Site Assessment Report

For

Koppers - Texarkana Site
Texarkana, Bowie County, Texas

Prepared for

EPA - Region VI
Emergency Response Branch

J. Chris Petersen
Deputy Project Officer

By

Ecology and Environment, Inc.
Technical Assistance Team

6 November 1989

ecology and environment, inc.
1509 MAIN STREET, SUITE 814, DALLAS, TEXAS 75201, TEL. 214-742-6601
International Specialists in the Environment
recycled paper
Date: 6 November 1989
To: Mike Ryan, OSC
EPA Region VI, Emergency Response Branch
Thru: J. Chris Petersen, DPO
EPA Region VI, Emergency Response Branch
Thru: Kishor Fruitwala, TATL
Region 6, Technical Assistance Team
From: Carol A. Geraghty
Region 6, Technical Assistance Team
Subj: Site Assessment: Koppers - Texarkana Site
Texarkana, Bowie County, Texas
TDD# TO6-8910-10
PAN# TX0036SAD

OBJECTIVE:

On 13 October 1989, TAT was tasked to provide EPA oversight and
documentation of gas line repairs to houses located on the Koppers -
Texarkana National Priority List (NPL) site. The repairs would be
performed by Arkla Gas Company in Texarkana, Texas using a soil removal
and replacement plan preapproved by EPA (Bob Deese, RPM), Koppers
(Potential Responsible Party) and Arkla Gas Company. In addition, TAT
was tasked to photodocument the field activities and update the EPA-RPM
on a daily basis.

BACKGROUND:

Approximately six leaking gas lines along Hilam and West 3rd Streets were
in need of repair in a residential area located on the northern end of
the Koppers - Texarkana site in Texarkana, Bowie County, Texas
(Attachments 1 and 2). The site is the location of a former wood
treatment facility which generated large volumes of wastes, including
creosote. The Koppers site had been abandoned for many years and is
currently under an EPA remedial cleanup program.

On 28 September 1989, Bill Phelps, Superintendent of Operations at Arkla
Gas Company, and Bob Deese (EPA-RPM) agreed upon a soil removal and
replacement (SSR) procedure to be followed when repairing gas lines in
the affected area. According to the SSR procedure, the first eight to
ten inches of soil would be removed and placed to one side during the
excavation. The remaining soil to be excavated would be placed on a separate area away from the topsoil. Backfilling would be done in a reverse order with topsoil being replaced last. All excavations and backfillings would be completed daily with no open holes left overnight. Precautionary measures would be taken to ensure that no excavated soil would come in contact with the residents' yards (Attachment 3).

On 16 October 1989, TAT contacted Bill Phelps of Arkla Gas Company in Texarkana, Texas (Phone: 501-772-7146) and arranged to meet with him at 3:30 am on 17 October 1989 at the location of 2015 West 3rd Street in Texarkana, Texas. Details of the SSR procedure would be discussed with TAT before the beginning of any excavation work.

OBSERVATIONS:

As per schedule, TAT members Carol Geraghty (Project Manager) and Hillol Ray (Team Member) met with Bill Phelps and the Arkla Gas Company work crewmen on 17 October 1989 at 8:30 am at West 3rd Street in Texarkana, Texas. It was agreed between Arkla representatives and TAT that a large sheet of plywood would be used to hold the topsoil layer and either the side of the street and/or an additional sheet of plywood would be used to hold the lower soil layers. During this discussion, TAT emphasized the significance of keeping the top and bottom soil layers separate and away from the residents' yards.

Over a three day time period (17-19 October 1989), Arkla Gas Company work crewmen repaired a total of five gas lines along Milam and West 3rd Streets which involved the digging and backfilling of six holes (Attachment 2). On the first day of excavation (17 October 1989), four holes were dug and backfilled during the repair of three leaking gas lines. Three of those holes were dug along West 3rd Street and the fourth was dug on Milam Street. On 18 October 1989, no work was conducted at the site by the Arkla Gas Company due to rain and inclement weather earlier that morning. During a telephone conversation with TAT on 18 October 1989, Bill Phelps of Arkla Gas Company stated that the wet conditions would make it difficult to control and prevent the potentially creosote contaminated soil from spreading to other areas. By 19 October 1989, the soil had sufficiently dried and was suitable for Arkla Gas Company work crewmen to complete the repair of the two gas lines. The remaining repair work required the digging and backfilling of two more holes along Milam Street, south of the railroad tracks (Attachment 2).

During excavation of hole #1, at 8:40 am on 17 October 1989, Arkla crewmen had to sever and remove a large number of tree roots to allow access to the gas line (Photos 2, 3, 7). Bill Phelps stated that it would be very difficult to backfill the hole unless the tree roots could be removed and discarded. TAT consulted via telephone with Bob Deese (EPA-RPM) and it was determined that since the roots were not
contaminated with creosote, they could be disposed of as nonhazardous waste. No other problems were encountered by Arkla Gas Company crewmen while digging and backfilling any other holes.

