

**Arkansas People Participating in Lead Education (APPLE)**

**Final Report to the U. S. Environmental Protection Agency**

**Draft 1:9/30/2009**

Grant Support: EPA AB 83405701-0

Project Dates: Oct 2008 - Sept 2009

**Name of Lead Organization**

Department of Environmental and Occupational Health (EOH), College of Public Health (COPH), University of Arkansas Medical Sciences (UAMS)

**Program Director: Dr. Alesia Ferguson**

**Project Contact Information**

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**Names of Partnering Organizations and Leads**

1) Home Instruction for Parents of Preschool Youngsters (HIPPIY-USA Arkansas)

**Principal Investigator: Barbara Gilkey**

(Partner will be a subcontractor with UAMS COPH)

2) Arkansas Association of Community Organizations for Reform Now (Arkansas-ACORN) Representing the ACORN Institute.

**Principal Investigator: Neil Sealy**

(Partner will be a subcontractor with UAMS COPH)

3) Arkansas Department of Health (ADH), Center for Local Public Health,

**Principal Investigator: Dr. Richard Nugent**

(Affiliated and paid through the UAMS College of Public Health)

4) Arkansas Department of Environmental Quality (ADEQ)

Asbestos and Lead-Based Paint Section

**Principal Investigator: David Kern**

(Non-subcontracting partner: Compliance and outreach assistance offered)

5) Arkansas Department of Human Services (ADHS)

Division of County Services

**Principal Investigator: Larry Palmer**

(Non-subcontracting partner: Training assistance offered)

## **INTRODUCTION**

The Arkansas People Participating in Lead Education (APPLE) Program is a collaborative effort between six Arkansas State, National and Community Organizations to provide lead awareness, lead training and model municipal legislation to five needy communities in Arkansas (counties of Jefferson, Pulaski (two cities), Phillips and Lee). As stipulated, APPLE proposed to organize and host five well-designed, hands-on, and effective “call to action” lead awareness workshops and five lead-safe work practices training seminars to many in need in these communities. APPLE also proposed to spend a year working diligently with city officials to implement municipal legislation encouraging dissemination of information on lead-safe work practices to contractors and individuals seeking permits to renovate at-risk structures in these communities.

This is the final report of APPLE that summarizes all activities from October 1st, 2008 to September 30<sup>th</sup>, 2008. The report is organized under: A) partner meetings, B) parent education workshops, C) contractor lead –safe work practices training workshops, D) city resolutions, and E) broad messages and PSA announcement. The report also contains a small section on F) materials and G) website development. In addition, this report contains some data analysis of collected post and pre-surveys from the contractor and parent education workshops (Section H). This post and pre-surveys help assess pre-knowledge and effectiveness of the workshop. Previously, three quarterly reports were submitted that summarized the activities in each corresponding quarter. This final report will outline all the activities over the year, in addition to summarizing data and specific outcome measures for evaluation of project reach and effectiveness. Additional information can be requested through Dr. Alesia Ferguson.

## **A) APPLE PARTNER MEETINGS**

Since the start of the grant on October 1st, 2008, APPLE partners have officially met a number of times for group meetings. These meetings, along with their main purposes, are listed below. Apart from these meetings individual partners have meet on numerous times to deliver packages, get signatures or organize activities before workshops. In addition, there has been a constant flurry of emails and phone calls between partners to accomplish grant activities.

- 1) September 18<sup>th</sup>: Partner Meeting. Partner duties and the quality assurance process were discussed. Training of neighborhood helpers and coordinators was also discussed, along with ways and means of obtaining/printing flyers, and brochures. Workshop agenda and presentations were also discussed. Sign-in sheets and meeting agenda are available on request.
- 2) October 10: Training meeting for neighborhood helpers and coordinators. The first meeting was focused on getting the grant activities started and training neighborhood helpers and coordinators. Such things as recruitment,

workshop agendas, content of packages and printing of flyers were discussed. Feedback was sought from HIPPY and ACORN members on content of workshops, in particular, the outline for the parent workshop. Training meeting agenda and sign-in sheets are available on request.

- 3) November 8<sup>th</sup>: Packaging Meeting. Partners got together to prepare the city packages. Partners also started on the contractor packages and the parent packages. This was also a great opportunity to discuss grant activities. Sign-in sheets are available on request.
- 4) December 5<sup>th</sup>: Partner Meeting. Partners discussed activities to date, and the success of the first set of workshops. Partners also discussed improved methods of recruiting for upcoming workshops. Partners also discussed meeting location, dates and times for upcoming workshops. Meeting agenda and sign-in sheet are available upon request.
- 5) January 16<sup>th</sup>: Packaging Meeting. Dr Alesia Ferguson and four outreach coordinators from HIPPY got together to prepare the contractor and parent packages for upcoming workshops. Partners prepared 100 contractor packages and 200 parent packages. Sign-in sheets are available upon request.
- 6) April 28th: Partner Meeting. Dr Alesia Ferguson, Barbara Gilkey, Neil Sealy, and Dr. Richard Nugent were in attendance: Partners talked about survey work for parent and contractor workshops, and mainly the collection of post surveys for the parent workshops. Partners also talked about the all activities on the city resolutions and the upcoming talks to Landlord Associations. Other activities discussed included ACORN's banking fair where APPLE had an education booth and the planning of another parent education workshop in North Little Rock.
- 7) APPLE partners meet on Thursday, September 24<sup>th</sup>, 2009 to have a wrap-up meeting on past activities, upcoming grant activities and the draft of the final report to EPA on the year of work. Partners also discussed other grant activities for continued lead activities and the cost extension submitted to EPA. In attendance were Dr. Richard Nugent, Barbara Gilkey, David Kern, Porta Simpson (director of Air Quality Division at ADEQ), Steven Veach (website developer) and a guest doctor considering doing a MPH.

## **B) PARENT EDUCATION MEETINGS**

APPLE had proposed to hold 5 parent education workshops in the five cities of Little Rock, North Little Rock, Pine Bluff, Mariana and West Helena. We spent a fair amount of time in October, September and November designing the workshop agenda, workshop presentation, the children's program, parent and children packages, food to be served, location, clean-up and other workshop activities.

### **1) Little Rock, November 26<sup>th</sup>, 2008**

Although, our time line indicates that the first workshop would be held in January, we felt that we were prepared to hold the first parent workshop earlier in Little Rock. That parent workshop took place on November 26<sup>th</sup> (a Monday), at the Children East Hall of the Arkansas Children's Hospital. Two rooms were used, one for the parent agenda and one for

the children's agenda. The workshop was a great success. HIPPY and ACORN did a great job inviting their members and canvassing neighborhoods with flyers and speaking in person to community members. Up to the Friday before the workshop, HIPPY and ACORN had close to 300 verbal commitments for attendance. As expected, many of these commitments did not show up. However, we were still pleased with the attendance of over 70 community members and 45 of their children. A number of factors can contribute to actual attendance. We believe that the Monday before Thanksgiving may have been a factor. HIPPY had 11 of their members there helping out and ACORN had 4 of their members helping out. Dr. Ferguson, David Kern and Dr. Nugent presented lead information to the workshop attendees. A few attendees queried on the prospect of having someone come to their home to test for lead and even clean up and remove lead from their homes. Another attendee wanted to know if her landlord was responsible for the removal of lead in a rental. Other members shared stories of lead poisoning in their families: one person had an aunt tested for blood lead levels based on her occupational exposure, and one parent had her son treated orally for lead poisoning.

## 2) **North Little Rock, January 26<sup>th</sup>, 2009**

HIPPY and ACORN did a great job inviting their members and canvassing neighborhoods with flyers and speaking in person to community members and it was anticipated that we would have an attendance of up to 120 parents and children. However, icy weather conditions moved in earlier than expected, at precisely 5:10 that evening. The workshop was scheduled to begin at 5:30. Unfortunately only 6 parents and 12 children showed up. ACORN had two helpers and HIPPY had 8 helpers in attendance. Unfortunately this was not anticipated and much of our hard work went to waste. Sandwiches and cookies that were ordered from subway also went to waste. Drinks and chips and all packages were saved for the next workshop. Up to the Friday before the workshop, there were over 100 parents and children signed up to attend. As previously stated, only 6 parents and 10 children showed up because of the poor weather. There were more than 10 partners and home based educators and coordinators from HIPPY and ACORN in attendance. Attendance sheets can be furnished upon request.

## 3) **Pine Bluff, February 19<sup>th</sup>, 2009**

HIPPY and ACORN did a great job inviting their members and canvassing neighborhoods with flyers and speaking in person to community members. Attendance of 80 parents and 30 children was expected. Based on sign-in sheets, there were 77 parents and community members and 35 children in attendance at this meeting. We consider this to be a good turnout. ACORN had 2 members represented and HIPPY had 6. Everything went quite well. The audience was attentive, and had many relevant questions and concerns that they expressed at the end. They had question on how adults can be poisoned and whether a child could recover from lead poisoning. Two gentlemen expressed concerns about their employment at the Pine Bluff Arsenal and their possibility of lead poisoning. Dr. Richard Nugent, Dr. Alesia Ferguson and Dave Kern, were the presenters.

#### 4) Marianna, March 18<sup>th</sup>, 2009

Again, HIPPY and ACORN did a great job inviting their members and canvassing neighborhoods with flyers and speaking in person to community members. We anticipated attendance of approximately 44 parents and 20 children. Based on sign-in sheets there were 58 parents and community members and 35 children who attended. We consider this a good turnout, especially for a very small town. HIPPY had 7 members in attendance. Everything also went quite well. The audience was attentive, and had many questions and concerns at the end. For example, one person had a question on lead education for the blind, and one gentleman mentioned a few cases of lead poisoning in their city. In addition, one person questioned the age of his home, given the history of poor record keeping in the city. Again, Dr. Richard Nugent, Dr. Alesia Ferguson and Dave Kern, were the workshop presenters.

#### 5) Helena/West Helena , April 23<sup>th</sup>, 2009

HIPPY and ACORN did a tremendous job inviting their members and canvassing neighborhoods with flyers and speaking in person to community members. Attendance of 100 parents and 30 children was expected. Based on sign-in sheets, there were 98 parents and community members and 25 children in attendance at this meeting. We consider this to be a great turnout. The workshop was held at the Arkansas Health Education Center (AHEC) center in this very small town. The Mayor of Helena, James Valley was in attendance and thanked the crowd for showing interest and turning up for the workshop. One local news reporter was also in attendance and spoke to Dr. Ferguson. ACORN had two members in attendance and HIPPY had eight. Everything went quite well. The audience was attentive, and had many relevant questions and concerns that they expressed at the end. Dr. Richard Nugent, Dr. Alesia Ferguson and Dave Kern of the Arkansas Department of Environmental Quality (ADEQ) were the presenters.

#### 6) North Little Rock, second attempt, August 24<sup>th</sup>, 2009.

HIPPY and ACORN worked on recruitment, primarily of their members in North Little. HIPPY estimated that 30-40 members would be in attendance and ACORN estimated that 20 members would be in attendance. However, 16 adults and 23 children were in attendance. This was lower than expected. Nevertheless the workshop went well. Attendees had many questions on exposure to lead in elementary schools, and whether anything is being done for this setting. We talked about the new RRP rule targeting child-care facilities where younger children reside but that we should still be concerned for even older children. We encouraged them to talk to the principal and maintenance personnel and observe the establishment for peeling paint, but also reminded them that they needed to determine whether the building was built before 1978. Dr Alesia Ferguson and David Kern were the presenters. Barbara Gilkey and 5 helpers from HIPPY were in attendance, along with 1 ACORN member.

Additional Comments on Workshops: As proposed, gift cards were handed out as door prizes at the very end of all workshops (limited in the case of the North Little Rock Workshops that had low attendance both times). A consent form was read at the beginning of the workshop and attendees then answered pre-surveys. They were informed that post surveys would be mailed to their addresses, which we will get from the sign-in-sheets. Attendees certainly seemed to enjoy the workshops, the thrill and possibility of winning a gift prize enhanced that enjoyment. Many showed their enjoyment and appreciation by saying so afterwards. They mentioned that the workshop was informative and that they were glad that they attended.

Workshop Improvements: Workshops were shortened from 5:30 pm to 7:30 pm, after the first workshop in North Little Rock. In addition, improvements were made to the PowerPoint presentation to eliminate some repetitive information. Breakout groups as planned were not feasible given the time constraints. We found it more effective to ask individuals to share their experiences and concerns about what was covered. We also re-emphasized the “call-to-action” steps. Additionally, a healthier alternative of sandwiches rather than pizza was served, after the first workshop. Also after the first workshop; daycare centers were all invited via letters and flyers which were mailed to their business addresses.

