-404	Blue	4 Cols.
56-406	Green	6 Cols.
56-408	Chestnut	8 Cols.
56-412	Maroon	12 Cols.
56-431	Black	S.E. Led.
56-441	Red	Cash

Made in U.S.A.

80 Pages

10/21/92 Maline Creek Certainteed meeting

Attendees Paul Doherty, Don Hamera
Denise Jordan Izaguirre
Dave Hoefer
Paul Beatty
Greg Reesor

Site: Maline Creek
ID #: MOD980631162
Break: 2.7
Other:
10-21-92

We discussed the whole situation in regards to Maline Creek. Dave Hoefer said from a legal standpoint it really doesn't matter if the asbestos is friable or not, it is still considered a hazardous substance.

Also Paul Beatty said that the transite pipe is friable and potentially friable when left out in the weather to deteriorate. As the pipe freezes and thaws it will continue to break down and become friable.

Denise (ATSDR) said there is a threat, although not an immediate threat.

We discussed options. Paul decided it would be best to go ahead and utilize the A&E contract to do a study along the Creek to look at various bank stabilization and removal options. Also the study would point out how much to remove and the cost to remove the transite material.

10/28/92

Met with Tappan Am A&E firm at the Certainteed Maline Creek site at 8:00 AM.

Those in attendance

Don Hamera, Jeff Weatherford EPA
Buck Brooks TAT

Tapan Banerjee
Project Eng Jim Hagne > Tapan Am associates

asbestos specialist Kirby Demott Professional Service Industries

We first inspected the southern portion of the Certainteed - GAF site. I showed them where the landfill was situated and how the creek has been eroding away the bank next to the 7 acre landfill. I pointed out the transite pipe which is sitting in and around the creek.

Next Jeff Buck and I walked around some of the old abandoned buildings on the Certainteed property. The old boiler building had a window broken out. Looking through the window we could see asbestos looking material in a friable condition lying on the floor and hanging loosely around the pipeing. I will discuss these issues with Dave Hoefer and see who has jurisdiction over this material.

We walked north along the east bank and inspected where the rip rap had been installed back in 1979-80. The rip rap had not held and much of it

had washed down into the Creek. Also the bank is washing away in some places. There is some transite pipe which is exposed along this whole area.

We then drove back out to St. Cyr Road and went down the bridge which took us down into Malone Creek. We walked along the east bank and could clearly see all the transite material lying on the bank. Some of it appeared to be ready to cave off into the creek.

Jim Hagne, Kirby Depot and I continued on down the creek. I showed them the island of asbestos materials which was setting in the creek. We also inspected more of the bank.

We also discussed various options to solve the situation, I gave Jim my large map of the area to get an idea of the whole situation. We also discussed the work order and what it would contain.

I told Tapson that I wanted a study of alternative solutions as well as all the associated costs estimated. Also recommendations as to the cost effectiveness and feasibility of each alternative. We left the site at approximately 10:00 AM.

Unrelated to this site. When we climbed down into Malone Creek, there is a small tributary which passes under St Cyr Rd. We noticed a small amount of drainage in the creek. It smelled like sewage.

10/29/92 314 436-8711

8:30AM I called and talked to John Lotterhouse of the Metropolitan Sewer District (MSD). I told him about the sewage problem. He said he would have somebody go out and check it out.

11/2/92 Talked to Jim Hague with Tappan Am about the Certainteed Maline site. I asked him about the large pipe (outfall) which drains into Maline Creek. I also discussed with him the possibility of landfilling the exposed material in the landfill itself.
I told Jim I will be sending over the 1979 aerial photograph for him to use. I will also be sending him copies of TAT reports dated 5/8/92 and 4/17/92.
Also called Dave Hoefer and left message about exposed material being landfilled in the original 7 acre landfill area.

11/16/92

Talked to Tom Rosette about landfilling the exposed material (ACM) at the Centaurus Maline site. He said to do this we would have to go through the permitting process which would take 1.5 years to complete. There are no provisions in the Solid Waste Law to deal with this. This is an unusual case.

12/1/92 Visited with Mark Kostman of Branch Metal Processing. (314-867-7500) Mark said he went out by the boiler building and saw the broken window. He said that has been fixed and that the building is padlocked. I asked Mark about visiting the rest of the facility. He said all the asbestos material has been removed in the abandoned parts of the building. He said they (buildings) were washed down and and ACM was removed. I also pointed out the small piles of material (assumed to be asbestos) lying around the open area (south of the boiler building). These piles would have to be dealt with. I confirmed a Dec 17 visit date with Mark, he said that would be fine. Mark also said access to Tapan would be no problem.

Also visited with Wayne Weideman of Clark Properties. He said it would be fine to visit the GAF site on Dec 17. Wayne said there was no asbestos left on the GAF site, it was all removed and the buildings have been remodeled and are in good condition.

12/2/93 Tony Simmons (consultant for P&G investments) called about the asbestos material around the Contaminated Property. He said P&G is in the process of removing the small piles of asbestos that are located out in the open and also they are taking steps to deal with the problem of the larger facility. This facility is 100,000 sq ft. in size. Tony said there is some asbestos up near the ceiling. He said they would go ahead and set up air monitoring to see if any releases are occuring.