TAT used the HNU photoionizer to monitor the air in the first two holes. Readings of 3.5 HNU units were observed in each instance. The small amount of organic vapors detected were probably caused by the natural gas leak in the buried service lines or from residual exhaust fumes from the backhoe.

As per TDD requirements, TAT photodocumented all site activities by Arkla Gas Company (Attachment 4). In addition, Bob Deese (EPA-RPM) was informed of the progress on a daily basis. The preapproved SSR procedure was carefully followed for each of the six holes dug at the site.

Several local residents were very curious about the gas line repairs, but no questions were directed to TAT. No representatives from the press or TV stations were on site during the repair activities.

All gas line repair work in the affected area was completed by Arkla Gas Company at 10:35 am on 19 October 1989. TAT informed EPA of the completion of the project and departed Texarkana at 11:11 am en route to the Dallas home office.

LIST OF ATTACHMENTS:

1. Site Location Map
2. Site Sketch
3. Letter to Bob Deese (EPA) from Bill Phelps (Arkla Gas Company)
4. Mounted Photographs
5. Negatives
6. Logbook Copies (Pgs 1-33)
7. Records-of-Communication (17 Pgs)
8. Copy of TDD# T06-8910-10
Site Location Map - Koppers, Texarkana
Milan St. (south of the railroad tracks) and West Third St.
Texarkana, Bowie County, Texas
Source: Rand McNally Street map of Texarkana (Arkansas and Texas)
Site Sketch - Koppers, Texarkana

Location of the six holes dug by Arkla Gas Co.
Texarkana, Bowie County, Texas

Not to scale
Mr. Deese:

As you requested per our phone conversation on 9/28 the following is a brief description of our plans to remove and replace soil in the Carver Terrace area.

Minimum soil removal will take place in approximately six areas along Milam and W 3rd streets.

During excavation we will remove the first eight to ten inches of soil and place to one side; the remaining dirt to be excavated will be placed separate from topsoil.

Backfill will be done in reverse order with topsoil being replaced last.

All excavation sites will be completed daily with no open trenches left over right.

Construction is expected to start the week of October 3rd, should you have any questions or need any further information please let me know.

Sincerely,

Bill Phelps
Superintendent of Operations
Photographer / Witness
Hillol Ray / Carol Craghty

Date / Time / Direction
10-17-35 / 0835 / N

Comments: Photo 2 (Neg. 1): View of location for hole #1 in front of 2010 3rd St. as digging was begun by Arkla Gas Co. Plywood was set up to hold the topsoil (left) and lower layers of soil (center).
Comments: Photo 1 (Neg. 2): View of Aekla Gas workers digging hole #1 and placing the topsoil on the plywood and away from the resident's yard.

Comments: Photo 4 (Neg. 3): View of the second hole being dug across the street from 2010 3rd St. Both holes were needed to repair the broken main line to residence 2010. The topsoil and lower soil layers were segregated and kept off the resident's lawn.
Comments: Photo 5 (Neg. 4): Arkla workers repairing line in hole r2. Arkla crewman Greg Mouser is to the far left of the picture and Arkla Superintendent of Operations, Bill Phelps is to the far right side.

Comments: Photo 6 (Neg. 5): View of hole r2 after it was filled in with the backhoe. The red line near hole r2 marks the spot where hole r3 will be dug to repair the line for the resident at 2011 3rd St.
Photographer / Witness
Hillol Ray / Carol Geraughty

Date / Time / Direction
10-17-89 / 1250 / N

Comments: Photo / (Neg. #): View of repaired hole #1. The clean roots on the left-hand side of the picture were disposed of by Arkla workers.

Photographer / Witness
Hillol Ray / Carol Geraughty

Date / Time / Direction
10-17-89 / 1300 / N

Comments: Photo # (Neg. #): View of repair work being done in hole #1 from resident’s yard at 2011 3rd St. Filled in holes 21 and 21 are also visible next to and across the street from the workers, respectively. Arkla crew men from left to right: Fred (backhoe driver), Greg Houser, Tommy Adams, and Bill Phelps.
Comments: Photo 9 (Reg. 8): View of repaired holes #3 and #2 center and right of the picture, respectively.

Comments: Photo 10 (Reg. 9): View of location where hole #4 will be dug to repair the gas line for the resident across the street. Residence 33 Milan St. is in the photo.
Photographer / Witness
Hilol Ray / Carol Geraghty

Date / Time / Direction
10-17-89 / 14:25 / NW

Comments: Photo 11 (Neg. 10): Arterial view working in hole #4. Topsoil is on plywood and lower layers of soil are in the street.

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Photographer / Witness
Hilol Ray / Carol Geraghty

Date / Time / Direction
10-17-89 / 15:25 / W

Comments: Photo 12 (Neg. 11): View of residence at 333 Milam St. after hole #4 had been repaired.
Photographer / Witness
Hillol Ray / Carol Neaghly

Date / Time / Direction
10-19-89 / 08:32 / S

Comments: Photo 13 (Neg. 12): Photo of resident and hand made warning sign at 365 Milam St. near where the gas lines were being repaired. Resident did not communicate with either TAT or Arkia Gas representatives at the site.
Photographer / Witness
Millie Ray / Carol Geraughty
Date / Time / Direction
10-19-89 / 0840 / NW
Comments: Photo 14 (Neg. 13): View of location where hole #5 will be dug to repair the gas line for the resident living at 349 Milam St.
Comments: Photo 15 (Neg. 14): View of Arkla crew in hole #5 repairing the gas line. Resident of 349 Milam is observing. The topsoil is on the plywood to the right and the lower layer of soil is on the plywood to the left.
Comments: Photo 17 (Neg. 16): View of location where hole #6 will be dug at the 361 Milam St. residence. The red X marks the location of the leaking gas line.