## **Supporting Documents**

Workshop presentation, the children agenda and parent agenda are available upon request. In addition, the attendance sign-in sheet is also available upon request. Photographs taken during the workshops can be found at <http://www.uams.edu/coph/apple/>. Attendance sheets can be furnished upon request.

## **Parent Packages**

- 1) **“Renovate Right” (received by APPLE or ADEQ from EPA),**
- 2) **CDC Lead Paint Safety Field Guides (donated by ADEQ), only if requested at workshop**
- 3) **“Lead” a HUD flyer printed through the APPLE grant**
- 4) **EPA’s “What you need to Know about lead poisoning” (printed through the APPLE grant)**
- 5) **CDC’s Questionnaire for lead screening, (printed by APPLE)**
- 6) **ADEQ Coloring books (donated by ADEQ) and crayons (printed with lead logo by APPLE)**
- 7) **Magnets, pencils, grab holders, bottle openers with lead logo’s (donated by ADEQ)**
- 8) **ADEQ’s flyers on Regulation 25 and “A Healthy Future for Arkansas Children” (donated by ADEQ)**
- 9) **Stuck to the front of the green folders were flyers designed and printed by APPLE. These flyers contained general tips on sources of lead, activities leading to lead exposure and tips for preventing lead poisoning.**

**Table 1: Summarized Attendance across City Workshops**

Cities	Adults	Children	Helpers/Partners
Little Rock	70	45	9
North Little Rock (iced out)	6	15	10
Pine Bluff	77	35	11
Marianna	58	35	10
Helena/West Helena	98	25	13
North Little Rock, Second Attempt	16	23	8
Total Count	325	157	N/A

**Total Count of Attendees (Adults and Children = 325 +157)**

**C) CONTRACTOR LEAD-SAFE WORK PRACTICES TRAINING**

APPLE had proposed to hold 5 lead safe practices workshops in the five cities of Little Rock, North Little Rock, Pine Bluff, Mariana and West Helena. An additional workshop was held in Conway, Arkansas. We spent a fair amount of time in October, September and November designing the workshop agendas, workshop presentations, handouts and training packages, food to be served, location, clean-up and other workshop activities.

**1) Little Rock, November 26<sup>th</sup>, 2008**

Again, we held this first training workshop ahead of schedule on the 26<sup>th</sup> of November at the Willie Hinton Neighborhood Center from 8:30 to 5:00 pm. The room used was spacious and well equipped. HIPPY, ACORN and Dr. Ferguson spent time posting flyers in community areas, at paint and hardware stores, churches and other community areas. Unfortunately, there were only about 15 attendees to train. The workshop was nicely organized and partner, in particular Larry Palmer of the Arkansas Department of Health and Human Services did a great job at giving the EPA/HUD course, explaining the new EPA Rule for 2010 and pre-renovation rule. Dr. Richard Nugent delivered the medical message as planned and Dr. Ferguson made the introduction and took care of organization with other APPLE partners. David Kern of ADEQ also presented on ADEQ Regulation 25 and also on EPA’s pre-renovation rule. David Kern of ADEQ and Mike Price of ACORN also helped greatly with organization. Door prizes were handed out at the end. Attendees seemed appreciative of the training. Tonya Fisher, Dr. Ferguson’s department assistant was in attendance, helping with coordination and handing out packages. Mike Price, Dr. Ferguson and Tonya Robinson all received training from Larry Palmer.

## 2) North Little Rock Jan 26<sup>th</sup>, 2009

This was a huge success with about 68 contractors and landlords in attendance. Although we had verbal commitment of 80 attendees, we expected 40 attendees. We noticed a fair amount of landlords present and this is partly due to the head of the landlord association, Gail Blucker attending and advising others to attend. In addition, we collected various Section 8 list for vendors, renters and contractors from the city of North Little Rock. This allowed us to do mass mailings with the flyers and invitation letters. Along with the mailings, HIPPY and ACORN spent time posting flyers at paint and hardware stores, churches and other community areas. As usual, Larry Palmer of the Arkansas Department of Health and Human Services did a great job at giving the EPA/HUD course; explaining the new EPA Rule for 2010 and pre-renovation rule. Dr. Ferguson made the introduction and took care of organization with other APPLE partners. In addition, Dr Ferguson delivered the medical messages in the absence of Dr. Nugent (Dr. Nugent could not make it due to a work meeting). David Kern of ADEQ also presented on ADEQ Regulation 25 and on EPA's pre-renovation rules. David Kern of ADEQ, and Mike Price and Viola Marshall of ACORN also helped greatly with organization. Door prizes were handed out at the end. Attendees seemed appreciative of the training. Tonya Fisher, Dr. Ferguson's department assistant was in attendance, helping with coordination and handing out packages. Attendees received pastries and coffee for breakfast, sandwiches for lunch and fruits and cookies for an afternoon snack

## 3) Pine Bluff, Feb 18<sup>th</sup>, 2009

There were 98 contractors in attendance. This was quite a surprise. Although we had exactly enough student manuals available for training, we were short of contractor packages. David Kern of ADEQ later came with additional materials (e.g., EPA's Renovate Right booklets and EPA calendars) to give out to those who did not get packages. Based on the verbal commitment list of 60 contractors, we expected about 50 contractors. We believe that large attendance was due to mass mailing to the Jefferson County's (Pine Bluff) Section 8 lists of tenants, landlords and contractors (over 2500). Along with the mailings, HIPPY and ACORN spent time posting flyers in community areas, at paint and hardware stores, churches and other community areas. In addition, ACORN spent time calling contractors on the list). As usual, Larry Palmer of the Arkansas Department of Health and Human Services did a great job of giving the EPA/HUD course, explaining the new EPA Rules for 2010 and pre-renovation rules. Dr. Ferguson made the introduction and took care of organization with other APPLE partners. David Kern of ADEQ also presented on ADEQ Regulation 25 as well as EPA's pre-renovation rules. Dr. Richard Nugent gave the medical messages. David Kern of ADEQ, Mike Price and Viola Marshall of ACORN also helped greatly with organization. Door prizes were handed out at the end. Again, attendees seemed appreciative of the training. Attendees received pastries and coffee for breakfast, sandwiches, and cookies for lunch.

## 4) Marianna, March 18<sup>th</sup>, 2009

There were only 16 contractors in attendance. This was a lower turnout than expected. Based on the verbal commitment list of 30 contractors, we expected at least 25 to actually attend. Lower attendance was partly attributed to the non-receipt of the Lee County (town: Marianna) Section 8 list of tenants, landlords and contractors. A smaller mailing was made to a Marianna contractor list of a little more than 250. In addition, ACORN spent time calling contractors on the list, and other sources in the area. As usual, Larry Palmer of the Arkansas Department of Health and Human Services did a great job at giving the EPA/HUD course, explaining the new EPA Rules for 2010 and pre-renovation rules. Dr. Ferguson made the introduction and took care of organization and closing with other APPLE partners. David Kern of ADEQ also presented on ADEQ Regulation 25 and also on EPA's pre-renovation rules. Dr. Richard Nugent gave the medical messages. David Kern of ADEQ, Mike Price and Viola Marshall of ACORN also helped greatly with organization. Door prizes were handed out at the end. Again, attendees seemed appreciative of the training. Attendees received pastries and coffee for breakfast, sandwiches, and cookies for lunch. Because we over-estimated attendance, excess food that could not be saved was donated to a local nonprofit agency that day.

## **5) Helena/West Helena, April 23**

We only had a verbal commitment list 20 individuals in this small town, and 27 attended, so it was better than expected. We used the Marianna Section 8 lists to mail invitations letters and flyers, but we were still not able to obtain the Lee County Housing list. Along with the mailings, HIPPIY spent time posting flyers at paint and hardware stores, churches and other community areas. As usual, Larry Palmer of the Arkansas Department of Human Services did a great job at giving the EPA/HUD course; explaining the new EPA Rule for 2010 and pre-renovation rule. Dr. Ferguson made the introduction and took care of organization with other APPLE partners. In addition, Dr Nugent delivered the medical messages. David Kern also presented on Arkansas Pollution Control and Ecology Commission Regulation 25, Lead-Based Paint Activities, and on EPA's pre-renovation rules. David Kern of ADEQ, and Viola Marshall of ACORN also helped greatly with organization. Door prizes were handed out at the end. Attendees seemed appreciative of the training. Attendees received pastries and coffee for breakfast, sandwiches for lunch and fruits and cookies for an afternoon snack.

## **6) Conway, May 4.**

This was participation in an additional training (not originally planned in grant activities) and was held at 707 Robins St. Suite 118, in the city of Conway. This training was organized through the Arkansas Department of Human Services and the Community Action Program of Central Arkansas. Again, Larry Palmer gave the EPA/HUD training, while Dr. Ferguson gave the introduction and the medical training. In attendance were 24 individuals. Many state employees attended this training from various cities across the state (e.g., Harrison, Greenbrier, Forth Smith). Attendees received pastries and coffee for breakfast, sandwiches for lunch and fruits and cookies for an afternoon snack. Only door prizes of cups with logos were handed out. Wal-Mart gift cards were not handed out at this event.

Mailings of contractor's training cards: Contractor Cards showing evidence of training have been signed (by Larry Palmer), laminated and mailed out to all cities. Some cards had to be re-mailed based on incorrect addresses. The training cards are the size of a drivers' license and include the name of their main trainer, Larry Palmer under the kind services of the Arkansas Department of Human Services. The EPA grant number can also be found on the cards. Dr. Alesia Ferguson, along with the quality assurance manager is maintaining the databases of contractors trained under this grant effort, and can be found in the appendix of this report. These contractors would need the four-hour hands-on-refresher course to be in compliance under the new RRP rule come April 2010.

Over the course of giving the contractor training, we had many valid questions from the contractors. Some of these questions were answered by EPA, and later incorporated into our training for better clarification

**Some example questions and concerns from workshop attendees:**

- 1) How will names be recorded and checked for training in the State, and nationally for that matter (concerned with whether people falsify records)?
- 2) How do Landlords insulate themselves from liability to tenants who claim lead injury?
- 3) What are Landlord's exact disclosure requirements under the new Renovate Right Ruling (are certification, record-keeping enough to exonerate from liability)?
- 4) Are certifications good in other States (is this consistent EPA/HUD online training)?
- 5) EPA underestimates the cost to follow the new RRP and practice lead-safe work practices. Some of this cost will be passed unto the consumer (this is more a statement from the contractors).
- 6) What about big businesses like Home Depot, Lowes and Hanke Brothers who not only have their own contractors but subcontract to many private contractors? What is their liability and how will they comply with the new ruling? Why are they not in the trainings?

**Workshop Improvements:** After, the first workshop we now recognized that contractors, do-it-yourself homeowners, and those that need this training find it difficult to give up an 8-hr workday. Arkansas hunting season, Thanksgiving week and a poor economy may also have contributed to low attendance in the first workshop. Therefore, we used far more intense recruitment for the North Little Rock and Pine Bluff workshops. APPLE did pre-call contractors from various lists that were attained through various government bodies; sent invitation letters, and made follow-up calls. We feel this will greatly improve attendance in the larger cities. Smaller cities are limited in the number of contractors that work in those areas. Since holding these workshops we have had many calls and inquires on when trainings will next be available, based on these individuals missing the opportunity for training.

**Contractor Packages**

- 1) **Spray Bottle (bought by APPLE)**
- 2) **Student Manual with Appendices (printed by APPLE: biggest cost in printing)**
- 3) **OSHA Respiratory Protection Standard Overview (printed by APPLE)**
- 4) **HUD Lead Safe Work Practices Do and Don'ts (printed by APPLE)**
- 5) **EPA's Policy on Excluding Lead Based Paint from RCRA Hazardous Requirements (printed by APPLE)**
- 6) **Separate Sample of Pre-Renovation Form (printed by APPLE)**
- 7) **Separate Field Guide (even though included in student manual appendices( donated by ADEQ from EPA)**
- 8) **"Renovate Right" (received by APPLE or ADEQ through EPA),**
- 9) **"Lead" a HUD flyer printed through the APPLE grant**
- 10) **EPA's "What you need to Know about lead poisoning (printed through the APPLE grant)**
- 11) **EPA's "Contractors: Lead Safety During Renovation" (printed through the APPLE grant)**
- 12) **Magnets, pencils, grab holders, bottle openers with lead logo's (donated by ADEQ)**
- 13) **ADEQ flyers on Regulation 25 and "A Healthy Future for Arkansas Children (donated by ADEQ)**
- 14) **Stuck to the front of the green folders were flyers designed and printed by APPLE. These flyers contained general tips on sources of lead, activities leading to lead exposure and tips for preventing lead poisoning.**

**Table 2: Summarized Attendance across Cities**

<b>Cities</b>	<b>Adults</b>	<b>Helpers/Partners</b>
<b>Little Rock</b>	<b>15</b>	<b>7</b>
<b>North Little Rock</b>	<b>68</b>	<b>6</b>
<b>Pine Bluff</b>	<b>98</b>	<b>8</b>
<b>Marianna</b>	<b>16</b>	<b>5</b>
<b>Helena/West Helena</b>	<b>27</b>	<b>6</b>
<b>Conway (additional training)</b>	<b>24</b>	<b>4 (help from Community Action Program of Central Arkansas)</b>
<b>Total Count</b>	<b>248</b>	<b>NA</b>

**D) RESOLUTION WORK WITH CITIES**

City mayors and officials have been responsive to the resolution, consistent with their earlier support letters. In fact, North Rock and West Helena passed their resolution well before APPLE received word of the grant award, June

2008 and April 2008, respectively. Pine Bluff and Marianna passed their resolution in the Fall of 2008. The last resolution was passed in Little Rock on January 13th.