12/3/92

1400 Meeting with Tappan to discuss bid sheet for alternative study for the Certainteed Maline Coal Project

Those Present Tapan, Jim Hagne

Don Hamera, George Hess, Alice Law, Phylis Ayers, Tori Hankins, Paul Beatty, Greg Crable.

We discussed the whole situation. Tapan and Jim Hagne gave small presentations about the work to be done. The big discrepancies between my bid and Tapan bid was the drilling and analysis work. My bid was $4500 while Tapan's was approx 10,000.

The difference is that Tappan is basically subcontracting out this work to PSI who has experience and expertise in doing asbestos work. My first impression was that this bid was high, however after discussing the particulars it seemed to be reasonable. The fact that it is asbestos makes it more expensive. Basically PSI will just be doing some calculations for just the asbestos work. Tapan will incorporate this information into their report.

12/14/92

Received message from Alice Low concerning the site. She has done some investigating and came up with a couple of names. Dean Lambert and Ron Kitra would be the contacts to discuss the landfilling of asbestos at Carondelet.

Talked to Dean Lambert about the site and if the material could be landfilled. He felt that we would have to go through the entire permitting process to landfill this material at the site. He gave me the name of B & Eck (314-832-0101) to contact for more information.

I called and talked to Bob. He said Kevin Oneill has asbestos work out of the St Louis office (some #)

1600 Talked to Mark Kostman of Grand Metal processing. Mark gave us permission to bring a drill rig on site to take some samples. I told him we would need to take 2 or 3 samples in the parking lot area to determine the location of the landfilled material.

I also talked with Mark about Paul and I's visit. He said he would meet up down near the continuous at 0830.

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12/14/92

Received message from Alice Law concerning this site. She has done some investigating and came up with a couple of names. Dean Smart and Ron Kutra would be the contacts to discuss the landfilling of asbestos at Certainteed.

Talked to Dean Smart about this site and if the material could be landfilled. He felt that we would have to go through the entire permitting process to landfill this material at the site. He gave me the name of Bob Eck (314-822-0101) to contact for more information.

I called and talked to Bob. He said Kevin Arnold does asbestos work out of the St Louis office (same #)

1600 Talked to Mark Kootman of Branch Metal processing. Mark gave us permission to bring a drill rig on site to take some samples. I told him we would need to take 2 or 3 samples in the parking lot area to determine the location of the landfilled material.

I also visited with Mark about Paul and I's visit. He said he would meet up down near the containers at 0830.

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12/14/92

Recent message from Alice here concerning this site. She has done some investigating and came up with a couple of names. Dean Lambert and Ron Kitra would be the contacts to discuss the landfilling of asbestos at Cottonwood.

Talked to Dean Lambert about this site and if the material could be landfilled. He felt that we would have to go through the entire permitting process to landfill this material at the site. He gave me the name of B & Eck (314-832-0101) to contact for more information.

I called and talked to Bob. He said Kevin Arnold has asbestos work out of the St Louis office (same #)

1600 Talked to Mark Kostman of Brand Metal processing. Mark gave us permission to bring a drill rig on site to take some samples. I told him we would need to take 2 or 3 samples in the parking lot area to determine the location of the landfilled material.

I also talked with Mark about Paul and I's visit. He said he would meet up down near the continuous at 0830.

12/17/92

Paul Beaty and I arrived on site at 0830 hours. We met Mark Kostman and Harry Hammond. We started to take a tour of the site and buildings to see the extent of piping, and the use of asbestos in all areas around the site. Harry said the small piles next to the boiler room had been cleaned up. Also some piping on the outside of the large warehouse had been cleaned up.

We toured the large warehouse, at the time Mike Kostman (Mark's brother) joined us. We walked about the large structure (100,000 sq ft). After about 15 minutes Mark Mike and Harry departed while Paul and I proceeded to do a thorough inspection of the property. Paul and I toured down, measured and documented every asbestos covered pipe in the building. The roof approximately 3 floors. It appeared that a bobcat of some type had been doing some cleaning work in this building. We approached the south end of the building and there was 2 floors to climb up. We went up to the second floor and saw the mixing boot where concrete and asbestos was mixed together to form into sheeting. On the third floor we saw large funnel type units where the cement was mixed with water. We went out on the roof of the building. At this time I saw a tractor and trailer over at the branch motel building. A bobcat was loading some type of material into the truck.

At about this time we went back downstairs and walked back north through the large facility to document

any other asbestos covered pipe. Gary Simmons joined us at this time. We discussed the whole situation. Gary indicated that he had been taking a sample and bulk samples in both buildings. He was hesitant to say what the results were. He thought there was a problem in the brand metal building. I asked him for results (copies) of his tests, he said that would be fine.

Also at approx 08:30 Jim Hagne, Bob Gravenhott (Tapan) and Kirby Demott & 2 drill operators arrived on site to drill for samples in the parking lot area. As Paul and I were doing our inspection of the large facility I went to check on their work (10:45) I visited briefly with Kirby Demott. Everything seemed to be going fine. Kirby indicated that he was picking up asbestos material in all the borings (3) thus completed.

12:15 Paul and I after completing our inspection of the large manufacturing facility, took a lunch break.

At approx 1:20 we arrived at the GAF property. We walked the entire cap on the GAF side. The cap appears to be in good condition. Wayne Weidman arrived at about 1:40 and we discussed the asbestos situation in his buildings. He said the whole facility had been remodeled some years ago, and to his knowledge there was no asbestos in any of the buildings. Paul & I proceeded to inspect a portion of the facility. It appeared to be well

maintained. Also we could see no asbestos materials at all. The pipe insulation was in good condition. We saw no problems.