Comments: Photo 18 (Neg. 17): View of hole #6 as the gas line was being repaired. The topsoil and grass layer was placed on plywood and the lower level soil was placed on the street.
<table>
<thead>
<tr>
<th>Photographer / Witness</th>
<th>Millol Ray / Carol Feraghty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date / Time / Direction</td>
<td>10-19-89 / 1015 / W</td>
</tr>
<tr>
<td>Comments:</td>
<td>Photo 19 (Req. 18): View of repaired hole #6 in front of 361 Milam Street.</td>
</tr>
</tbody>
</table>

| Date / Time / Direction| 10-19-89 / 1036 / S         |
| Comments:              | Photo 20 (Req. 19): South view of Milam St. taken from the intersection of Milam and Travis just after repairs had been completed on that street (repairs on right hand side of photo). |
Photographer / Witness
Hillol Ray / Carol Geraghty

Date / Time / Direction
10-19-89 / 1041 / W

Comments: Photo 21 (Neg. 20): West view of 3rd St. from the church parking lot the day after the repairs had been completed.
<table>
<thead>
<tr>
<th>35 Clasp (5 x 7&quot;)</th>
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E & E Job Number: TS1306

Telephone Code Number: 

Site Name: Koppers, Texarkana

State/City: Texas / Texarkana

TDD: 706-8910-10

PAN: TX00365AD

SSID: TX09806723904

Start/Finish Date: 10-16-89 / 10-19-89

Book: 1 of 1

E & E Emergency Response Center: (716) 684-8940

014463
0915 TAT members Carol Geaghty and Hillel Ray were assigned to the Koppers project - TDP # 706-8910-10. Carol Geaghty will function as project manager and Hillel Ray will function as safety officer/Team member. Chio Giannini did not have the details of the project - C. Geaghty will call Bob Deese of the EPA Superfund Remedial Program for information. The project will be administered through Mike Ryan (OSC).

0925 C. Geaghty left message at EPA for Bob Deese to call (EPA # 655-6735)

$100 C. Geaghty received call from Bob Deese. The details of the project were discussed. Arkla 600 Co. is planning to repair some gas lines on Milam St. and west 3rd street in Texarkana, TX. beginning on 10-16-89 at 9:30AM. This residential area was at one time contaminated with creosote used by an old wood treatment facility. Years ago the site was excavated, backfilled with creosote, and houses were built on top. TAT was tasked to monitor the gas company's repair work and provide photo documentation, air monitoring as needed, and act as go between for the EPA & 600 Co. if any problems or questions arise. Any resident or press will be given the EPA number in Dallas to contact. The project is expected to last approx 3 days. In addition, TAT is to make sure no soil is allowed on the residents property. Excavation procedures as described in a letter sent to Bob Deese on Oct 2, 1987 by Bill Phelps will be followed: remove soil in layers, 1st 8-10 y remaining layers and segregated. It will be replaced in the opposite order w/ topsoil going in last. C. Geaghty is to call Bob Deese directly if any problems or questions come up.

1130 C. Geaghty called Mike Ryan (OSC) 655-2270 to inquire about Carol Geaghty
0925 - TAP arrived on site. (end of morning)
0945 - TAP arrived on site. (end of morning)
1000 - Look north on Pine St. TAP is located next to the Streetcar tracks.
1045 - South on South 1st St. TAP is located next to the Streetcar tracks.
1100 - South on South 1st St. TAP is located next to the Streetcar tracks.
1115 - TAP is located next to the Streetcar tracks.
1130 - TAP is located next to the Streetcar tracks.
1145 - TAP is located next to the Streetcar tracks.
1200 - TAP is located next to the Streetcar tracks.
1215 - TAP is located next to the Streetcar tracks.
1230 - TAP is located next to the Streetcar tracks.
1245 - TAP is located next to the Streetcar tracks.
1300 - TAP is located next to the Streetcar tracks.
1315 - TAP is located next to the Streetcar tracks.
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1430 - TAP is located next to the Streetcar tracks.
1445 - TAP is located next to the Streetcar tracks.
1500 - TAP is located next to the Streetcar tracks.
1515 - TAP is located next to the Streetcar tracks.
1530 - TAP is located next to the Streetcar tracks.
1545 - TAP is located next to the Streetcar tracks.
0845 C.E. warning again yelled with
danger from below.