APPLE partners spent time ordering prints for flyers and brochures needed for the packages in the Fall of 2008. Once all printing was completed, APPLE Partners spent Saturday, November 3<sup>rd</sup> putting together packages for the cities. As promised we packaged 50 sets for each city. Dr. Ferguson delivered the packages to Ted Davis and Mayor Carl Redus for the City of Pine Bluff and to Robert Volyes for the City of North Little Rock in November, 2008. Jacque Richardson of HIPPY delivered the packages to the Mayors of Marianna and West Helena. Also, in November 2008. Dr Ferguson and Neil Sealy of ACORN delivered packages to Andre Bernard, the Director of Housing and Neighborhood Programs for Little Rock in January. All packages are accompanied with a log sheet for sign in by those receiving the packages.

As contractors and homeowners obtain a permit for renovation or remodeling, they receive these packages. We periodically checked with cities to see if they ran out of packages, and refreshed their supplies as project funds allow. The cities overall reported a slow-down in the number of permits handed out and this may be due to the slowing economy. In addition, many of the same contractors were pulling multiple permits and declined a second lead package. The latest check-in with cities that required action occurred in the first week of June. North Little Rock and Little Rock were almost out of the lead awareness packages, so Dr. Ferguson prepared and delivered 50 more to North Little Rock and 50 more to Little Rock on June 4, 2009. Dr. Ferguson also picked up their sign-in sheets for the contractors. Pine Bluff reported having 20 more packages and, therefore, received another 50 packages in the last week of June, delivered by Dr. Ferguson. Marianna and West Helena disappointingly have said that they really have not handed out any packages, and so did not receive additional packages. At close of project Helena reported that although permits were handed out for construction, none were on residences or target homes built before 1978. This is also a powerful list (it has telephone numbers) by which we can contact active contractors, should we have additional trainings available through further funding opportunities.

**Table 3: Total # of Packages Received and Signed for by Individuals**

<b>Cities</b>	<b># of Packages Signed for</b>	<b>Contractors/Other</b>	<b>Do-It-Yourself Homeowners</b>
<b>Little Rock</b>	<b>84</b>	<b>58</b>	<b>26</b>
<b>North Little Rock</b>	<b>50</b>	<b>29</b>	<b>21</b>
<b>Pine Bluff</b>	<b>20</b>	<b>14</b>	<b>6</b>
<b>Marianna</b>	<b>19</b>	<b>*</b>	<b>*</b>
<b>Helena/West Helena</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Count</b>	<b>173</b>	<b>101* (missing data)</b>	<b>53* (missing data)</b>

\*: Marianna could locate sign-in sheet to determine whether the packages handed out were to contractors or homeowners.

A package consisted of a green folder containing a number of items listed below, placed in bags with lead logos (donated by ADEQ). These green folders contained the following:

## City Packages

- 1) **Individualized city flyer (prepared by ADEQ and printed under the APPLE grant. These city flyers served as the introduction to the APPLE grant and described the other materials in the package.**
- 2) **“Renovate Right” (received by APPLE or ADEQ from EPA)**
- 3) **CDC Lead Paint Safety Field Guides (Donated by ADEQ from EPA),**
- 4) **EPA’s “What you need to know about lead poisoning (printed through the APPLE grant)**
- 5) **EPA’s “Contractors: Lead Safety During Renovation” (printed through the APPLE grant)**
- 6) **Magnets, pencils, grab holders, bottle openers with lead logo’s (donated by ADEQ)**
- 7) **ADEQ flyers on Regulation 25 and “A Healthy Future for Arkansas Children (donated by ADEQ)**
- 8) **Stuck to the front of the green folders were flyers designed and printed by APPLE. These flyers displayed general tips on sources of lead, activities leading to lead exposure and tips for preventing lead poisoning.**

## E) BROAD MESSAGES AND PSA ANNOUNCEMENTS

### News Releases to announce workshops

In October, shortly after APPLE received the EPA community lead outreach grant, a number of news releases went out from the UAMS department of Marketing and Advertising announcing the grant efforts and grant partners. Some of these news releases can be viewed at <http://arkansasmatters.com/content/fulltext/news/?cid=129501> and [http://www.uams.edu/update/absolutenm/templates/news\\_release\\_andrea.asp?articleid=8225&zoneid=35](http://www.uams.edu/update/absolutenm/templates/news_release_andrea.asp?articleid=8225&zoneid=35). Workshops were also announced in news releases in a number of locations including the UAMS website at [http://www.uams.edu/update/absolutenm/templates/news\\_release\\_andrea.asp?articleid=8319&zoneid=35](http://www.uams.edu/update/absolutenm/templates/news_release_andrea.asp?articleid=8319&zoneid=35), and also at [little rock community news](#)

Other messages on the grant and workshops include Dr. Ferguson’s telephone interview with two local news Channels, KARN (telephone) and KABF (live radio). Special flyers announcing workshops were prepared by the UAMS Marketing group and posted and distributed.

Every two weeks before we hold workshops in the cities, Jon Parham from the UAMS Marketing and Advertising Department sent out news releases to the various media in the corresponding cities. The news releases were similar to those reported in the First Quarter Report with changes in dates and locations for the workshops. News releases were also posted on the UAMS announcement sites. Dr. Ferguson also did a pre-recorded interview with Force radio (set up by Kelly and Larry) in the Helena/ West Helena area (April 18, 2009). These were run a couple days prior to the

Helena/West Helena workshops. Other messages on the grant and workshops include Dr. Ferguson’s telephone interview with a local Marianna newspaper, the Marianna Courier Index (March 6<sup>th</sup>).

Radio Spots

Radio spots were produced by Tim Irby at the UAMS marketing group with the input of APPLE partners in the first quarter. These radio spots carried lead messages for contractors and for parents and community members. These radio spots were **not** to announce the workshop dates but carried the general message of “Hey You, Hey You....Get the Lead Out”. For the contractors the radio spots had general tips for practicing lead-safe work practices and information on the new EPA rule. For the parent and community radio spot, it contained information and tips on protecting children for lead in lead paint. **These radio spots can be found on our website, by clicking links and listening to them.** Below is the schedule and cost to run radio spots over the year. The formats are variable depending the radio stations and the formats received from the marketing and advertising department here at UAMS.

**1) Little Rock, Total radio buy for Nov 9-2**

KHLR :60 (Modern gospel)

M-F 6A-7P 20 spots per week

M-F 6A-7P 20 spots per week bonus

KOKY :60 (adult urban)

M-F 6A-7P 20 spots per week

Matching bonus spots no charge

**2) North Little Rock: Radio Buys North Little Rock: Ran 2 and 3<sup>rd</sup> week of January, 2009**

20 spots on KMJX (classic country) @\$25 each = 500

20 spots on KHLR (cont. Christian) @\$25 each = 500

20 spots on KOKY (adult urban) @\$50 each = 1000

Total Radio Buy of \$2000 for North Little Rock

**3) Radio Buys and Times for Pine Bluff, Ran Feb 1 through 14<sup>th</sup>, 2009**

Total:

<u>Station</u>	<u>Dial</u>	<u>Format</u>	<u>Watts</u>	<u>Program</u>	<u>Time</u>	<u>Day</u>	<u>Spots</u>	<u>\$</u>	<u>1week</u>
KCAT-		Urban			6a-				
AM	1340	Gospel	1,000	ROS	7p	M-F	10	\$	114.70
KCAT-	1340	Urban	1,000	ROS	6a-	M-Su	10	\$	-

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AM		Gospel			12m				
KTRN-					6a-				
FM	104.5	AC	3,000	ROS	7p	M-F	10	\$	164.70
KTRN-					6a-				
FM	104.5	AC	3,000	ROS	12m	M-Su	10	\$	-
								\$	279.40

Therefore, \$558 for two weeks

#### **4) Marianna Radio Buys .**

<u>Station</u>	<u>Daily</u>	<u>Format</u>	<u>Watts</u>	<u>Time</u>	<u>Day</u>	<u>Spots</u>	<u>:60 Rate</u>	<u>Total</u>
KAKJ-								\$
FM	105.3	Urban	6,000	Prime	M-F	10	\$ 57.65	576.50
KAKJ-								\$
FM	105.3	Urban	6,000	6a-7p	M-Su	10	\$ -	-
KCLT-								\$
FM	104.9	Urban	3,000	Prime	M-F	10	*	-
KCLT-								\$
FM	104.9	Urban	3,000	6a-7p	M-Su	10	\$ -	-

Radio Total for one week: \$576.50 and Radio total for 2 weeks: \$1,153.00

#### **5) Helena/West Helena Radio Buys: April 5 through April 18**

• Radio

<u>Station</u>	<u>Dial</u>	<u>Format</u>	<u>Watts</u>	<u>Program</u>	<u>Time</u>	<u>Day</u>	<u>Spots</u>	<u>:60 Rate</u>	<u>Total</u>
KFFA-AM	1360	Country	1,000	ROS	6a-7p	M-F	10	\$ 14.87	\$ 148.70
					6a-				
KFFA-AM	1360	Country	1,000	ROS	12m	M-Su	10	\$ -	\$ -
KJIW-FM	94.5	Gospel	14,000	ROS	6a-	M-Su	10	\$ 10.29	\$ 102.90

					12m				
					6a-				
KJIW-FM	94.5	Gospel	14,000	ROS	12m	M-Su	10	\$ -	\$ -
KCLT-FM	104.9	Urban	3,000	ROS	Prime	M-F	10	\$ 57.65	\$ 576.50
KCLT-FM	104.9	Urban	3,000	ROS	6a-7p	M-Su	10	\$ -	\$ -
								<i>Radio Total (1-Week)</i>	\$ 828.10
								<i>Radio Total (2-Weeks)</i>	\$ 1,656.20

\*KCLT is combo rate with KAKJ.

**There have been other opportunities where we have promoted the grant effort or delivered lead messages.**

- 1) Arkansas Teachers Convention, Hot Springs, October 18<sup>th</sup>, 2008: Presenter Barbara Gilkey
- 2) Arkansas HIPPY State Advisory Meeting, Little Rock, November 16<sup>th</sup>, 2008, Presenter Dr. Alesia Ferguson. Talked to board about APPLE and the various activities. Close to 15 individuals in attendance.
- 3) College of Public Health Tuesday Seminar, Little Rock Dec 9<sup>th</sup>, 2008, Presenter Dr. Alesia Ferguson and David Kern. About 16 individuals in attendance.
- 4) Physiological Grand Rounds Presentation; Children’s Hospital, January 5<sup>th</sup>, title was “Arkansas People Participating in Lead Education (APPLE): Is Lead Still a Problem”, by Alesia Ferguson, PhD. Attendees received handouts. Close to 50 were in attendance.
- 5) HIPPY conference at the Embassy Suites, Little Rock Feb 23, attended by over 400. Dr. Ferguson had two workshops on Lead, attendance of 36 and 23 for the workshops. The title was “Child Safety and Welfare: Preventing Exposure to Lead”. Attendees answered a pre and post questionnaire and there were drawing for 5 APPPLE logo cups for each workshop. Attendees received handouts.
- 6) North Little Rock Landlord Association Meeting, North Little Rock Community Center, March 16<sup>th</sup>, title was “Protecting Children: Lead Rules and Regulation”, by Alesia Ferguson, PhD. Attendance was 23. Again attendants received APPLE logo cups with “Get the Lead” messages from a drawing.
- 7) Head Start Pulaski County Managers Presentation, by David Kern, March 12<sup>th</sup>, 2009. A total of 39 individuals attended.
- 8) April 3 Conference Sponsored by EPA, UAMS, and the Southwest Center for Pediatric Environmental Health: “Arkansas Conference on Children’s Health and the Environment”. HIPPY and ADEQ (manned by Dr. Ferguson and David Kern) had lead Booths. Dr Ferguson and Dr. Richard Nugent were on the planning panel and Dr. Richard Nugent gave a 40 minute talk on Lead Exposure in Arkansas. Dr Ferguson and Dave Kern also presented

lead cases on the case panel in the afternoon. The conference was attended by 107 doctors, nurses, health care professionals and public health officials.