We then went back over to the Certainteed site to finish up our inspection on the buildings on this site. The next chain of events of the 2.5 hours are very interesting. We entered the Branch Metal building to inspect the condition of the pipes. There was activity (recycling of metals) going on throughout the building. We started to inspect the building. Paul noticed where some pipe containing asbestos wrap had already been taken down. This had recently occured. We also noticed some brackets (they support the pipe) had been cut (they were still shiney). We saw asbestos scattered in small quantities on the floor below this pipe. We then went up to the second floor where we saw a large amount of material at the west end of the building. I felt that I needed respiratory protection at this point, so I went back out to the van to get a respirator. The eyepiece and the lens kept fogging up, so it was virtually useless. The air was very damp and the wind wasn't blowing, so I felt the risk was minimal. Paul and I venture up to the 3rd floor where 3 workers were cleaning up, sweeping and using a washer to clean the building. Paul went on up and looked around but didn't see anything. Mark Kortman showed up and stated he didn't know we wanted to look at his building, I said it was all the same property. He was very uncomfortable with us looking around. Paul came down and we visited with Mark. We ask him what activity had taken place lately (pipe removal) in this

building. He said he was unaware of any removal activity going on in his building. He said the "owners" may have had some activity going on that he was unaware of. We explained to him the NESHAP notification of removing asbestos without the proper notifications and precautions. Mark denied he knew nothing about the activity that had taken place in his building. Paul and I then inspected on the north end of the Brand Metal building as well. There had been activity here. 2 holes (second floor and one third floor) had been bandaged in the building. Material had been discarded out through these openings, but it was difficult to know (Mark didn't know or wouldn't say) what and when all this happened.

at about 1630 we concluded our work. We mapped out the remaining material (piping) left in the Brand Metal building.

What appears to have happened is that the "owners" or Mark had some material (piping) taken out of the building. They may not have known about the asbestos problems of NESHAP, nevertheless a violation occurred. Mark was very, very vague. He didn't be knew nothing about all this. Our last conclusion with Mark saying they are moving as quickly as possible to remove this material. I emphasized to Mark that asbestos is a hazardous substance and that this situation is potentially hazardous to the workers around the Brand Metal Building. I said he should immediately shut down the operations or seal off the areas where there is friable asbestos.

314 997-~~2067~~
-7440

12/22/92 Phone conference Mark Kootman Gary Simmons.

Visited with Mark and Gary about the Certified site.

I ask them several questions about the site:

Gary said he was employed by Kootman's after the activity in the Branch Metal building has taken place. Gary stated the actions in this building were not appropriate, however the Kootmans were working hard to rectify the situation. Gary expected work to begin in the large building by next Tuesday. He was taking bids on the Branch Metal building. He hoped work would start in the next few weeks.

I asked Gary about the material he had already moved (small pile by boiler) he said that no notifications were needed (it was waived by the county) less than 1000 ft. He said he will be doing all the appropriate paperwork for these removals.

I ended the conversation asking for a copy of sample results for all samples (bulk and air samples). Gary and Mark said that they would send. Gary said he took 24 bulk samples and either 8 or 6 air samples, (I wasn't clear on this). Gary said he would fax. (5035)

I also asked to be kept informed about the removal of material and how it is progressing. Gary said he would keep us abreast of the situation.

I then informed Paul Beatty of this conversation.

12/29/92 Conversation with Gary Simmons.

Telephone conversation - Gary said they are planning to go ahead & get bids to start the work at this site.

Gary asked me to ensure that working areas are up to snuff of asbestos and had them stop the work that was going on (3 workers on the third floor) to prevent asbestos exposure.

Gary also said he would send me copies all tests and a copy of the report he is preparing which outlines the schedule for work to be done.

1/21/93 Telephone discussion with Gary Simmons

I ask Gary various questions about the Certainteed site

When were the samples taken? Gary said (refer to copy in file) that samples 1-5 were taken on 12/9/92. Samples 6-24 were taken on 12/18/92. Sample 25 was taken 1/4/93.

Gary said he made his first site visit on 11/27/93 to the Certainteed Maline Creek site to evaluate the Asbestos problem.

Gary said Air samples were taken on 12/3/92. He said only 1 sample out of 8 (6 in branch Metal, 2 in large warehouse) came in above detection limits. The level detected was .0025 Fibers/CC. Gary said he would send me a copy of this.

Bid selection is very close, possibly even tomorrow. Also the county will be notified when a contractor is selected. Gary said he will also send me a copy of this.

1/22/93 Telephone conversation with Paul Grouex 617-860-4308

EPA
60 Westview St Rm 1
Lexington Ma 02173

Paul sent much information about sites he has worked on which are very similar to Certainteed, this includes actions memos and correspondence.

2/11/93

Phone Conversation with David Fine. He said to call (OSHA) Glenn Taylor with the regional office. (816) 426-5230

Glenn Taylor called also, Denver Holt (on line conference call). I brought these individuals on Paul and I's December 17th visit, and on Paul's January 28th visit. I told them of our activities, sampling photographs etc. I Federal Expressed to Denver Holt the report that Paul Beatty completed on the December 17th, visit.