0846 Can't exactly agree told with

0847 Photo 1 by hill on right

0848 Photo 2 by hill on right

0849 Photo 3 by hill on right

Imagine across the street from each other
The sound they would be making
A corner on site (from Arctic Gas)
Operation from upstream. 12, 7, 11

0834 G Hill Photo. Superimposition of
0835 G Hill Photo. Superimposition of
G Hill Photo. Superimposition of
G Hill Photo. Superimposition of

0830 TFM memo to cold, cold weather
and wind.
Describe very minor, not major. No
1200 Cold W. 1200 Cold W. 1200 Cold W.

0800 Cold weather condition. Caution on

0700 Caution on

0600 (Actually the time being)

0600 (Actually the time being)

10-17-89

K.000-17-89
Bill Phelps said they would be exchanging plastic lines, not repairing pipes. They would be digging 18" 2 ft for service lines and 3-4 ft for main. There are 6-8 lines that need repair and should take ~ 2-3 days.

0855 Bill Phelps asked THP member Carol Geaghty if they could dispose of the roots pulled out of hole #1 or if not was there a place on the site they could be taken to. C Geaghty said she would need to consult with EPA.

0900 Geaghty off site to call EPA.

0902 Excavation done at first hole in front of house #2 2011.

0922 Excavation finished at 2nd hole.

0923 Geaghty returned to the Command post.

0907 C Geaghty stopped at pay phone ~ 2 miles from site and called Bob Deese (214-655-6735) at the EPA in Dallas. C Geaghty explained to Bob that was all they had to do the call was charged on AT&T card - pay phone # (214) 793-6700. C Geaghty explained to Bob that there was no creosote on the roots - Artka could dispose of it as they desired. If there was creosote - bundle, secure the roots in a container and place it on the Koppers site. C Geaghty would notify EPA and EPA would notify Koppers to put it in trash bins.

0924 The Hana was calibrated for use by C Geaghty. Hana EPA #1 (No. 145508) 10.2 ppm Spara 9.5 setting to show 57 ppm (cal gas 57 ppm @ Spara 9.8 w/ 10.2 ppm probe - 10 297/2 100 ppm isobutylene/air).

Background read ~ 0 ppm.

Inside hole # 2 ~ 3-3.5 ppm.

Inside hole # 1 ~ 3-3.5 ppm.
KOPPERS 10-17-89

Worker, he explained they dug hole #1
2 to repair hole 2010 and would
be digging another hole next to #2
(where the red x is located) to
repair the line for house 2011.

1115 Photo 6 by Hillol Ray witness

Carol Geaghty. Completed hole #2
Red x on grass denotes hole #3
to be dug. NE direction.

1115 Backhoe moved from completed
hole #2 to finish work on hole
#1.

1119 backhoe finished hole #1

1120 Bill Phelps arrived back on site

1125 Workers departed for lunch

1135 TAT members secured equipment
and accompanied Bill Phelps for
lunch (dutch). The temp is still
~ 56°. During lunch B. Phelps realized
TAT there were only 6 lines
to be repaired in the affected
area - not 8 as earlier
suspected.

1240 TAT & Bill Phelps arrived back at
the site. Workers had begun
and Geaghty

KOPPERS 10-17-89

digging hole #3 (where red x was)

1250 Photo 7 by Hillol Ray witness

Carol Geaghty. North view of covered
hole #1.

2010 Photo 1 + 2 to repair
house 2010

1115 hole #3 to repair house 2011

1255 The TAT was used to check
hole #3 - background read 0
and inside hole read 0.

TAT is suspicious that the TAT
may not be functioning since there
was no deflection on the scale
and leaking gas should have
indicated something.

1300 Photo 8 by Hillol Ray witness

Carol Geaghty repair for resident 2011 -
top soil on gey wood - bottom layer
on street. 3 workers + Bill 1
Photo - North view.

1305 TAT member C Geaghty re checked
TAT with the calibration gas -
there was no response. The
TAT was stored in the van until
Carol Geaghty.
10-17-89

KOPPERS

1305 Bill Phelps off site -
Workers had found 2 pieces of wood in hole #3. They will be replaced in the bottom of the hole when refilled.

1345 Began filling hole #3

1355 Completed filling hole #3

Photo 9 by Hillol Ray witness
Carol Grady, South view -
Covered hole #3

1400 Work crew is moving to next location about halfway down Milam Street. TAT followed crew.

1405 Worker explained they had to dig a main line across the street from the house (Vacant) receiving repair.

The hole (#4) will need to be dug under some gravel. He asked if they had to use the plywood for the gravel & TAT member Grady suggested that would be best.

Carol Grady

1425 Photo 10 by Hillol Ray witness
Carol Grady, NW view of hole #4 that was dug.

1455 Mr. Jeardan from Arkla (immediate supervisor of crew - in court (jury duty)
all morning) arrived on site & introduced himself to TAT & said Grady.
KOPPERS 10-17-89

Mr. Jeardar & crew member discussed the remaining work to be done on this street.

1520 They finished filling hole #1. C. Greathy raked over gravel. The worker had been talking to most of the afternoon. He doesn't normally work with the crew but did today to speed things up.