- 9) Second Annual Arkansas Children's Week Family Fun Day held April 25<sup>th</sup>. Dr Ferguson and David Kern had booths to promote lead issues. Parents answered short, educational surveys and received lead materials. Children were allowed to pick toys from a toy box. More than 50 parents signed in at the booths.
- 10) Conway Landlord Association Meeting, April 14<sup>th</sup>, Held at the Faulkner County Library, 1900 Tyler Street, Conway AR. Title was "Protecting Children: Lead Rules and Regulation", by Alesia Ferguson, PhD. Attendance was 20. Again attendants received APPLE logo cups with "Get the Lead" messages from a drawing. The meeting was 90 minutes.
- 11) Cabot Tri-County Landlord Association Meeting, Held in a Private Room at the Kentucky Fried Chicken, Main Street in Cabot, March 19<sup>th</sup>, title was "Protecting Children: Lead Rules and Regulation", by Alesia Ferguson, PhD. Attendance was a small group of 8 Landlords. Again attendants received APPLE logo cups with "Get the Lead" messages from a drawing. The meeting was 90 minutes.
- 12) The 2009 Central Arkansas Bank Fair, held at the Dunbar Community Center on May 23<sup>rd</sup>. This event was sponsored by ACORN, Pulaski Bank, the Arkansas Housing Corporation, and the Bank of the Ozarks. HIPPY manned a booth for APPLE. There were about 60 visitors that answered short surveys and got APPLE materials. We gave out toys to the children. That was effective in getting the parents to the table, similar to the HIPPY children's fun day held on April 25<sup>th</sup>.
- 13) Green the Block National Service Day on September 11<sup>th</sup>, 2009. APPLE had a booth from 11am to 6:30 pm at this event held in the 12<sup>th</sup> corridor of Little Rock. This event had a number of participants including Heifer International, Clinton School of Public Service, and the Pulaski County Brownsfield Program. We passed out parent packages and engaged community members on lead issues. Parents answered a short survey to test knowledge. Alesia Ferguson and Barbara Gilkey were stationed at the booth. ADEQ also had a booth presenting lead and asbestos information. David Kern staffed the ADEQ booth from 11 a.m. to 6:30 p.m. The APPLE booth received 51 signatures from parents who received packages.
- 14) Jonesboro Landlord Association Meeting, September 14<sup>th</sup>, 2009 Held at the Southwest Church of Christ, 1601 James Street, Jonesboro 72401. Title was "Protecting Children: Lead Rules and Regulation", by Alesia Ferguson, PhD. Attendance was 50. Again attendants received APPLE logo cups with "Get the Lead" messages from a drawing, and contractor packages. The meeting lasted 70 minutes. The Landlords were welcoming, concerned and attentive. They are very concerned about getting trained to comply with the new regulations.

## **F) ORDERING OF MATERIALS**

In the first quarter, we ordered most of our hand out and education materials, from various sources. In the second quarter we ordered more APPLE green handouts, promotional cups with APPLE logo, ‘Renovate Right’ booklets (from EPA), and green folders from Office Depot and Staples. We have also received additional bags for packaging and additional bottle openers and EPA calendars from David Kern of ADEQ. We also would like to thank Dave Kern and ADEQ for donating other flyers, additional ‘Renovate Right’ booklets from EPA, and other materials for our city, contractor and parent packages. We also ordered additional crayons, bottle openers and jar grabbers, stamped with the message “Get the Lead Out” in the third quarter. Most of our printed materials were ordered through a local company here called “Allegra Printing and Imaging”. They are responsive and timely. We also ordered an APPLE banner that can be used at outreach and education events. Flyers were copied at the College of Public Health, HIPPY and ACORN offices, for posting and mailing.

## **G) WEBSITE DEVELOPMENT**

We have designed a website for APPLE that list the grant activities and has links to the partner websites and lead programs. Links can also be found to workshop flyers and workshop agendas. In addition, there are currently pictures of all workshops, and a link to the radio spots. All past quarterly reports can also be found on the website. This easy access has been useful to our partners, community members and may be useful to others across the country engaging in lead activities and other community outreach events.

## **H) PRE AND POST-SURVEYS**

For contractor workshops, the pre-survey is given to participants before the start of instruction and the post-surveys are given at the close of the workshop. For the parent education workshop, the pre-surveys is given before the education presentation and instruction and the post-survey given months later. Initially we attempted to mail post-surveys to participants (for the first Little Rock parent workshop). This was not successful, with very low return for completed surveys. Some were returned based on wrong addresses. We then decided to employ phone calling to get participants to answer post-surveys and this brought about a better response rate. Pre and post-surveys were entered in an Excel format for both the contractor and parent workshop. Table 4 and Table 5 list the number of pre and post-surveys collected from each workshop. On the June 15, Dr. Ferguson received through the cancer institute, two paid high school students that have been helping her to enter survey responses into Excel. Earlier in the year ACORN collected the post surveys for Little Rock and HIPPY collected the post surveys for Marianna, Pine Bluff, and Helena/West Helena. In addition, one of HIPPY’s employees assisted with the MS Excel data entry of pre and post surveys for contractors for Pine Bluff and North Little Rock. The high school students also attempted to call those hard to reach individuals from those cities to increase post-survey response for the parent workshop. They managed to get only 6 additional responses for Pine Bluff

and Little Rock. Recall that our pre and post-surveys along with consent forms can be found in the quality assurance documents submitted to EPA last year, before start of grant activities. Based on the low turnout for the first North Little Rock workshop, post surveys were not attempted. Also due to the late occurrence and low turnout at the second North Little Rock workshop, post surveys were not possible for the reporting period. However, this may be done after the reporting period and included in our publication efforts.

**Table 4: Pre and Post-Survey Collection: Education Workshops**  
**(Only adults over 18 can answer surveys)**

	<u>City</u>	<u>Pre-surveys</u> <u>Collected</u>	<u>Post Surveys</u> <u>Collected</u>
<u>1)</u>	<u>Little Rock</u>	53	32 (14 by mail)
<u>2)</u>	<u>North Little Rock (total-2 workshops)</u>	20	0 (not collected, inclement weather, timing and low attendance)
<u>3)</u>	<u>Pine Bluff</u>	70	42
<u>4)</u>	<u>Marianna</u>	65	49
<u>5)</u>	<u>Helena/West Helena</u>	52	76 (notice many answered post that did not answer pre)

**Table 5: Pre and Post-Survey Collection: Training Workshops**  
**(only adults over 18 can answer pre and post surveys)**

	<u>City</u>	<u>Pre-surveys</u> <u>Collected</u>	<u>Post Surveys</u> <u>Collected</u>
<u>1)</u>	<u>Little Rock</u>	14	14
<u>2)</u>	<u>North Little Rock</u>	69	66
<u>3)</u>	<u>Pine Bluff</u>	97	92
<u>4)</u>	<u>Marianna</u>	16	16
<u>5)</u>	<u>Helena/West Helena</u>	27	27
<u>6)</u>	<u>Conway</u>	24	23

Excel was used to analyze these entered surveys by building master sheets, first for each city, that pulls the information from each individual survey and sum responses. Next Master Files then summarize data for pre and post-surveys across all the cities. Command such as INDIRECT and IF statements allow for programming and pulling of data from various files. The appendices contain the summarized data for the cities. These are divided into pre and post-summaries for contractor and parent education workshops. Below we summarize some main findings from the pre and post-surveys. However, the sheets in the APPENDIX can be used to view additional information. Please note that we intend to further refine the data and publish results from our experiences over the year and from the collected pre and post-survey data. EPA is welcome to view the excel sheet and city summaries if they wish. We will be sure to inform EPA of these submitted papers and their progress.

### PRE-SURVEYS: PARENT EDUCATION WORKSHOPS

The pre-survey used is found in Appendix A. This can be matched with the results found in Appendix B. Question numbers are indicated in the left columns of the Excel sheets, and each city is represented in the columns. Totals (if relevant) and averages are indicated in right columns. In addition, percentage responses are indicated throughout the sheets. Here are some highlighted results:

- Average age of survey respondents was 42.77 across the cities.
- 87% of those who attended the workshop answered the pre-surveys (261 pre-surveys were collected). There were 323 adult attendants.
- Averages were reduced by North Little Rocks low attendance (if North Little numbers are removed, averages increase). Helena had the highest attendance of 98 (52 answered pre-surveys).
- The organization of HIPPI was successful in bringing community members to the workshops (average 24, highest city Helena at 34)
- The organization of ACORN was successful in bringing community members to the Little Rock Workshop (25 participants).
- There was a 94.35 % response rate for Question 1 of how participants heard about the workshops.
- The majority of community members had never attended a workshop on lead (204 as opposed to 23 who had attended). Some respondents were not sure. There was a 90.75% response rate for this Question 2.
- Most respondents felt they knew a little about lead exposure, but quite a few felt they knew nothing about exposure (144 as opposed to 58). There was a 92.72 % response rate for Question 3.
- Many of the respondents owned their own homes, but many also rented (98 as opposed to 74). There was a low response rate of 76.48% for Question 10.

- Many of the respondents live in single family homes (127), but a number of respondents also live in multi-family homes (30), and apartments (29). Many choose not to answer this question. There was a 67.93% response rate for Question 9.

Please see the Appendices for further results, and especially difference between cities.

Limitations or improvements many be needed on this survey. Race was not entered as a check mark, but a word, so not easy to summarize in the Excel Sheets. Re-entry and formatting of this section of the questionnaire may be necessary. However, post-surveys were entered as checkmarks and count for race is expected to be similar, and reflect race demographics, given the majority of those who answered pre-surveys also answered post surveys. This situation is also true for demographics whether they were a parent, caregiver or so forth. For question 11, 1981-or older may have been confusing for the respondents. Older was meant to mean that the house was built after 1981, but respondents may have interpreted as older than 1981.

### POST SURVEYS: PARENT EDUCATION WORKSHOPS

The post-survey used is found in Appendix C. This can be matched with the results found in Appendix D. Question numbers are indicated in the left columns of the Excel sheets, and each city is represented in the columns. Totals (if relevant) and averages are indicated in right columns. In addition, percentage responses are indicated throughout the sheets. There are no post-survey results for North Little Rock. Here are some highlighted results:

- Across the cities, 67.57% of those who attended answered post-surveys, and 90.19% of those who answered pre-surveys answered post surveys. In all there were 199 post-surveys.
- Average age of those answering post surveys was 42.38 (similar to pre-surveys)
- Majority of those who answered post and pre surveys were black (53), however only 57 respondents answered that question out of pre and post respondents (please see limitation below for explanation). We are unsure if respondents or phone interviewers simply skipped over this question, or respondents refused to answer.
- Similarly, most respondents for pre and post surveys, answered being parents (96) as opposed to other (40) who could be grandparents or community member), caregiver (26), day-provider (15) or healthcare provider (3). There are some limitations to the way people interpret their role as caregiver in this question. Again see limitation below. These numbers reflect demographics on all who answered that section for pre and post surveys.
- The majority of respondents found the workshop informative (197) as opposed to 2 individuals that did not. 100% response rate for Question 2.

- The majority of the respondents found the workshop atmosphere pleasant (196), and opposed to 3 that said somewhat. 100% response rate for Question 3. Similar responses were found for Question 4 on the “instructors being easy to understand” (Yes 193) and Question 5 “learning anything new at the workshop” (Yes 191).
- Question 6, thru Question 11 were important questions for determining impact of workshop. Question 8 for example, asks whether participants had shared any information with family and friends. Results showed that 151 responded yes, while 26 responded somewhat and 16 responded no. There was 98.15% response rate for this question
- For Question 10, on whether participants had changed anything in their lives to prevent lead exposure for a child, yes response was 90, while no response was 31. This lower positive response could mean lower action rate on this response or the inability or need to change anything immediate.

Please see APPENDICES below for more details on response, and especially difference between cities.

**Limitations.** Templates from the pre-survey were used to complete post-surveys. These templates contained some demographics for pre- and post-surveys, even when they post surveys were not completed. Percent response in demographic area is not correct and will have to be changed to reflect true response for those questions for post-surveys. This is the reason you see over a 100% response rate for demographics (race and description). However, the number shown helps to reflect demographics across those who answered both pre and post-surveys. In some cases participants may not have answered the pre-surveys but did answer a post-survey. This requires further cross-referencing to determine those numbers.

The majority of these post-surveys were given via phone interviews. This can tend to illicitly more positive rather than negative answers and this influence needs to be accounted for. Many comments (beyond yes, no, or somewhat) are not reflected in the above summaries and can be pulled separately from surveys. Some community members were more willing to give comments, however this may be a reflection of the interviewer’s ability to illicit more giving and extended answers. In the future, interviewers can be better and more consistently trained to illicit more meaningful responses on phone and in-person interviews.