Denver Holt.

USDOL - OSHA

911 Washington

St. Louis 63101

314-425-4249

On our December 17th visit, Paul and I said to Mark Kostman that we felt the material was asbestos (wasn't sure until test results got back) and that these contaminated areas should be sealed off.

Paul's January 28th visit ~~[illegible]~~ indicated that precautions stated about had not been taken. I felt OSHA should become involved.

2/18/93

left message with David Hooker (Attorney for the site) to discuss writing a letter or calling the PRP's to install warning signs around the roof area to warn of asbestos (friable) material. EPA cannot spend money on site until an action memo is signed. Test results have confirmed the area in the northwest corner of former Continental site is asbestos containing material.

2/23/93

0800 David Hooker left voicemail concerning above entry. David wasn't sure, but he would pose the question to Boardell & letter his supervisor for more guidance, he will get back to me.

1455 Called Denver Holt and asked if he had recieved the report that Paul had prepared on the Continental site. Denver said they had indeed recieved it and that he had turned it over to Gary Stout to perform a follow up inspection. Denver said he will have Gary Stout call me.

3/4/93 Telephone conversation with Gary Stout (OSHA) 314-425-4249. Gary said one of his inspectors visited the Brand Metal Building. They concluded that the Brand Metal Building is "in compliance". Gary said it was very dusty and that they visited with the owners. A consultant (Gary Simmons, Western) has taken air samples. Results are below OSHA standards for asbestos. (Stout) Gary said that no violations as far as asbestos are occurring right now, but asbestos may become a concern in the summer time when the weather is drier and warmer. Gary Stout also said that OSHA performed a safety inspection

last July and at that time they did find several safety violations which are being contested.

3/31/93 0900 Meeting Paul Doherty, Don Hamura, Alice Law, Paul Beatty Dave Hoefer,

We discussed site visit made by Paul Beatty & d. on 12/17/92 as well as all past events on this site. After much discussion it was decided to include the buildings in the CERCLA order as a VESHAP violation would be difficult to prove. We also discussed the Topan study and the possible solutions.

4/13/93

1000 Reviewed 104E letters per Dave Hoefer request. Letters are going out to Certainteed, GAF, Clark Properties and Kootmans (PG investments). Letters appear to be complete, no comments. Left Dave Hoefer message stating this.

4/27/93 Phone conversation with Wayne Miller. He said the Corp of Engineers at this time have no plans to perform any flood control work in the Malone Creek area adjacent to the former Certainteed, GAF facilities. I asked Wayne Miller to send me a copy of the Corp of Eng 1988 study entitled "Malone Creek Flood Control Reevaluation Study". Wayne will send me one if he can locate a copy.

5/25/93 Phone conversation with Mark Kootman. I asked for permission to visit the Maline site on 6/1/93 in the afternoon. He said this would be fine.

6/1/93 Site visit Maline Creek area, by Don Hamura, Bob Kohe and
1330 ATSDR Jake Joyce. We toured the creek area where the ACM is exposed along the creek. The purpose of this visit was to Jake Joyce visit and inspect the site. Site visit complete at 1440.

6/25/93 1030 Phone conversation with Steve Livalingam (Tapan and Associates) about Maline Creek. Steve wanted to know if 36 in of soil would be needed over the whole landfill or just the areas near the creek (northwest sections of property) and whether or not this would be needed to meet 40CFR Subtitle D requirements. We discussed what would be protective. The landfill itself (7 acres) has a pretty good cap on it (good integrity) with good grass cover. I asked Steve to consult with MDVR officials as to whether or not (36 in) would be necessary, and what would also have to be done to meet regulations. We both felt that more soil cover would be necessary over the areas where asbestos material is starting to surface (mainly in the northwest section). Steve will visit with Jim Hogue and consult MDVR and get back to me.

no other entries

DFH

Monday July 19, 1993

Paul Beatty, Bruce Wood and I arrived at 13:25 as it was difficult to get to the Contaminated site because of high water. We were finally able to reach the Branch Metal facility off of Hilton Drive.

Our inspection began in the old manufacturing. Mark Kostman accompanied Paul and I on the first 2 hours of our visit. Paul and I inspected piping and other areas where Paul Beatty's previous report (dated) had documented asbestos material. The purpose of this visit was to inspect the removal work which Mark Kostman had completed on the property. The removal involves asbestos materials and other ACM containing materials.
We then went to the Branch Metal building and inspected the areas that the aforementioned report documented asbestos. We also inspected the north side of the Branch Metal building. Also in this location, we saw what appeared to be transite pipe. Paul Beatty took several samples in this location and conducted photodocumentation.

Paul and I also toured the Creek area. The area where the asbestos is located was covered with water. We also conducted photodocumentation in this area.

Paul Doherty also returned message, saying he didn't believe a risk assessment would be necessary at the Contaminated site.

no other issues

Friday November 12, 1993

1415:- Flooding conditions throughout Iowa, Neb, Mo, and Kansas have diverted my attention and thus dealing with this site. Had Phone conversation with Jake Joyce (ATSDR). Jake said the initial review of the health consult he prepared has been completed by Atlanta. He now has to incorporate Atlantas comments into his consult and resubmit to Atlanta. Jake thought he could get this done fairly soon. I would like to have this completed before I have any more meetings concerning this site. Jake said he would make this a priority.