1525 Photo 12 by Hillard Ray with West View of filled hole #4 on Milan street.

1602 TAT arrived back at hotel.

1608 TAT member C. Greathy called ATTAC Chris Quinn 1-800-288-2503. She informed him of the status of the project - everything was going smoothly, Greathy called Bob Deese this morning to determine where to put the roots dislodged.

C. Greathy
KOPPERS 10-17-89

in the excavation, HWU readings were 3.5 ppm in the lakes where there were gas leaks, HWU stopped working on 3rd hole - Chris said it was probably due to a short and to try again, 3 lines were repaired today and 3 more will be repaired tomorrow. Graeghty said they would return to Dallas Wednesday or Thursday depending on the work Wed.

1617 TAT called Graeghty of EPA (214-655-6735) and explained everything was going smoothly, no press was involved and they were half through. Graeghty will call again tomorrow when they are through.

1625 TAT members Graeghty & Ray decided to check out of the hotel at 7:45 am tomorrow, then proceed to the site. If necessary the rooms will be rented Wednesday.

1630 Final weather conditions: 70°, 50% humidity, winds N 12 mph.

Carol Graeghty
0723 TAT member Carol Geraghty received a phone call from Bill Phelps of Arkla Gas Co. They discussed the rainy conditions at Texarkana. Bill Phelps said they would not be doing any gas line repairs during the rain. He said they would probably wait about 2 hours after the rain stopped (if it does) before they would go to the site. He is predicting that no work will be done today but will give Geraghty a call if they decide to go out.

0730 Weather conditions at Texarkana, TX: light rain & fog; 48°; wind chill 34°; 89% humidity; winds N 14 mph. (Source: the Weather Channel)

Forecast: Today - Windy, cool, scattered showers, 50% chance of rain, 15-25 mph winds from the North, high mid 50's
Tomorrow - Sunny but cool mid 50's
10-15 mph North winds

10:45 The rain stopped over 2 hours ago. It is still very cloudy outside. C.Geraghty called Bill Phelps of Arkla (501-772-7146) to discuss the status of the gas repair project. He was unavailable to talk at the moment so a message was left to return the call.

11:25 Bill Phelps returned Carol Geraghty's call. He said that they had a couple of emergency calls this morning and they would not be able to start on the Milam Street lines until late afternoon, weather permitting. He said even if they could start this afternoon in the wet soil, there was a very good chance they might have to leave some of the holes open overnight. Since neither Bill Phelps nor Carol Geraghty wanted to take that chance, Bill said they would resume excavating at 8:30 tomorrow morning.

11:31 C. Geraghty called Chris Guna at Card Geraghty
E+E in Dallas (1-800-288-2503). Chris was not in but C.Geraghty spoke to Curtis Franklin. She explained the rain delay and that the job was expected to be resumed and probably completed tomorrow. C.Geraghty indicated she had tried to call EPA first but there was no answer - she will call again.

1136 C.Geraghty called Bob Deese's office (214-655-6735). Neither Bob Deese nor his secretary was available. C.Geraghty left a message for Bob Deese to call her at the hotel. She also left a brief message indicating the status of the gas line repairs (delay due to rain).

1150 TAT went to lunch.

1235 TAT returned to hotel from lunch - there were no messages.

1245 TAT member Geraghty attempted to get the HNU operational without success.

1503 C.Geraghty called Bob Deese at EPA (214-655-6735) to confirm that TAT will stay overnight and monitor the gas line repairs scheduled for tomorrow.

Ray planned to meet tomorrow at 0745, check out of the hotel and go to the site (Milam street).
0745 TAT members Carol Geaghty and Hillol Ray checked out of the Sheraton Hotel and departed for the site. Current weather conditions: clear, 37°F, wind chill 22°F, winds NNW 12 mph, humidity 71%. Forecast for today: high mid 50's winds 10-20 mph from the North & diminishing (source: the weather channel).

0800 Hillol Ray conducted a safety meeting en route to the site, potential hazards such as the backhoe, and the cold were discussed. Carol Geaghty/ Hillol Ray.

0810 TAT arrived at the site (Milan street). Arkla Gas Company has not yet arrived.

0825 Arkla crew member Greg Houser was on site.

0830 Arkla backhoe & backhoe driver (Fred) on site.

0832 Photo 13 by Hillol Ray, witnesses Carol Geaghty South shut down Milan street of sign erected in Carol Geaghty.

0850 Photo 14 by Hillol Ray, witness Carol Geaghty North well view of hole # 5 for being dug near Resident 349 on Milan.

0845 began digging hole - Topsoil placed on plywood to the right of hole, lower layers of dirt to the left.

0903 Digging complete, repair being made.

0856 Photo 15 by Hillol Ray, witness Carol Geaghty South view of clay hole near 349 Milan, Resident 349 in background, leak being repaired by Arkla.

0904 gas line is repaired and Arkla is filling in the hole - lower layer dirt put in first. After using the backhoe, Arkla.

[Diagram of hole #5 with labels: 349, 352, North, Milan, hole #5]
KOPPERS
10-19-89
Fred shoveled in the remaining dirt by hand then tilted the plywood to get all of the lower layers first.
0915 Hole has been completely filled.