*Some Individual Comments by Participants Pulled from Individuals Post Surveys on Actions They Intend to Take or Have Taken Since Workshop*

To wipe down all toys daily and keep floors mopped/swept.  
 If I paint or buy any paint, I will make sure I ask about the lead in the paint.  
 I'm very careful of my surroundings and abouts.  
 I shared information about lead in paint on walls in old homes and in toys.

Spread the information on lead poisoning effects, looking for information to help others.  
 Watch out for signs.  
 CMS requirements for lead testing during EPSDT and Handouts for parents during EPSDT.  
 Going to have the windows checked.  
 We are having old pipes replaced.  
 Be aware of items that contain lead and general precautions.  
 Made parents with children and older homes (slang) more aware.  
 Monitor children closer and take lead precautions.

**Closing for Parent/Education Workshops**

Response rate are reasonable and in some cases good for pre-surveys and post-surveys. Comments of workshop and educational benefits are strong. Community members seem positive and willing to make some changes in habits and actions that can prevent lead exposure, if it was applicable or relevant to their situations.

**PRE AND POST SURVEYS: CONTRACTOR TRAINING WORKSHOPS**

Post and pre-surveys are the same for the Contractor Training Workshops. These will be compared together. APPENDIX E contains the survey and APPENDIX F contains the results for the pre-surveys and APPENDIX G contains the results for the Post-Surveys. Question numbers are indicated in the left columns of the Excel sheets, and each city is represented in the columns. Totals (if relevant) and averages are indicated in right columns. In addition, percentage responses are indicated throughout the sheets. Here are some highlighted results:

- Because pre and post surveys are delivered during workshops, response rates are higher than educational workshops. Also, contractors seem more willing to respond and complete these surveys as they tended to view them as part of the 8-hr training. Response rates are almost identical for pre and post surveys. Only slight variations found.
- There were 248 attendees and 247 answered pre-surveys, and 238 answered post surveys.
- According to the pres-surveys 135 were black, and 90 were white participants (this breakdown is variable across the cities. There was a 93 % response rate for race. According to the post-surveys, blacks were 127 and whites were 93 (similar response rate).
- Average age was 43.88 on pre-surveys (44.20 on post survey).
- Most participants identified with being homeowners (106) on the pre-surveys and this we feel strongly included landlords. On the other hand, 45 were individual contractors and 44 were company contractors. Not all answered this question and some may have answered for more than one category. Further investigation is needed on this question.
- For the first set of questions, 1 thru 9, in the pre-surveys, there were 1632 checked responses, this increased to 1682 checked agreements on the post surveys despite the reduction in the number of surveys. There are some

cases where an increase in agreement is required based on training throughout the day, but not always. A look at individual responses shows that in the pre-surveys 102 incorrectly checked that children can inhale lead fumes from cars still now used in the United States. In the post-surveys, 111 still responded incorrectly. Question 9 did drop from 140 to 130 (however recall there is a drop in number of surveys). These are disappointing results indicating that some of these points may not have been stressed or clarified in the training. Each of the questions can be compared in this manner with adjustments made in the number of surveys, and across cities.

- Most respondents on the pre-survey identified that the most common way a child gets lead poisoned is by hand to mouth activity (100), but this was close to 93 for eating paint chips. On the post surveys 161 answered hand to mouth activity and 48 answered eating paint chips. The other category is breathing in fumes or dust. This question may be very deceptive because eating paint chips may seem a component of hand-to-mouth activity.
- The next series of question from Question 1 thru Question 5 are opinion and perception based questions. Question 2, for example, ask whether assuming a house built before 1978 contain lead based paint is important. In the pre-surveys, 186 respondents said yes very important, and in the post surveys, this increased to 217 respondents despite the lesser number of post-surveys. There are similar increases in question 1 thru 5, showing that participants better understood the importance of certain precautions. Their responses before training however are impressive in their understanding on pre-cautions for lead exposure.
- We are not sure if many of the participants realized that from Questions 1 thru 5 in the last section about their activities, that responses should really remain the same from pre to post-surveys. Their past activities should not change. Responses might reflect honest answers. Additional cross referencing between individuals and their pre and post-survey may however be required for this set of questions. As an example, the response of ‘always’ on Question 2 on ‘whether they used a wet clean-up technique at the end of a job involvement lead paint’ was 91 on the pre-surveys, and 134 on post-surveys. Respondents may has misinterpreted this set of questions to mean whether they had done this activity in the past or now with new information received in this training, would do this activity in the future. Or respondents may be trying to give the right answer based on new information to seem more responsible. All the questions in this section can be analyzed in a similar fashion, but however should be adjusted or standardized for response rates. Inter-variability and intra-variability can also be analyzed across the surveys. Trainers could have informed participants that this section should remain the same, but that would affect the ability to look at honesty and in some manner even how the training stress the importance of activities.

Please see APPENDICES below for more details on response, and especially difference between cities.

## Closing for Training Surveys.

Many more analysis can be conducted on the pre and post surveys for the training workshops. In addition, inter and intra responses can be compared across participants. In addition, training responses across the various cities can be further compared and additional parametric and nonparametric statistic can be run on the data. Some of these steps will be taken in order to produce a publication.

## CLOSING

In closing, we also want to mention that Larry Palmer, Barbara Gilkey and Dr Ferguson have attended a two day “Train-the Trainer” course given by Patrick MacRoy of Alliance Alert. Larry Palmer’s training occurred in April in Virginia and Dr Ferguson and Mrs. Gilkey attended the training given this June in Boston. The training was very informative on the new U.S. EPA Lead Renovation, Repair and Painting Rule and the added components. This enhances the knowledge base of APPLE team members, who intend to apply to be trainers under the RRP rule.

We hope this final report is sufficient and detailed enough. If copies of any additional materials are required please contact me at 501.526.6662. In all, we believe we stayed on target and were successful in completing our grant activities. We have applied to EPA for further funding on lead activities for the State of Arkansas. We have already garnered support from many partners and submitted grants to the Centers for Disease Control (CDC) for outreach and education, and for bio-monitoring of lead and other contaminants. In fact we have heard back from CDC on our outreach grant and our biomonitoring grant and both was approved but not funded. They will keep it open for a year with hopes of funding, although chances seem slim.

Please if any additional information or documentation is needed on files and sign-in sheets or surveys, please contact me at 501 526 6662 or via email at [aferguson@uams.edu](mailto:aferguson@uams.edu)

Yours Truly

Project Director

Alesia Ferguson, PhD.

**APPENDIX A: APPLE Education Workshop Pre-Survey**

Name: \_\_\_\_\_ Age: \_\_\_\_\_ Alphanumeric Code: \_\_\_\_\_

**Ethnicity:** WHITE \_\_\_ BLACK OR AFRICAN AMERICAN \_\_\_ AMERICAN INDIAN/ALASKA NATIVE \_\_\_  
 ASIAN \_\_\_ NATIVE HAWAIIAN/PACIFIC ISLANDER \_\_\_ OTHER (what) \_\_\_\_\_

**Description:** PARENT \_\_\_ CAREGIVER \_\_\_ DAYCARE PROVIDER \_\_\_ HEALTH CARE PROVIDER \_\_\_  
 RELATIVE OF CHILD \_\_\_\_\_ OTHER (what) \_\_\_\_\_

**Contact Information** (Telephone and Address): \_\_\_\_\_  
 \_\_\_\_\_

1) How did you hear about this workshop?

HIPPY \_\_\_ ACORN \_\_\_\_\_ FLYERS \_\_\_\_\_ OTHER \_\_\_ (Explain) \_\_\_\_\_

2) Have you ever attended a workshop on lead?

YES \_\_\_ NO \_\_\_ NOT SURE \_\_\_ IF YES, when and where? \_\_\_\_\_

3) Do you know very much about lead sources and lead exposure?

A LOT \_\_\_ A LITTLE \_\_\_\_\_ NONE \_\_\_ NOT SURE \_\_\_ Comments \_\_\_\_\_

4) Are you aware exposure to lead from old lead based paint can be bad for your health?

YES \_\_\_ NO \_\_\_ SOMEWHAT AWARE \_\_\_\_\_ Comments \_\_\_\_\_

5) How many children do you have and what are their ages?

ENTER NUMBER OF CHILDREN \_\_\_\_\_ LIST AGES \_\_\_\_\_

6) Are there any other children in your care?

HOW MANY \_\_\_\_\_ LIST THEIR AGES \_\_\_\_\_

7) Enter your occupation \_\_\_\_\_

8) What is your household yearly income?

\$0-\$20,000 \_\_\_ \$20,000 - \$40,000 \_\_\_ \$40,000-\$60,000 \_\_\_ \$60,000- \$80,000 \_\_\_ \$80,000-Above \_\_\_\_\_

9) Where do you live? SINGLE FAMILY HOME \_\_\_ MULTI-FAMILY HOME \_\_\_ APARTMENT \_\_\_  
 OTHER \_\_\_\_\_

10) Do you own or rent where you live? OWN \_\_\_ RENT \_\_\_ OTHER \_\_\_\_\_

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- 11) How old is the place you live in? pre-1940\_\_\_\_ 1941-1960\_\_\_\_ 1961-1980\_\_\_\_ 1981-older\_\_\_\_ NOT SURE\_\_\_\_
- 12) How many people live in your home? 0-2\_\_\_\_ 3-4\_\_\_\_ 5-6\_\_\_\_ 7-8\_\_\_\_ 9 or more\_\_\_\_
- 13) May we mail you a post survey? YES\_\_\_\_ NO\_\_\_\_

THANK YOU FOR PARTICIPATING

## APPENDIX B: Pre-Surveys for Parent and Community Member Responses across Cities

<b>Parent Education Responses Across Cities</b>							
<b>Totals (How Many Responded to that Question)</b>							
<b>Education Workshops Pre-Survey Results Across Cities</b>							
Information	Little Rock	North Little Rock	Pine Bluff	Marianna	Helena	Total	Averages
#attendees (adults): based on sign-in sheet	70	20	77	58	98	323	65
# answering pre-survey	54	20	70	65	52	261	52
Percent Answering Surveys	77.14	100.00	90.91	<b>112.07</b>	53.06		87
average age	42.56	42.45	46.84	36.75	45.22	213.83	42.77
Ques1(HIPPY)	21	8	28	30	34	121	24
Ques1(Acorn)	25	2	14	0	0	41	8
Ques1(Flyers)	2	3	11	9	9	34	7
Ques1(Other)	6	6	22	5	10	49	10
Ques1(explain)	0	0	0	0	0	0	0
<b>Ques1Total</b>	54	19	75	44	53	245	49
<b>Percent Answered</b>	100.00	95.00	107.14	67.69	101.92		94.35
Ques2(Yes)	9	0	4	6	4	23	5
Ques2(No)	38	19	66	35	46	204	41
Ques2(NotSure)	3	0	0	2	2	7	1
Ques2(Explain)	0	0	0	0	0	0	0
<b>Ques2(Total)</b>	50	19	70	43	52	234	47
<b>PercentAnswered</b>	92.59	95.00	100.00	66.15	100.00		90.75
Ques3(Lot)	3	1	2	5	2	13	3
Ques3(Little)	35	12	45	24	28	144	29
Ques3(None)	10	6	17	10	15	58	12
Ques3(NotSure)	4	2	6	4	5	21	4
<b>Ques3(Total)</b>	52	21	70	43	50	236	47
<b>PercentAnswered</b>	96.30	105.00	100.00	66.15	96.15		92.72

Ques4(Yes)	37	15	57	28	27	164	33
Ques4(No)	1	3	7	6	14	31	6
Ques4(NotSure)	14	2	5	8	8	37	7
<b>Ques4(Total)</b>	52	20	69	42	49	232	46
<b>Percent Answered</b>	96.30	100.00	98.57	64.62	94.23		90.74
<b>Ques5(#of children)</b>	86	44	107	157	103	497	99
Ques8-0-2	2	9	21	15	30	77	15
Ques8-2-4	13	2	4	8	8	35	7
Ques8-4-6	6	2	6	5	2	21	4
Ques8-6-8	0	3	1	4	0	8	2
Ques8-8-above	1	1	0	2	1	5	1
<b>Ques8 (Total)</b>	42	17	32	34	41	166	33
<b>Percent Answered</b>	77.78	85.00	45.71	52.31	78.85		67.93
Quest9(Single)	28	7	42	26	24	127	25
Quest9(Multi)	6	2	7	8	7	30	6
Quest9(Apartment)	7	2	5	4	11	29	6
Quest9(Other)	2	1	0	2	2	7	1
<b>Quest9(Total)</b>	41	11	54	38	42	186	37
<b>PercentAnswered</b>	75.93	55.00	77.14	58.46	80.77		69.46
Quest10(Own)	25	5	30	23	15	98	20
Quest10(Rent)	16	7	17	14	20	74	15
Quest10(Other)	3	0	10	4	7	24	5
<b>Quest10(Total)</b>	46	13	57	43	44	203	41
<b>PercentAnswered</b>	85.19	65.00	81.43	66.15	84.62		76.48
Ques11Pre1940	8	4	2	1	2	36	7
Ques11-1941-1960	11	5	10	3	7	57	11
Ques11-1961-1980	15	4	15	11	12	57	11
Ques11-1981-older	10	4	11	10	2	37	7
Ques11-Notsure	7	3	24	15	18	67	13
<b>Ques11(Total)</b>	51	20	62	40	41	214	43
<b>PercentAnswered</b>	94.44	100.00	88.57	61.54	78.85		84.68
Ques12-0-2	20	5	30	7	22	84	17
Ques12-3-4	18	10	17	18	16	79	16
Ques12-5-6	10	4	14	16	9	53	11
Ques12-7-8	3	0	3	0	3	9	2
Ques12-9-more	1	1	1	1	1	5	1
<b>Ques12(Total)</b>	52	20	65	42	51	230	46
<b>PercentAnswered</b>	96.30	100.00	92.86	64.62	98.08		90.37
Quest13(Yes)	48	19	60	40	45	212	42
Quest13(No)	2	0	6	1	4	13	3