DPH
no other entries

February 7, 1994 Monday

0925: left voicemail messages for both Paul Doherty and Dave Hoelzer for Malone Creek meeting to be held in the Omaha Conference Room (3rd floor Westerfield) on 2/10/94 at 800 to 900.

OFF

no other entries

February 9, 1994 Wednesday

0850: Left Phone messages for Bob Morby and Jake Joyce to attend 2/24 meeting. Also left message for Ed Knight MDNR (314) 751-3176

0915: Scheduling conflicts with McCutchen, so meeting has been moved back to February 28 at 9:00 AM.

I also left message or talked to following people

Diane Parks	Kathi Thomas	Ed Knight (MDNR)
Jake Joyce	Paul Doherty	Paul Beatty
Dave Hoefer	Ann Keener	

Also McCutchen and Kathi have been scheduled

Diane Parks left myself and Karen February a message confirming Omaha Conf room 9-11 am Feb 28, 1994.

1030: Phone conversation with Ed Knight MDNR (Supervisor) I told Ed about the meeting on Malone Creek. He will try and attend, or schedule a conference call.

DPH

no other entries

February 10, 1994 Thursday

0800 = Meeting with Earl Doherty and Dave Hooker. We discussed site issues and strategy and developed an agenda for the meeting on February 28th.

DGH

No other entries

February 22, 1994 Tuesday

0933: Sending out through interoffice mail a memo, meeting agenda and draft health consults to the following individuals with to the Centralia Moline Beef meeting to be held 2/28/94 at 0900 in the Omaha Conference room.

Sent through interoffice mail memo and agenda and draft health consult to

Jake Joyce
Dave Hooker
Helen Tinson
Paul Doherty
Ann Kerr
Barbara Schiller
Paul Beatty
Bob Mosby

Also left copies in mailbox for McCutcheon and Kotter.

no other entries

February 28, 1994.

0900 Malive Creek Meeting Omaha conference room 3rd floor brotherhood building.

Those in attendance

Don Hameya
Paul Beatty
Paul Doherty
Helen Timson
Bob Morby
Baerbel Schiller
Sarah Sullivan
Tom Cruise (UDNR)
Jake Joyce (ATSDR)
Dave Hoefer
Ron McCutheon

Also Via Telephone
Dave Herwig
St Louis Health Dept
314-854-6915
-6921

I gave a briefing on site history and background as well as investigation history. An agenda from the meeting is located in the file.

Jake Joyce discussed the draft health consult for the site. A copy of this is also in the file.

Dave Hoefer discussed the PRP and enforcement concerns related to the site. Basically Certainteed and GAF are the main PRP's, USD is to a lesser extent.

Paul Doherty talked about program concerns relating to working with this site. He was concerned with

the actual threat, expenditures it would take to solve the problem. Paul also checked into bifurcation. Preliminary indications are that MSD doesn't have any money, the corp has studied the creek, but as of yet has taken no action. It would probably be difficult to work this out in a reasonable amount of time.

Bob Morby suggested we take a 3 tier approach.

First ask MDNR to address it under the solid waste laws.

Second if this fails invite PRP in for a conference and see if they would do the work.

Finally issue an Admin Order for the PRP's to clean up the site. If not we clean it up under Superfund.

We also discussed what steps to take to abate any imminent health threat.

Jake mentioned fencing off area, put up signs.
Dave Koefer mentioned that signs may cause more attention to the site and cause kids to go down there more than if no signs are posted.
Paul Doherty thought there was minimal chance of detecting any asbestos from Hi Vol air monitoring.

After discussing these issues, we decided to go

with Bob Mosby's three tiered approach. Dave Hoefer will compose a letter for HDVR of which we will review.
Probably then in the next several weeks the food health issues will be completed. We should know by then if HDVR will take any action. If not we will take action.

I brought up the point that what if any measures in the short term do we want to take to secure the site. Bob Mosby brought up the point that everyone else agreed to let HDVR (through the letter) see if they could handle it first. If not then we will take action.

DPH

MD other interest

Wednesday April 6, 1994

1430 = Received Final Health consult from ATSDR Today.
Left messages for both Paul Doherty and Dave Hoefer
that I had the final health consult and gave also summarized
recommendations over the phone for their information.

[illegible]

no other entries

Wednesday Oct 5, 1994

10:30 Meeting with MDNR rep at Jefferson City to discuss Maline Creek.

Tom Kruse led the meeting.

Tom said 20 houses were set for demolition because of flooding and positive asbestos sample results.

20 houses sampled
10 analyzed
6 positive
2 trace
2 neg

Cheryl Adelstein (FEMA)

PSI - Janeen Arrighi subcontractor

Bill Rudloff (Mayor)

Dave Herwig (St Louis Co MDNR)

Tom said additional 50 houses may be imported.

Water affected possibly 20-30 yards.

MDOH Rep Gayle Carlson

List of attendees in file

cont →

— DOH —
no other entries

10/5/94

Tom gave history of site and then gave a brief outline of a town meeting to be held tomorrow night.

We broke for lunch from 11:30: 1245

Meeting resumed at 1300.

We discussed and finalized roles and responsibilities for Thursday nights meeting.

Meeting adjourned 1320.

16:30 arrived back at KC.