Photo #6 by Hildl Ray witness Carol Gugliely SW view of repaired hole #5 (349 Milam)

0920 TAR Gugliely spoke to the backhoe driver Fred. He said there was one more line close to the one just repaired and a second possible leak they will check.

0925 Photo #7 by Hildl Ray witness Carol Gugliely West view of where hole #4 will be, Milam #361

0926 Began digging hole #6.

There was dark soil.

KOPPERS
10-19-89
In the lower level of hole #6 indicating Cross Oil it appeared dry.
0936 Digging was completed for hole #4.
0939 Photo #8 by Hildl Ray witness C. Gugliely SW view of hole #6 as the line is being refilled.
0958 Repairs have been completed and the hole is being refilled.

1014 The hole has been repaired.

1015 Photo #9 by Hildl Ray witness C. Gugliely West view of repaired hole #6 (361 Milam Street)

1016 TAR & Arkla moved to new location South in Milam St (last house on West side of street)

1018 Arkla is checking to see if a leak is actually present. They used a Slumber type device to make a small hole in the ground - they inserted a probe to detect gas.

1025 Greg Hanson told TAR there was no leak and they were through with repairs on Milam South of the track.

Carol Gugliely

014477
10:35 Arkla crew off site.

10:36 Photo 2D by Hillol Ray witness.

Cedric Bergathy South view of Milan street from Milan-Trans intersection after work had been completed.

10:41 Photo 2E by Hillol Ray witness.

Cedric Bergathy West view of 3rd street from church parking lot area showing houses where work had been completed.

10:42 TAT off site in route to location to make phone calls.

10:52 Stopped at pay phone in circle K on State line Rd. to make phone call: 1809 State Line Rd, Jenkintown, PA.

10:55 Cedric Bergathy called Bill Phelps of Arkla Gas Co (501-772-7146) to double check that all lines in the superfund site had been repaired. He confirmed that they had. Cedric thanked him for his cooperation.

11:05 Cedric Bergathy called Bob Deese's office (Dallas, EPA 214-655-6735) 

11:08 Cedric Bergathy called TAT (1-800-288-2503) and talked to Curtis Franklin. She told him everything was completed at the site and TAT was ready to return to Dallas. He said that sounded fine. TAT plans to be in the office Friday morning.

11:11 TAT departed Texarkana in route to Dallas.

12:25 TAT stopped in MT Pleasant for lunch.

13:08 TAT departed MT Pleasant in route to Dallas.

15:20 Cedric Bergathy dropped of Hillol Ray at his home in Garland, TX.

16:03 Cedric Bergathy purchased gas for EPA-332.
PHONE CONVERSATION RECORD

Conversation with: 
Name Bob Deese 
Company EPA - Superfund Remedial 
Address 
Phone (214) 655-6735 
Subject To discuss details of project - T06-8910-10 

Date 10/16/89 
Time 9:25 AM/PM 

Notes: Mr. Deese was gone to a section meeting. I left a message with the receptionist for him to call me at the E+E office.

Follow-Up-Action: 

File 
Tickle File 
Follow-Up By: 
Copy/Route To: 

Originator's Initials Carol Geraghty
PHONE CONVERSATION RECORD

Conversation with: Bob Deese
Name
Company EPA - Superfund Remedial
Address
Phone (214) 655-6735

Date 10/16/89
Time 11:00 AM

□ Originator Placed Call
□ Originator Received Call

W.O. NO.

Subject To discuss details of project - 706-8910-10

Notes: Instructions from Bob Deese: Arkla gas Co. will be excavating to repair gas lines along Milam St and West 3rd street (SW Texarkana area). They should begin at ~ 9:30 AM Tuesday, and were told a representative would meet their workers at the site. They are to remove the first 8-10 inches and lay on one side, and the remaining dirt will be placed on another side. The dirt is to be replaced in reverse order. TAT is to bring HNU to check out anything suspicious - constant monitoring not necessary. Photodocument activities. Act as go between - if they have any questions or if problems arise, check with Bob Deese at EPA. Do not talk with residents or press - refer them to Rodger Meecham (EPA Office in Dallas). Stress that EPA does not want any material on any yards - put in street or on plastic - not on yard. Call if it will take more than 3 days or if there are problems. OSC Mike Ryan will be in charge of all administrative functions (reports, etc.).

Follow-Up-Action:

□ File
□ Tickle File
□ Follow-Up By:
□ Copy/Route To:

Originator's initials
PHONE CONVERSATION RECORD

Conversation with: [Name] Mike Ryan
Company: EPA (OSC)
Address: 

Date: 10/16/89  Time: 11:30 AM/PM

☐ Originator Placed Call  ☐ Originator Received Call
W.O. NO.: 

Phone: (214) 655-2270

Subject: Confirm reporting needed for TDD TDS-87/10-10

Notes: Mike Ryan said no POLREP's were needed, photodocument and submit report. I told him we did not yet have the TDD and Bob Deese had mentioned a letter from Arklia describing their excavation procedures. He said he had a copy of the letter that could be picked up after 1 pm. from his office. He said it was not necessary to keep him informed by telephone during the excavation procedures - contact Bob Deese.