<b>Quest3(Total)</b>	50	19	66	41	49	225	45
<b>PercentAnswered</b>	92.59	95.00	94.29	63.08	94.23		87.84

APPENDIX C: **APPLE Education Workshop Post-Survey**

Name: \_\_\_\_\_ Age: \_\_\_\_\_ Alphanumeric Code: \_\_\_\_\_

**Ethnicity:** WHITE \_\_\_ BLACK OR AFRICAN AMERICAN \_\_\_ AMERICAN INDIAN/ALASKA NATIVE \_\_\_  
 ASIAN \_\_\_ NATIVE HAWAIIAN/PACIFIC ISLANDER \_\_\_ OTHER (what) \_\_\_\_\_

**Description:** PARENT \_\_\_ CAREGIVER \_\_\_ DAYCARE PROVIDER \_\_\_ HEALTH CARE PROVIDER \_\_\_  
 RELATIVE OF CHILD \_\_\_\_\_ OTHER (what) \_\_\_\_\_

**Contact Information** (Telephone and Address) : \_\_\_\_\_  
 \_\_\_\_\_

1) In which city did you attend the lead education workshop? ENTER CITY \_\_\_\_\_

2) Did you find the workshop informative?  
 YES \_\_\_ NO \_\_\_ SOMEWHAT \_\_\_ NOT SURE \_\_\_\_\_

3) Did you find the atmosphere at the workshop pleasant?  
 YES \_\_\_ NO \_\_\_ SOMEWHAT \_\_\_ NOT SURE \_\_\_\_\_

4) Were the instructors at the workshop easy to understand?  
 YES \_\_\_ NO \_\_\_ SOMEWHAT \_\_\_ NOT SURE \_\_\_\_\_

5) Did you learn anything new at the workshop?  
 YES \_\_\_ NO \_\_\_ SOMEWHAT \_\_\_ NOT SURE \_\_\_\_\_ Comments \_\_\_\_\_

6) Have you read any of the flyers or pamphlets in the package you received at the workshop?  
 YES \_\_\_ NO \_\_\_ SOMEWHAT \_\_\_ NOT SURE \_\_\_\_\_

7) Did you learn anything new from the materials you received in the package?  
 YES \_\_\_ NO \_\_\_ SOMEWHAT \_\_\_ NOT SURE \_\_\_\_\_ Comments \_\_\_\_\_

8) Have you shared any information from the workshop or package with friends or family?  
 YES \_\_\_ NO \_\_\_ SOMEWHAT \_\_\_ NOT SURE \_\_\_\_\_  
 IF YES, what information \_\_\_\_\_

9) Have you heard or seen any information about lead exposure or lead safety from other flyers or public service announcements recently?  
 YES \_\_\_ NO \_\_\_ SOMEWHAT \_\_\_ NOT SURE \_\_\_\_\_  
 IF YES, explain where and what \_\_\_\_\_

10) Have you changed anything in your life to help prevent lead exposure for you or a child you know?  
 YES \_\_\_ NO \_\_\_ SOMEWHAT \_\_\_ NOT SURE \_\_\_\_\_  
 IF YES, explain by using the space below:

11) Do you plan to change anything in your life to help prevent lead exposure for you or a child you know?  
 YES\_\_\_ NO\_\_\_ SOMEWHAT \_\_\_ NOT SURE\_\_\_\_\_  
 IF YES, explain by using the space below:

THANK YOU FOR PARTICIPATING

APPENDIX D: Post-Surveys for Parent and Community Member Responses across Cities

<b>Education Workshops Post-Survey Results Across Cities</b>						
	<b>Little Rock</b>	<b>Pine Bluff</b>	<b>Marianna</b>	<b>Helena</b>	<b>Total</b>	<b>Averages</b>
<b>Information</b>						
#attendees (adults): based on sign-in sheet	70	77	58	98	303	76
# answering post-survey	32	42	49	76	199	50
Percent Answering post surveys	45.71	54.55	84.48	77.55		65.57
Percent Post/Pre Answering surveys	84.66	54.55	75.38	146.15		90.19
<b>average age</b>	43.06	48.58	37.62	40.25	169.51	42.38
Black	35	63	44	70	212	53
white	2	5	0	4	11	3
am/alas	1	0	0	0	1	0
asian	0	1	0	0	1	0
pacificislander	0	0	2	0	2	1
Other	0	0	0	0	0	0
<b>Totalrace</b>	38	69	46	74	227	57
<b>Percentage Answered</b>	118.75	164.29	93.88	97.37		118.57
Parent	26	28	25	17	96	24
Other	1	18	13	8	40	10
Caregiver	7	11	3	5	26	7
DayCareProvider	4	2	6	3	15	4
HeathCareProvider	0	3	0	0	3	1
<b>Description(Total)</b>	38	62	47	33	180	45
<b>Percentage Answered</b>	118.75	147.62	95.92	43.42		101.43
Quest2(Yes)	32	42	47	76	197	49
Quest2(No)	0	1	1	0	2	1
Quest2(Somewhat)	0	0	1	0	1	0
Quest2(NotSure)	0	0	0	0	0	0
<b>Quest2(Total)</b>	32	43	49	76	200	50

<b>Percentage Answered</b>	100.00	102.38	100.00	100.00		100.60
Quest3(Yes)	32	42	47	75	196	49
Quest3(No)	0	0	0	0	0	0
Quest3(Somewhat)	0	1	2	0	3	1
Quest3(NotSure)	0	0	0	0	0	0
<b>Quest3(Total)</b>	32	43	49	75	199	50
<b>Percentage Answered</b>	100.00	102.38	100.00	98.68		100.27
Quest4(Yes)	31	41	46	75	193	48
Quest4(No)	0	0	0	0	0	0
Quest4(Somewhat)	1	2	2	1	6	2
Quest4(NotSure)	4	2	6	3	15	4
<b>Quest4(Total)</b>	36	45	54	79	214	54
<b>Percentage Answered</b>	112.50	107.14	110.20	103.95		108.45
Quest5(Yes)	32	41	44	74	191	48
Quest5(No)	0	1	0	1	2	1
Quest5(Somewhat)	0	1	5	0	6	2
Quest5(NotSure)	0	0	0	0	0	0
Quest5(Comments)	0	0	0	0	0	0
<b>Quest5(Total)</b>	32	43	49	75	199	50
<b>Percentage Answered</b>	100.00	102.38	100.00	98.68		100.27
Quest6(Yes)	22	35	34	73	164	41
Quest6(No)	8	2	3	1	14	4
Quest6(Somewhat)	2	6	11	1	20	5
Quest6(NotSure)	0	0	1	0	1	0
<b>Quest6(Total)</b>	32	43	48	75	198	50
<b>Percentage Answered</b>	100.00	102.38	97.96	98.68		99.76
Quest7(Yes)	21	23	38	73	155	39
Quest7(No)	8	7	1	0	16	4
Quest7(Somewhat)	3	8	9	1	21	5
Quest7(NotSure)	0	1	1	0	2	1
Quest7(Comments)	0	0	0	0	0	0
<b>Quest7(Total)</b>	32	39	49	74	194	49
<b>Percentage Answered</b>	100.00	92.86	100.00	97.37		97.56
Quest8(Yes)	23	35	32	61	151	38
Quest8(No)	6	6	3	1	16	4
Quest8(Somewhat)	2	0	14	10	26	7
Quest8(NotSure)	0	0	1	1	2	1
Quest8(Explain)	0	0	0	0	0	0
<b>Quest8(Total)</b>	31	41	50	73	195	49
<b>Percentage Answered</b>	96.88	97.62	102.04	96.05		98.15

Quest9(Yes)	6	11	22	53	92	23
Quest9(No)	22	31	18	11	82	21
Quest9(Somewhat)	2	0	8	10	20	5
Quest9(NotSure)	2	0	1	0	3	1
Quest9(Explain)	0	0	0	0	0	0
<b>Quest9(Total)</b>	<b>32</b>	<b>42</b>	<b>49</b>	<b>74</b>	<b>197</b>	<b>49</b>
<b>Percentage Answered</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>97.37</b>		<b>99.34</b>
Quest10(Yes)	9	14	27	40	90	23
Quest10(No)	8	10	6	7	31	8
Quest10(Somewhat)	0	2	13	11	26	7
Quest10(NotSure)	0	1	2	0	0	1
Quest10b(Explain)	0	0	0	0	0	0
<b>Quest10(Total)</b>	<b>17</b>	<b>27</b>	<b>48</b>	<b>58</b>	<b>150</b>	<b>38</b>
<b>Percentage Answered</b>	<b>53.13</b>	<b>64.29</b>	<b>97.96</b>	<b>76.32</b>		<b>72.92</b>
Quest11(Yes)	13	20	32	40	105	26
Quest11(No)	5	5	11	5	26	7
Quest11(Somewhat)	0	0	6	11	17	4
Quest11(NotSure)	0	4	0	0	4	1
Quest11b(Explain)	0	0	1	0	1	0
<b>Quest11(Total)</b>	<b>18</b>	<b>29</b>	<b>49</b>	<b>56</b>	<b>152</b>	<b>38</b>
<b>Percentage Answered</b>	<b>56.25</b>	<b>69.05</b>	<b>100.00</b>	<b>73.68</b>		<b>74.75</b>

**APPENDIX E: Pre and Post-Training Lead-Safe Worker Training Survey**

This questionnaire is NOT a test. It is to help us determine the effectiveness of the training sessions and pinpoint areas of the curriculum which need modification. It is important that we know your honest opinions and answers. Thank you for completing it.

Name: \_\_\_\_\_ Age: \_\_\_\_\_ Assigned Alphanumeric Code: \_\_\_\_\_

**Ethnicity:** WHITE \_\_\_ BLACK OR AFRICAN AMERICAN \_\_\_ AMERICAN INDIAN/ALASKA NATIVE \_\_\_

ASIAN \_\_\_ NATIVE HAWAIIAN/PACIFIC ISLANDER \_\_\_ OTHER (what) \_\_\_\_\_

**Description:** Homeowner \_\_\_\_\_ Individual Contractor \_\_\_\_\_ Company Contractor \_\_\_\_\_

Other \_\_\_\_\_

**Contact Information** (Telephone and Address) : \_\_\_\_\_

Please check ALL of the ways you think children can get lead poisoning.

1. \_\_\_\_\_ from breathing lead fumes from cars now in use in the United States
2. \_\_\_\_\_ from drinking the tap water in most homes
3. \_\_\_\_\_ from picking up and eating small particles of lead paint they find
4. \_\_\_\_\_ from putting lead dust coated toys and fingers in their mouths
5. \_\_\_\_\_ from absorbing lead dust through their skin when playing in areas near lead paint
6. \_\_\_\_\_ from breathing in lead dust created during sanding of lead paint
7. \_\_\_\_\_ from breathing in lead fumes when lead paint is being burned off
8. \_\_\_\_\_ from dust on parents' clothing if they work with lead paint or do renovation involving lead paint
9. \_\_\_\_\_ from intact paint that contains lead

10. Circle only one: The most common way children get lead poisoning is by...

- a. Eating paint chips
- b. Breathing dust or fumes
- c. Hand to mouth activity (putting hands and toys in mouth)

What is your honest opinion about the importance of the activity described? Circle only one.

1. Avoiding eating and drinking on a job where lead dust is generated is

Not important    Minimally important    Moderately important    Very important

2. Unless otherwise known, assuming that paint in a home built before 1978 contains lead is...

Not important    Minimally important    Moderately important    Very important

3. Assuring that children and pregnant women are out of the house anytime work will generate lead dust or fumes is...

Not important    Minimally important    Moderately important    Very important

4. When you go home, making sure your skin, hair, and clothes are free of dust that may contain lead before hugging your children is...