[illegible]

no other entries

Thursday Oct 6, 1994

0730: Received voicemail from Marby, Hinsley, Doherty that through these discussions with MDNR (John Young) that MDNR ~~[illegible]~~ will be in the lead and EPA will be providing assistance.

0830 ~~[illegible]~~: Met with Mike Davis Ron McCutcheon Ray Crossland (for Chandler on phone) to discuss sampling strategy for next week at Maline Creek.

We discussed various alternatives. Felt the best would be to use Gilliam pumps (8 hour Niosh method) for air samples. Will also take sample from soils. Joe will work out details.

Carol Kathy had paid earlier in morning that Judy Hudson said we should not take any samples in houses.

0930: Visit with Mike Davis about a strategy to sample at Maline Creek. We went over various locations to set air samples and take soil samples.

1000: Message from Helen Timson. The meeting for Tonight has been cancelled (postponed until next week).

1610: Discussion with Ron McCutcheon. Ron discussed sampling in the houses at Maline Creek with Leo Aldeman ⇒

cont

[illegible]
no other entries

10/6/94 cont

and Jim Long (MDNR). Conclusion of discussion was that its best to not sample in the houses at this time.

[illegible]

[illegible] other [illegible]

October 7, 1994 Friday

0845: Meeting with Leo Alderman.

Those present Don Hamera, George Hess, Ron McAllister, Mike Davis, Judy Hudson, Leo Alderman.

Also via phone Wolfgang Brandner (for portion of meeting.

I discussed our proposed sampling strategy at this meeting. I explained proposed locations for air and soil sampling.

We also discussed the complexities of the site, how flooding may have deposited asbestos as well as how there may be material buried under the houses from an old landfill.

Everyone seemed comfortable with the proposed actions. I said we will not be getting out to sample until the meeting with the residents is held.

I explained how and where we will be setting up air monitors and will be taking an 8-hour sampling event sometime the last of October. This will be a standard NIOSH asbestos sampling event. One - 8 hour sampling with air monitors to be placed at various locations west of Maine Creek. Approx 10 monitors with 1 colocated and 1 background.

Albert Tholan 301-975-4017

October 11, 1994 Tuesday

1130: Conference Call with Wolfgang Brandner and Dave Kinroth (St Louis Tat).

We discussed the sampling event at Malone Creek.

Wolfgang defined AHERA Asbestos Hazards Emergency Response Act

Wolfgang said this was a law passed dealing with schools. Everyone who worked in or with schools and asbestos needed to get this certification.

Wolfgang recommended using Method 7402 (Transmission Electron Microposky) TEM for the analysis. Phase contrast Microposky is an outdated method or at least not as accurate as TEM. Wolfgang also recommend the lab we select have the NIST National Institute for Standards and technology cert. Dave will check on these things.

Wolfgang also recommend keeping air samplers away from stop signs, lights etc as fibers may be produced from brake pads.

We will set samplers at 1 meter high as Wolfgang said you would expect more fibers close to the ground.

August 1, 1993 Water Sealed

Wednesday October 12, 1994

1300: Met Tom Kruse, Bud Pratt, (MDNR) and Cheryl Adelstein (RJK) at Bellefontaine City Hall.

We proceeded down to the site, discussed the background and work that had proceeded so far.

Met with PSI contractor Jeanie Arrighi oversees sampling for Asbestos. Sampling will be down on 50 ft grid. Samples not wearing tyvec, but wearing half face respirator.

Visited with Herman Loberg, He gave brief description of flood event and show pictures.

1350-1410 off site get Photos. Cheryl Adelstein let me borrow a photo showing flooded areas of neighborhood. She said the crest was August 1, 1993.

1420: Visited with PSI discuss sampling event. PSI is sampling in 50 ft grid just around the houses that are being bought out.

1430: Depart for Branch Metals. Tom Kruse and Bud Pratt and I went to Branch Metals for inspection. Show them where Branch Metals had done previous cleaning (removal of asbestos) Also showed them areas where pipe (pieces) still remain and insulation around augers.

1530

10/12/94 cont

1445= Talked to Mike Kootman of Branch Metals (owner) Mike gave me permission to inspect entire property.

Proceeded to describe and show Tom Kruse and Bob Pratt the work which was completed around and mainly inside old Eastmaid [illegible] and current Branch Metal building.

1535= Depart for Embassy Suites Hotel.

[illegible]

in other witness

Friday Oct 14, 1994

0810 = Document People I met on this week trip.

Cheryl Adelstein RJK Inc Dir of Gov Services
314-940-1100

Bellefontaine Neighbors Mayor Marty Rudloff
City Hall 817-0076

9641 Bellefontaine Rd

Charlotte Youngman

Jeanne S Arrighi Dept Mgr. PSI
314 432-8073

[illegible]

no other entries

Monday Oct 17, 1994

1040: Delivered to David Hoefer (CNSL) Two video tapes on Certainteed Maline Gael by Joe Parish Tat. One is dated 3/17/92 and the other is dated 9/3/92.

Also Dave is borrowing several reports from my files so that PRP's can view them this afternoon. These are.

[illegible]

no other entries

Tuesday October 18, 1994

10:42: Message from Paul Doherty on Maline Creek.
Paul had talked to Steve Sturgess (MDNR) earlier this morning.

Paul said of the 121 soil samples (sampled for asbestos) which Fema took in the ~~[illegible]~~ area (gridded area) only 1 came back positive. This one positive sampled was supposedly collected from inside a structure.