Follow-Up-Action: Pick up letter from Arklia from the EPA this afternoon

File:  Tickle File:  Follow-Up By:  Copy/Route To: 

Originator's Initials: Cay
Conversation with: 
Name ____________________________________________
Company Arklco Gas Company ___________________________
Address 201 E. 28th St. ________________________________
Texarkana, Ark. 75502 _________________________________
Phone (501) 772-7146 ________________________________
Subject Gas line repairs on 3rd and Milam streets in Texarkana, TX

Date 10/16/89 
Time 11:55 AM/PM

Notes: I spoke with the receptionist and explained that I needed to talk with someone in charge of the gas line repairs on 3rd and Milam streets scheduled for tomorrow. I said I was a contractor for the EPA and Arklco was aware representatives would be coming to the site. She took my name and number and said I would probably need to talk with Rodger Pierfort (overall construction) or Stanley How (Rodger’s boss). She said she would have someone call me when they returned from lunch.

Follow-Up-Action: ____________________________

File ____________ Tickle File ____________ Follow-Up By: ____________________________
Copy/Route To: ____________________________

Originator’s Initials ____________
PHOTO CONVERSATION RECORD

Conversation with: Bill Phelps
Name: Arkie Gas Company
Company: 201 E. 28th st.
Address: Texarkana, Ark. 75502
Phone: (501) 772-7146
Subject: Gas Line Repairs on 3rd and Milam Streets in Texarkana, TX

Notes: He said the repairs will begin near 2015 West 3rd Street. He would like to start at 8:30 AM if possible. I said we could make it at 8:30 AM. They will be using a back hoe and 2 ton truck. I mentioned to him the need to keep soil off residents yards - he said they would use the street and plywood.

Date: 10/16/89
Time: 1:15 AM

☐ Originator Placed Call
☐ Originator Received Call

Follow-Up-Action:

File
Tickle File
Follow-Up By:
Copy/Route To:

Originator's Initials: CGA
**PHONE CONVERSATION RECORD**

**Conversation with:**
Name: Bob Deese
Company: EPA - Superfund Remedial
Address: 
Phone: (214) 655-6735

**Subject:** What to do with roots removed from excavated area

**Date:** 10/17/89  
**Time:** 9:07 AM/PM

- [ ] Originator Placed Call
- [ ] Originator Received Call (214) 793-8700
- W.O. NO. Phone booth at Texarkana

**Notes:** I informed Bob Deese that in the first hole dug, a large number of tree roots had to be cut and removed to get to the gas line. Bill Phelps asked if the roots could be disposed of by normal methods. The hole was dug near house 2006 on 3rd Street. Bob Deese asked me if the roots had any creosote and I told him they looked clean. He said to handle roots as follows: if clean - dispose of normally

**Follow-Up-Action:** I informed Bill Phelps of Bob Deese's reply

**Originator's Initials:** [Signature]
PHONE CONVERSATION RECORD

Conversation with: Chris Quinn
Name: Chris Quinn
Company: E+E
Address: Dallas
Phone: 1-800-288-2503
Subject: Inform him of the day's activities on project T06-8910-10

Date: 10/17/89
Time: 4:08 AM/PM

☐ Originator Placed Call
☐ Originator Received Call
Originator at: Sheraton, Texarkana, TX
W.O. NO.: (214) 792-3222, FM 409

Notes: I told Chris the status of the project; everything had been going smoothly. Arkla had completed repairs on 3 of 6 lines; we were photodocumenting process. Only problems were the question of what to do with dislodged roots (I called Bob Deese for the answer) and the HNA stopped working in the afternoon. Chris suggested it may only be a short in the HNA probe and to try and adjust the connection. We plan to return Wed night or Thursday.

Follow-Up Action:

☐ File
☐ Tickle File
☐ Follow-Up By:
☐ Copy/Route To:

Originator's Initials: Cay
Conversation with: Bob Deese
Company: EPA - Superfund Remedial
Address: 
Phone: (214) 655-6735
Subject: Project To6-8910-10
Date: 10/17/89
Time: 4:17 AM/PM

Notes: I gave Bob a brief outline of the day's events - everything has gone smoothly; no press or residents were on site. Artie completed 3 out of 6 total lines and should finish the job tomorrow. I told him I would call back tomorrow afternoon or earlier if there is a problem.

Follow-Up-Action:

File: 
Tickle File: 
Follow-Up By: 
Copy/Route To: 
Originator's Initials: 

[Signature] 
Originator 1
Conversation with: Name Bill Phelps
Company Arkla Gas Company
Address 201 E. 28th St.
Texarkana, Ark. 75502
Phone (501) 772-7146
Subject Gas line repairs on Milam Street near Kopper's Site.

Notes: The weather conditions in Texarkana this morning include light rain and fog. Bill Phelps said they would not be doing any gas line repairs with their heavy equipment during the rain. If it did stop raining, they would need to wait approx. 2 hours for the water to run off before they could do any work. He is predicting that with the stormy light rain they may not get to do any work on Milam Street at all today. He will call me at the hotel if conditions change and they can resume repairs.