Not important    Minimally important    Moderately important    Very important

5. Isolating work areas where there may be lead-based paint from the rest of the house by using 6 mil plastic sheeting and duct tape is....

Not important    Minimally important    Moderately important    Very important

Circle the choice which best describes what you presently do when you have a job that may involve lead paint. Circle only one.

1. Wash my hands frequently when on a job that may involve lead paint.

Hardly ever do                  Occasionally do                  Often do                  Nearly always do

2. Use a wet clean-up technique on the site at the end of a job that may involve lead paint.

Hardly ever do                  Occasionally do                  Often do                  Nearly always do

3. Unless otherwise known, assume any home built before 1978 contains lead.

Hardly ever do                      Occasionally do                      Often do                      Nearly always do

4. Warn the people living in a house when work must be done which might generate lead dust.

Hardly ever do                      Occasionally do                      Often do                      Nearly always do

5. Use a wet, rather than dry, sanding or scraping technique when working with areas of paint that may contain lead.

Hardly ever do                      Occasionally do                      Often do                      Nearly always do

**APPENDIX F: Pre-Survey Results for Contractor Training**

Pre Survey Responses Across Cities								
Information	Little Rock	North Little Rock	Pine Bluff	Marianna	Helena	Conway	Total	Average
#attendees based on sign-insheet	15	68	98	16	27	24	248	41.33
answered pre-survey	14	69	97	16	27	24	247	41.17
Percent Response	93.33	101.47	98.98	100.00	100.00	100.00		98.96
average age	42.15	53.38	47.36	34.69	41.81	44.58	263.97	43.88
deshome	5	34	46	6	14	1	106	21
desindividual	1	11	20	3	5	5	45	8
homecompany	1	8	20	7	2	6	44	7.6
<b>total des</b>	7	53	86	16	21	12	195	36.6
Black	1	39	45	8	20	22	135	22.6
white	13	20	45	7	4	1	90	17.8
am/alas	0	1	0	0	0	0	1	0.2
asian	0	0	0	0	0	0	0	0
pacificislander	0	2	1	0	0	0	3	0.6
Other	0	0	1	0	0	1	2	0.2
what	0	0	0	0	0	0	0	0
<b>totalrace</b>	14	62	92	15	24	24	231	41.4
<b>Total Percent (answered)</b>	100	90	95	94	89	100		93
quest1	3	35	41	8	8	7	102	19
quest2	3	36	37	7	7	10	100	18
quest3	14	65	90	16	24	23	232	41.8
quest4	13	63	86	15	27	22	226	40.8
quest5	11	53	78	10	20	18	190	34.4
quest6	12	65	85	16	26	23	227	40.8
quest7	11	55	77	13	24	24	204	36
quest8	13	59	80	14	25	20	211	38.2
quest9	6	43	60	6	13	12	140	25.6
<b>TotalQuest1-9</b>	86	474	634	105	174	159	1632	294.6

quest10a	6	30	32	6	11	8	93	17
quest10b	4	5	21	3	6	3	42	7.8
quest10c	3	28	38	6	12	13	100	17.4
<b>TotalQuest10</b>	13	63	91	15	29	24	235	42.2
<b>Total Percent Answered)</b>	92.86	91.30	93.81	93.75	107.41	100.00		95.83
quest1not	0	2	1	0	1	0	4	0.8
quest1min	3	3	3	1	0	1	11	2
quest1mod	2	12	16	2	5	5	42	7.4
quest1very	8	47	72	13	20	17	177	32
<b>totalquest1</b>	13	64	92	16	26	23	234	42.2
<b>Total Percent Answered)</b>	92.86	92.75	94.85	100.00	96.30	95.83		95.35
quest2not	0	0	0	0	0	0	0	0
quest2min	0	2	2	1	1	2	8	1.2
quest2mod	2	7	17	4	9	5	44	7.8
quest2very	11	57	74	11	17	16	186	34
<b>totalquest2</b>	13	66	93	16	27	23	238	43
<b>Total Percent Answered)</b>	92.86	95.65	95.88	100.00	100.00	95.83		96.88
quest3not	0	0	0	0	0	0	0	0
quest3min	0	0	2	0	0	0	2	0.4
quest3mod	1	8	9	3	2	1	24	4.6
quest3very	12	58	81	11	24	21	207	37.2
<b>totalquest3</b>	13	66	92	14	26	22	233	42.2
<b>Total Percent Answered)</b>	92.86	95.65	94.85	87.50	96.30	91.67		93.43
quest4not	0	0	0	0	0	0	0	0
quest4min	1	2	1	0	1	0	5	1
quest4mod	2	11	14	5	3	4	39	7
quest4very	11	53	79	11	22	19	195	35.2
<b>totalquest4</b>	14	66	94	16	26	23	239	43.2
<b>Total Percent Answered)</b>	100.00	95.65	96.91	100.00	96.30	95.83		97.77
quest5not	0	0	0	0	0	0	0	0
quest5min	1	0	1	2	0	2	6	0.8
quest5mod	2	8	12	1	4	3	30	5.4
quest5very	10	56	80	11	23	18	198	36
<b>totalquest5</b>	13	64	93	14	27	23	234	42.2
<b>Total Percent Answered)</b>	92.86	92.75	95.88	87.50	100.00	95.83		93.80

Quest1Hardly	2	6	4	4	2	1	19	3.6
Quest1Occas	2	11	14	0	8	4	39	7
Quest1Often	5	21	36	4	11	11	88	15.4
Quest1Always	4	26	40	6	5	7	88	16.2
<b>totalquest1</b>	13	64	94	14	26	23	234	42.2
<b>Total Percent Answered)</b>	92.86	92.75	96.91	87.50	96.30	95.83		93.26
Quest2Hardly	2	8	11	4	5	3	33	6
Quest2Occas	3	4	8	1	6	2	24	4.4
Quest2Often	5	23	35	3	7	8	81	14.6
Quest2Always	3	27	39	4	8	10	91	16.2
<b>TotalQuest2</b>	13	62	93	12	26	23	229	41.2
<b>Total Percent Answered)</b>	92.86	89.86	95.88	75.00	96.30	95.83		89.98
Quest3Hardly	0	4	6	1	4	0	15	3
Quest3Occas	4	5	13	3	5	2	32	6
Quest3Often	1	18	28	4	6	9	66	11.4
Quest3Always	9	38	46	6	12	12	123	22.2
<b>totalquest3</b>	14	65	93	14	27	23	236	42.6
<b>Total Percent Answered)</b>	100.00	94.20	95.88	87.50	100.00	95.83		95.52
Quest4Hardly	0	5	8	3	3	0	19	3.8
Quest4Occas	1	5	12	1	2	1	22	4.2
Quest4Often	5	15	21	4	6	6	57	10.2
Quest4Always	8	39	50	5	16	16	134	23.6
<b>totalquest4</b>	14	64	91	13	27	23	232	41.8
<b>Total Percent Answered)</b>	100.00	92.75	93.81	81.25	100.00	95.83		93.56
Quest5Hardly	2	13	11	2	6	3	37	6.8
Quest5Occas	4	6	14	4	6	2	36	6.8
Quest5Often	4	15	26	2	6	5	58	10.6
Quest5Always	3	27	41	3	8	12	94	16.4
<b>totalquest5</b>	13	61	92	11	26	22	225	40.6
<b>Total Percent Answered)</b>	92.86	88.41	94.85	68.75	96.30	91.67		88.23

APPENDIX G: Post Survey Results for Contractor Training Across Cities

<b>Post-Survey Responses Across Cities</b>								
<b>Information</b>	<b>Little Rock</b>	<b>North Little Rock</b>	<b>Pine Bluff</b>	<b>Marianna</b>	<b>Helena</b>	<b>Conway</b>	<b>Total</b>	<b>Averages</b>
#attendees	15	68	98	16	27	24	248	41.33
answered post-survey	14	66	92	16	27	23	238	39.67
Percent Response	93.33	97.06	93.88	100.00	100.00	95.83		96.68
Percent Response Post/Pre	100.00	95.65	94.85	100.00	100.00	95.83	96.36	97.72
average age	42.15	52.41	47.36	37.25	41.81	40.63	261.61	44.20
deshome	5	30	47	5	14	2	103	20.2
desindividual	1	11	20	3	5	3	43	8
homecompany	3	9	21	3	2	6	44	7.6
<b>total description</b>	9	50	88	0	21	11	179	33.6
Black	1	35	45	8	20	18	127	21.8
white	13	23	46	6	4	1	93	18.4
am/alas	0	1	0	0	0	0	1	0.2
asian	0	0	0	0	0	0	0	0
pacificislander	0	1	1	0	0	0	2	0.4
Other	0	0	1	1	0	0	2	0.4
what	0	0	0	0	0	0	0	0
<b>totalrace</b>	14	60	93	15	24	19	225	41.2
<b>Total Percent (answered)</b>	100	91	101	94	89	83		95
quest1	5	36	54	9	4	3	111	21.6
quest2	8	34	55	10	4	4	115	22.2
quest3	14	65	95	15	14	23	226	40.6
quest4	14	66	95	15	17	23	230	41.4
quest5	10	62	86	14	12	21	205	36.8
quest6	14	65	92	15	16	23	225	40.4
quest7	14	63	86	15	15	22	215	38.6
quest8	14	64	93	15	16	23	225	40.4
quest9	4	40	59	9	7	11	130	23.8
<b>TotalQuest1-9</b>	97	495	715	117	105	153	1682	305.8
quest10a	2	13	22	2	6	3	48	9

quest10b	2	2	6	5	4	6	25	3.8
quest10c	10	49	66	12	9	15	161	29.2
<b>TotalQuest10</b>	14	64	94	19	19	24	234	42
<b>Total Percent (answered)</b>	100	97	102	119	70	104		98
quest1not	0	0	0	0	1	0	1	0.2
quest1min	0	0	0	0	0	0	0	0
quest1mod	0	4	3	1	5	1	14	2.6
quest1very	14	62	92	14	20	22	224	40.4
<b>totalquest1</b>	14	66	95	15	26	23	239	43.2
<b>Total Percent (answered)</b>	100	100	103	94	96	100		99
quest2not	0	0	0	0	0	0	0	0
quest2min	0	0	2	0	1	0	3	0.6
quest2mod	0	1	4	2	9	2	18	3.2
quest2very	14	64	88	13	17	21	217	39.2
<b>totalquest2</b>	14	65	94	15	27	23	238	43
<b>Total Percent (answered)</b>	100	98	102	94	100	100		99
quest3not	0	0	0	0	0	0	0	0
quest3min	0	0	0	0	0	0	0	0
quest3mod	0	1	0	1	2	0	4	0.8
quest3very	14	65	95	14	24	23	235	42.4
<b>totalquest3</b>	14	66	95	15	26	23	239	43.2
<b>Total Percent (answered)</b>	100	100	103	94	96	100		99
quest4not	0	0	0	0	0	0	0	0
quest4min	0	0	0	0	1	0	1	0.2
quest4mod	0	1	4	2	3	0	10	2
quest4very	14	65	90	13	22	23	227	40.8
<b>totalquest4</b>	14	66	94	15	26	23	238	43
<b>Total Percent (answered)</b>	100	100	102	94	96	100		98
quest5not	0	0	0	0	0	0	0	0
quest5min	0	0	0	0	0	0	0	0
quest5mod	0	1	2	1	4	0	8	1.6
quest5very	14	65	93	14	23	23	232	41.8
<b>totalquest5</b>	14	66	95	15	27	23	240	43.4
<b>Total Percent (answered)</b>	100	100	103	94	100	100		99
Quest1Hardly	0	4	1	1	2	0	8	1.6

Quest1Occas	2	5	8	0	8	3	26	4.6
Quest1Often	3	14	23	4	11	7	62	11
Quest1Always	9	43	62	8	5	13	140	25.4
<b>totalquest1</b>	14	66	94	13	26	23	236	42.6
<b>Total Percent (answered)</b>	100	100	102	81	96	100		96
Quest2Hardly	1	5	6	0	5	0	17	3.4
Quest2Occas	2	5	6	1	6	2	22	4
Quest2Often	4	14	25	4	7	7	61	10.8
Quest2Always	7	41	56	8	8	14	134	24
<b>TotalQuest2</b>	14	65	93	13	26	23	234	42.2
<b>Total Percent (answered)</b>	100	98	101	81	96	100		95
Quest3Hardly	0	3	3	0	4	0	10	2
Quest3Occas	0	2	7	1	5	0	15	3
Quest3Often	1	7	19	1	6	8	42	6.8
Quest3Always	13	54	64	11	12	15	169	30.8
<b>totalquest3</b>	14	66	93	13	27	23	236	42.6
<b>Total Percent (answered)</b>	100	100	101	81	100	100		96
Quest4Hardly	0	5	6	0	3	0	14	2.8
Quest4Occas	0	2	4	1	2	3	12	1.8
Quest4Often	0	9	19	2	6	5	41	7.2
Quest4Always	14	50	65	10	16	15	170	31
<b>totalquest4</b>	14	66	94	13	27	23	237	42.8
<b>Total Percent (answered)</b>	100	100	102	81	100	100		97
Quest5Hardly	0	3	4	1	6	1	15	2.8
Quest5Occas	1	5	9	0	6	3	24	4.2
Quest5Often	3	10	15	2	6	4	40	7.2
Quest5Always	10	47	65	10	8	15	155	28
<b>totalquest5</b>	14	65	93	13	26	23	234	42.2
<b>Total Percent (answered)</b>	100	98	101	81	96	100		95

APPENDIX H: Contractor Attendants: Names and Information  
 Further contact information can be furnished on request

**Little Rock**

First Name	Last Name	Telephone
Valarie	Conway	15015877757
Tim	Scott	5013403594
Stephen	Kassa	5013408216
Harold L.	Evans	5107791383
Daven	McCoy	5013408399
Reginald	Cooper	5016125656
Guy	Abernathy	5012252115
Terence	Bolden	5013403433
Nathaniel	Saine	5016641252
Kenric	Saine	5016149514
Mike	Price	5013767151
Tonya	Fisher	5012474370
James	Johnson	5013924558
Sam	O'Bryant	5013403592
Alesia	Ferguson	5019522817

Note: Dr. Alesia Ferguson received training by Larry Palmer in this first workshop.