So the following developments

MDNR is not expecting EPA to do any follow-up air or soil sampling at the Maline Creek site.

Fema will go ahead with there demolition work

MDNR will try to get commitment from PRP's to clean-up creek and stabilize bank.

Forwarded Paul's message to Ron McCutcheon

Paul felt that the 1 positive hit was indicative of asbestos from the building itself and not related to the flood.

[illegible]

no other intrusion

Friday Oct 21, 1994

1020: Voicemail from Paul Doherty. The state analysed their splits (see previous entries). No ~~[illegible]~~ asbestos was detected in their splits.

Also availability session on the 27th has been cancelled by the City.

Also Steve Sturgess said EPA would not be asked to do any additional sampling.

Passed this message to Kathy and McCutcheon.

1245 ~~[illegible]~~: Phone conversation with Steve Feeley (Tom Kruse supervisor) & confirmed that the sampling at Quality Coach site is off. Also no town meeting will be held.

1300: Shared above info with Dave Kinroth (St Louis Stat).

[illegible]

no other entries

Nov 4, 1994 Friday

0900: Recieved message from George Hess (George had been called by Tom Kruse). Kruse requests EPA analyze splits (play for them) using TEM method for sample from Malone Creek area. I assume these are split from Certainteed and/or GAF.

Checked with McCutcheon, Crossland. They felt it would be OK to do this just cut down to 25 samples instead of 55.

1030: Phone Conversation for Chandler. Asked for to go ahead and set up contract to analyze splits (above entry). Not to exceed 30 samples TEM method.

[signature]

no other entries

Monday Nov 14, 1994

1530: Phone discussion Steve Feeler (MDNR). I told Steve that had set up the contract and to send samples to:

Industrial Testing Laboratories Inc
2350 South 7th Street
St Louis Mo 63104
William Howey

Purchase Order # 99630

Steve said he will ~~[illegible]~~ have someone send samples over ASAP.

[illegible]

in other entries

Thursday November 17, 1994

1412. Received voicemail from Paul Doherty. He had received message from Gary Behrens (MSVR). The PRP's (Certainteed GAF) have indicated a willingness to do the Cleanup. Passed Paul's message on to McCutcheon and Kathe.

[illegible]

[illegible]

Wednesday December 7, 1994

1335: Phone conversation with Tom Kruse (MDNR). Tom updated me on the latest status of Maline Creek. He said negotiations were going well with Fortunatech and GAF. He also showed results from the split samples.

31 out of 108 analyzed by TEM

7 out of 31 > 1%

11 less than 1%

13 came back with none.

Tom will send me a copy of the results.

DPH

in other entries

Wednesday Dec 14, 1994

0830: Received call from Tom Kruse (MDNR). Tom is requesting air monitoring assistance from EPA. The demolition of the 20 houses (by FEMA) is starting late this week. I told him we could probably assist, but I will check with mgt first.

0845: Left message with Carol and Ron relaying above information.

1130: Carol left message giving the green light to air sampling.

1305: Relayed all info to Tom Kruse. Told Tom we could do the sampling within the next 3 to 4 weeks. This was fine with him.

[signature]

no other entries

Tuesday Dec 27, 1994

Phone conversation with Tom Kruse (MDNR). I informed Tom that we will sample on January 5th, but to meet him on site January 4th. All this depends on the weather. Plan is to leave Jan 3rd, set up access on the 4th and sample on the 5th.

Also called Dave Kimrod (tat) and relayed information to (above) to him.

DJK

no other entries

Thursday Dec 29, 1994

1430 - Phone conference Don Hamura
Doug Grune
Andra Gier

We discussed at length the sampling to be done at Marine Creeks.

Andra Gier consulted with Ray Narcons William Lowery and was able to find more information about the different methods

* TEM Aheara method measures structures gives results in Structures / millimeter squared.

Aheara can see fibers .1 micro in diameter x .2 length.

* Niosh 7402 (TEM) will only look at fibers 5 microns or larger; data is in fibers per cm^3

Andra Gier said Narcons (Environment and Energy consultant Inc lab were using) recommended a .45 micron mixed cellulose filters. Pumps between 1 to 10 liters per minute.

After much discussion we decided Aheara TEM method would be best suited so as to insure to detect small fibers.

Briefly talked over phone to Greg Crable (Asbestos)

— NPK —
more entries

12/29/94 cont

40CFR 763

about Chem method. They said Outdoor (background) criteria for Ambient air is 70 structures square millimeter

Gable suggested some other individuals at Research triangle park for more info.

Mike Berard 919-541-2623

Betsy Dutrow (Headquarters) 202-233-9061

Doug Brune will finalize (approve with comments) the QASP for Marine Corps. He should finalize Tuesday morning.

Also discussed Filter sample collection (Chem)

Soil sample will be done with the (analyzed) modified chatfield method

Meeting over approx 1550.

JPH

no other witness

Friday December 30, 1994

0900: Phone conversation with Dave Kinrich Audio Guy. Briefed Dave on yesterday events and conversations. Dave is setting up contractor Will Meet Dave at the site at 10:00.

[illegible]

no other entries

January 3, 1994

10:30 Phone conversation with Tom Krause (MDNR)

Tom checked this morning and the demolition work (FMC) will be going on this week. They are also doing some air monitoring at the site while demolition occurs.