Follow-Up-Action: I plan to call Bill around noon to check the status if he hasn't called me first.

Originator's Initials Cay
PHOTO CONVERSATION RECORD

Conversation with: Bill Phelps

Date: 10/18/89

Name: Bill Phelps

Company: Arkla Gas Co.

Address: 201 E. 28th St., Texarkana, Ark. 75522

Phone: (501) 772-7146

Subject: Status of gas repair project

Notes: Bill Phelps was unable to come to the phone. I left a message for him to call me at the hotel to discuss the status of the gas repair work (the rain had stopped over 2 hours ago).

Follow-Up-Action:

[Signature] Carol Coteauchy

Originator's Initials: Cay
Conversation with:
Name: Bill Phelps
Company: Arkla Gas Company
Address: 201 E. 28th St., Texarkana, Ark. 75502
Phone: (501) 772-7146

Subject: Status of gas line repairs to be conducted on Milam Street

Notes:
Bill Phelps said they had a couple of emergency repairs they had to work on this morning. He said they could not get started on the Milam Street repairs without the possibility of leaving a hole open overnight. He said they would get started at 8:30 Am tomorrow and they hope to finish by tomorrow afternoon.

(Note: Rain this morning prevented excavation work on the Milam Street houses today)

Follow-Up-Action:

Originator's Initials: CP
PHONE CONVERSATION RECORD

Conversation with: Chris Quina
Name

Company E+E

Address

Time 11:31 AM/PM

Phone 1-800-286-2503

Subject Inquire him of our delay and the status of the project.

Notes: Chris was out so I talked to Curtis Franklin. Instead, I explained the rain delay and said we would try to make it back to the office (Dallas) Thursday night if they finish the work tomorrow. I told him I had tried to reach EPA a few minutes earlier without luck but will try again.

Follow-Up-Action:

Originator's Initials COJ
Conversation with: Bob Deese
Company: EPA - Superfund Remedial
Address: 

Phone: (214) 655-6735

Subject: Inform him of the delay on project T06-8910-10.

Notes: I left a message with the receptionist for Bob Deese to call me at the hotel. I also stated that because of rain this morning no excavation work was conducted on the site by Ackla Basco.

Date: 10/18/89
Time: 11:36 AM/PM

Originator Placed Call

Follow-Up-Action:

File
Tickle File
Follow-Up By:
Copy/Route To:

Originator's Initials: COPY
PHONE CONVERSATION RECORD

Conversation with: Bob Deese
Name

Company EPA-Superfund Remedial

Address

Phone (214) 655-6735

Subject Delay of project TO6-8910-10

Date 10/18/89

Time 3:03 AM/PM

☐ Originator Placed Call
☐ Originator Received Call

W.O. NO. __________

Notes: I called to verify if Bob Deese had received my earlier message. He said he had. We discussed the rain delay and the fact that Akla-gas would not be doing any more digging on the site until tomorrow. Bob said for us to stay in town until they finished. I said I would call again tomorrow afternoon with the status.

Follow-Up-Action: Call Bob Deese tomorrow with a status report.

☐ File
☐ Tickle File
☐ Follow-Up By:
☐ Copy/Route To:

Originator's Initials

Carol Gevaughy
PHONE CONVERSATION RECORD

Conversation with: Bob Deese
Name  Bob Deese
Company  EPA - Superfund Remedial
Address
Phone  (214) 655 - 6735
Subject  Project TP6 - 89/10/10

Date  10/19/89
Time  11:05 AM

Notes:  Bob is out of the office until Monday. I spoke to Valerie, his secretary. She said I was to be referred to Stan - but he was also out of the office. I left the message that everything had gone well and that all the gas lines in the Superfund site had been repaired. DAR was planning to return to Dallas in the next few minutes.

Follow-Up-Action:

Originator's Initials  CAY
PHONE CONVERSATION RECORD

Conversation with: Bill Phelps
Name: Bill Phelps
Company: Arkie Gas Company
Address: 201 E. 28th St., Texarkana, Ark. 75502
Phone: (501) 772-7146

Subject: Confirm completion of gasline repairs on Koppers site.

Notes: I called to tell Bill that his men had completed the repairs on 2 gaslines on Milan street and verified that a 3rd line was not actually leaking and did not need to be repaired. They had left the area at 10:35 AM. I told him I was calling to confirm that all repairs had been completed in the Superfund site. He said they had been. I thanked him for his cooperation and said that would be leaving town shortly.

Date: 10/19/89
Time: 10:55 AM/PM

Originator: Carol S. Grech

Follow-Up-Action:

File
Tickle File
Follow-Up By:
Copy/Route To:

Originator's Initials: CG
# PHONE CONVERSATION RECORD

<table>
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<tbody>
<tr>
<td>Name</td>
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**Notes:**

"Chris Quinn was out of the office so I spoke to Curtis Franklin. I told him everything had been completed at the site and that TAT was ready to return to Dallas. Curtis said that sounded fine. I also said we would be back in the office Friday morning."