**North Little Rock**

First Name	Last Name	Telephone
Ruthie	Ford	501 982 7188
Harold M.	Ford	501 982 7188
John	Hunt	501 765 8532
Allen	Davis	501 960 3442
Russell	LaRue	870 743 2294
Jim	Briley	501 975 8829
Asa	Whitaker	870 307 2236
Shelli	Roberts	501 982 0377
Clifford B.	Johnson	501 843 0256 or 941 9115
Herbert	Cox	501 351 3457
Virlean	Cox	501 562 1249
Robert	Mosley	501 228-7142
Phillip	Rambin	501 888 0793 or 501-330-1951
Angela	Ward	501 888 0793
Melvin	Paxton, Sr.	501 664 6131
William	Beard	501 758 3637
Keith	Meyer	501 563 7350
Albert	Meyer	501 563 7350 or 658 4216
Audie	Walding	501 912 8715
William	Cox	501 940 2312
Gail	Blucker	501 835 6679
James	Blucker	501 835 6679

Marion	Tolson	501 607 0511
Robert	Bowerman	501 831 0927
Orson	Jewell	501 9512989
Tanya	Jewell	501 225 0142
Randy	Kemp	501 843 8515
Robert	Palmer	501 912 7556
Amy	Bryant	501 329 3891 ext 126
Bryan	Clark	501 200 2086
Randy	Barrett	501 372 1803 or 501-776-2681
Allen Chris	Vaughn	501 372 1803 or 501-776-2681
Donna	Smith	501 982 4574
Janice S.	Johnson	501 833 1694 or 501-563-6519
Dennis J.	Burget	501 909 9094
Angelene	Phillips	501 664 3468
Bernestine	Washington	501 897 4466 or 350 6361
Jhonnixy K.	Solis	501 562 8042 or 501-613-1764
Clifford J.	Shultz	501 940 8894
Pamela	Lasiter	501 758 5130
Paul	Goodman	501 758 7050
Ed	Six	501 835 2720
James	Brown	501 664 9314 or 501-425-4212
James	Yarbough	501 224 8830
Nicholas	Hoot	501 240 9936
Kenneth	Kelly	501 960 8577
Ruth	Prindle	501 753 6035
I.J.	Prindle	501 753 6035
Jeff	Currence	501 412 3849
Wayne	Mills	501 221 7122
Ulysses	Wafford	501 744 8472
Gerome	Jefferson	501 680 4484
Mike	Rickel	501 589 3798
Rick	Fore	501 329 7777
Dale	Handie	501 240 1983
Jason	Springer	501 920 8409
Joyce	Dutcher	501 351 0050
William W.	Peyton	501 351 0050
Calvin	Richardson	501 228 6784
Mae Frances	Richardson	501 228 6784
Ralph	McDaniel	501 680 0220
Roger	McCoy	501 584 3919
Martha	Fewell	501 771-1275
George H.	Hood	501 961 1042 240 8676
Jason	Winchester	479 925 0175

Jonathan	Janacek	479 621 0565
Anthony	Dixon	501 219 1768
Anika	Dixon	501 247 8485

Pine Bluff

Name	City	phone
Anthony Washington	Pine Bluff	870 539 1509- 534 1509
Andreanna Passmore	Quitman	501 581 1372
Antonio Davis	Pine Bluff	870 872 3370
Barry L. Creasy	Pine Bluff	870 541 0278
Ben Fleming	Sheridan	870 942 8775
Betty Wesson	Alzheimer	870 766 4235
Bill Arnold	Pine Bluff	870 498 0982
Brenda Howard	Pine Bluff	870 535 6974
Carson Bridges	Pine Bluff	870 534 0023
Charles E. Bruce	Pine Bluff	870 879 4245
Charles Anderson	Pine Bluff	870 489 1297
Charles Failla III	Pine Bluff	870 534 8236
Charles Ratcliff	Pine Bluff	870 924 4484
Charles Wesson	Althener	870 766 4235
Chris Ashcraft	Pine Bluff	870 692 8436
Christy L. Thomas	Pine Bluff	870 592 0885/870 535 4227
Clifford Handcock Sr.	Pine Bluff	870 879 6353
Dan L. Mays	Heber Springs	501 362 0537
Danny Doss	Newport	870 512 2204
Danny Lambert	Dumas	870 382 2514
Donna Smith	Texarkana	903 733 4265/870 772 7886
Donnie Robinson	malvern	501 467 3447
Dorothy Bingham	Pine Bluff	501 844 6634/870 879 5209
Dwayne Bingham	Pine Bluff	870 879 5209
Edwin Fowler	Little Rock	501 897 2946
Eric Obeonaga	Memphis	870 897 4630/901 213 9996
Eric Roberts	Jacksonville	501 690 4173
Felicia Webb	Pine Bluff	
Forrest E. Guenther	Sheridan	870 942 1857
Frances Newsome	Pine Bluff	
Fred Toney	Little Rock	501 228 1022
George Cooper Jr.	Little Rock	501 257 0667
Gerald Williams	Pine Bluff	870 541 9484
Greg Irwin	Hot Springs	501 624 5724
Helen Lee	Pine Bluff	870 536 8104
Henry Dabner	Pine Bluff	870 592 3556/870 718 8136
Isaac Leon Barron	Pine Bluff	870 329 9526

Jacquelyn Holmes	Pine Bluff	870 592 2903
James Speers	Bonerdale	501 617 1445
James E. Faulks	Hooks	870 772 1886/903 701 0054
James Lawrence	Pine Bluff	870 489 0918
James Smith	Rison	870 325 6165/870 267 6293
Jamin Ross	Pine Bluff	870 543 1853
Jean Painton	Pine Bluff	870 536 0733
Jeff Gaston	Pine Bluff	870 692 7924/870 543 1845
Jeremy Harris	Conway	501 733 4692
Jeremy Passmore	Quitman	501 730 5357
Jimmy Powell	Star City	870 267 6627
John Ashcraft	Pine Bluff	870 879 0122
John Bates	Hot Springs	501 624 5724
John Bryant	Texarkana	870 550 0342/ 903 733 4265
John E. Sargent	Pine Bluff	870 536 1429
John J. Schuetz	Pine Bluff	870 536 5311
John Simmons	Leola	870 941 8766
Josephine Darn	Pine Bluff	870 536 1361
Justin Clement	Grapevine	870 489 1959
Jerry Williams	Texarkana	870 774 7764
Kenneth Allen	Little Rock	501 455 4783
Kevin Cooper	Little Rock	501 231 4934
Karen Guenther	Sheridan	870 942 1857
Laquetta Mickens	Pine Bluff	870 879 0166
Larry Bailey	Newport	870 540 6906
Larry Cantrell	West Dumas	870 377 0202
Lee Harris, Jr.	Conway	501 416 8193/501 328 3380
Lula M. Gray	Pine Bluff	870 535 5680
Lynn Roberts		870 773 7961, ext 27/879 540 6906
Mathew Hudgens	Rison	870 723 3167
Michael Hayden	Hot Springs	870 774 7764
Mike Potts	Texarkana	870 773 7691 ext 27
Mike Roberts		903 701 0054
Mitzi Ruth	Pine Bluff	870 543 1822
Pat Davis	Pine Bluff	870 540 9657
Randolph Martin	Hot Springs	501 307 6577
Randy Payne	White Hall	870 489 4720
Ray Spears	Humphrey	870 329 4664
Richard Meeks	Rison	501 627 4813
Ricky Holmes	Little Rock	501 554 1899
Ricky Williams	Dumas	870 575 1821
Rodney Hall	Little Rock	501 258 2654

Rodney Powell	Pine Bluff	501 329 6846
Roger Stewart	Rison	870 357 8204
Ronald D. Creed	South Prattsville	870 917 2086
Ronald Langhammer	Montecello	870 224 2303
Ronald Wilkerson	Little Rock	501 868 8071
Sammie Strawder	Pine Bluff	870 534 8377
Samuel Vance	Pine Bluff	870 536 8174
Sean L. Thomas	Pine Bluff	870 543 1885
Steve Orr	Arkadelphia	870 230 2651/870 246 2290
Steven Allen	Pine Bluff	870 692 6352
Steven Barrett	Pine Bluff	870 942 0990
Stoney Shaw	Pine Bluff	870 692 1883
Thomas L. Williams	Pine Bluff	870 536 6576
Vinson Seibs	White Hall	870 489 1305
William Mess	Pine Bluff	870 550 1113
Wymon J. Norful	Pine Bluff	870 535 0461
XL McGee	Pine Bluff	870 592 0077
Zachary Scott	Pine Bluff	870 534 3410
Jeffery McGaston	Pine Bluff	

**Marianna Contractors**

<b>Name</b>	<b>Telephone</b>
Chad Toland	501 258 6658
Clyde Noel	870 295 6963
Connie Muqtasid	S&B Construction
Delamar Fraction	870 768 5638/870 295 4147
E Richard Craven	870 821 9162
George H Barnes Sr.	870 543 1847
James A. Byran	
James Breeding	501 766 7011
James T West	870 879 1827/ 870 550 9378
James White	501 336 7326
Jenairo Thornton	
Jesse Pena	
John Pope	370 633 7775
Roy A Vondran	
Ruthie West	
Timothy Austin	501 661 0514

**Helena Contractors**

First Name	Last Name	Telephone
Randy	Spradlin	5013365650
Nancy	Stahl	5016793399
James E.	Boyd	870384541
Kendrick	Johnson	8707188256
David	Gaither	5012587714
Franklin	Williams	8705869347
Willis	Mayfeild	8703238181
Gary	Williams	8704506128
Raymond	Stahl	5015145090
Tommy	Ford	8706352771
Buster	Coleman	8708729640
Kern M.	McGuire	8702084067
Pat	Cullivan	5018377525
Larry	Wilson	8703381881
Danny W.	Whitman	8705787391
Stan	Gatchol	
Edward H.	Schieffler	8705722161
Richard	Benedict	8708027100
Hardin	Daniels	9012647458
Billy	Russel	8702750960
Jacob	Bright	8707140529
Fredrick	Gamble	8709954324
Curtis	Amos	8702406681
Alton	Darty	8708220124
Don	Stephens	
Kris	Rose	8708924547
Ronnie	Nance	8709184994

**Conway Contractors**

First Name	Last Name	Telephone
Joe	Payton	4797852303/ 4144319
Howard	Cummings	5014507814
Ricky	Masters	5019419599
Ralph	Edwards Jr.	5015817567
Joe	Branstetter	5013515310
Zeke	Branstetter	5019400894
Kevin	Harrison	4977852303/#128
Al	Selman	4794746893
Henry	Woodruff	4975615923

Karl	Fuller	4794096149
Steve	Ficklin	5018381100
Gary	McDonald	5016904841
Melissa	McWilliams	5013290977
Tomas A.	Ward	4795222775
Brain	Janus	4795730191
Dan	Bahr	4792281500
Donna	M. Bahr	4792281500
Adriel	Garcia	8705778790
Peter	Thomas	8704492435
Hank	Ragan	8704482799
Lexie	Coots	8707412544
Kenneth	Hooper	8707412544
Darwin	Arnold	8707412544
Robert	Miller	8707412544