Talked to Kenneth earlier this morning. Forecast for Thursday (1/5) for St. Louis is cold (15-20°) no snow is forecast. Dave said there is 1-2 inches of snow on the ground, but its spotty.

I decided (even with cold weather) to go ahead and do our air monitoring. The snow may affect the results, but feel it necessary to go ahead since demolition is occurring at the site and we have possible entrainment from the creek area.

[illegible]

No other items

Wednesday January 4, 1995

0830: Hamua, Kruse leave Embassy Suites.

0850: Arrive Bellfontaine City Hall.

Met with Mayor Marty Rudloff to discuss sampling to be done.
Cheryl Adelstein not available today.

Have City Clerk Charlotte Youngman back her aerial photograph which I borrowed on my last visit.

0915: Met with Mayor Rudloff and Director of Public Works Lou Roth.

We discussed and briefed them on our sampling activities. Mayor gave permission to put samplers up on City Property.

0940: Arrive Branch Metals. Mike Kootman gave permission to put up air samplers wherever needed on Branch Metal property. Told Mike samplers would be put up Thursday AM taken down Thursday PM.

1010: Darren Willits and Matt Burchem arrive on site. Tour Branch Metal, subdivision, describe past history.

1120: All proceed to City Hall to discuss ~~property~~ sampling locations.

cont

— DAH —
no other entries

1/4/95 cont

1120-1230 Met at City Hall discuss sampling locations. We select locations and note addresses.

13 air
2 blanks (don't unseal
1 blank (lab) unseal

2 splits 7402
2 splits PCM (7400)

21 soil samples
2 water

2 splits PLM

Break for lunch

1330: Drive to Bethlehem Cemetary

Frank Mirk (Superintendent) grants permission to put up air sampler in cemetary (background).

Hanna Kruse proceed to subdivision to secure permission to take samples.

1400 ★ 925 Marias Mr Unnerstall gives permission to sample (front yard)
Air and Soil
Replaces 908

1420 ★ 941 Marias Mr Howell gives permission to sample (Backyard)
Air and Soil
Replaces ~~[illegible]~~ 9234 Bellfontaine

1450 813 Marias Laura White gives permission to sample soil Only cont

[illegible]
no other notes

1/4/95 cont

1455 812 Morris Herman Robinson gives permission Soil Only
Front or back yard

1505 836 Lebon Ruth Shultz gives permission Air and Soil
Front Yard only.

1520 929 Lebon Artha King gives permission Soil Only
Front or back

1530 905 Lebon Mrs Sanders gives permission Soil Only
Take sample in front near water line.

Hanna Kruse go to City hall. Call Art Kuntz

H 741-3296

W 423-4480

Kuntz grants permission to take Air & Soil samples from Survey Lane Ballfields.

Summarize Samples

Air Samples 3 on Kootman Also Soils

4 in Common Area
(2 collocated)

1 demolition site

1 Cemetary (background)

1 Shultze 836 Lebon front only

2 splits
7402
TEM
7400
PCM
also splits for
PLM
soil

1/4/95 cont
Air samples cont
1 ballfield

1 941 Marias Backyard Howell

1 925 Marias frontyard Vannostal

13 Total

Soils Only.

4 ballfield

1 813 Marias front or back White

1 812 Marias front or back Loburg

1 929 Lebon front or back King

1 905 Lebon front (Sanders) water line

8

27 total Soil samples

Thomas Kruse complete work leave for Embassy Suites.

1640 Arrive Embassy Suites check voicemail.

1645: Call Dave Kinroth, Dave wants with lab, lab cont

DOK
no other entries

1/4/95 cont

on an sample split only run PCM (9400) and if anything found run 7402. I agree and tell Dave to do that.

JPH

in other interests

Thursday January 5, 1995

Forecast: Sunny Warmer High near 30 South Winds 10 to 15 MPH.

0644: Hamua arrives Branch Metals

0700: Kinrock Tat
Matt Burcham, Kyle Uber Env Opt arrive on site.

Discuss Health and Safety issues; Cold stress a concern. Also discuss strategy for putting up samples.

0900: 12 gallon pumps set up. 1 tal pump non operational.

Willkie (Env ops on site) he will get another Killian pump for Shultze residence.

1015-1045 break

1050-1300 Hamua Jalal El Jayyousi tour site

Kinrock Burcham taking soil samples and checking air samples.

1330: Jayyousi departs site.

1430: Hamua Kinrock complete soil sampling. cont

— OPK
no other entries

1/5/95 cont

1500 - 1700: Air samples taken down. Paperwork put in order.

1730: Air Soil sampling completed

Kinroch takes air samples back to office

Everyone departs site.

[illegible]

no other entries

February 22, 1995 Wednesday

0830: Phone discussion with Jalal El Jayousi Per Malne Beeh.

Jalal said they have given the data from the January 4th and 5th sampling to the Department of Health (Missouri).

Jalal also said they will be sending out data transmittal letters to the homeowners and landowners where the samples were taken.

NPH
no other entries

May 16, 1995 Tuesday

1120: Phone conversations with Fahd El Fayoumi (MDNR) with respect to current status of Maline Creek.

Fahd said that a draft AOC and SOW has been sent to Certainteed and GAF. Right now negotiations are ongoing. Fahd said PRP's seem willing to go forward.

DPH

no other entries