11. APPROVED BUDGET (Excludes Direct Assistance)

<table>
<thead>
<tr>
<th>Financial assistance from the Federal Awarding Agency Only</th>
<th>Total project costs including grant funds and all other financial participation</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Salaries and Wages</td>
<td>0.00</td>
</tr>
<tr>
<td>b. Fringe Benefits</td>
<td>103,521.00</td>
</tr>
<tr>
<td>c. Total Personnel Costs</td>
<td>103,521.00</td>
</tr>
<tr>
<td>d. Equipment</td>
<td>0.00</td>
</tr>
<tr>
<td>e. Supplies</td>
<td>2,870.00</td>
</tr>
<tr>
<td>f. Travel</td>
<td>12,726.00</td>
</tr>
<tr>
<td>g. Construction</td>
<td>0.00</td>
</tr>
<tr>
<td>h. Other</td>
<td>8,496.00</td>
</tr>
<tr>
<td>i. Contractual</td>
<td>0.00</td>
</tr>
<tr>
<td>j. TOTAL DIRECT COSTS</td>
<td>127,613.00</td>
</tr>
<tr>
<td>k. INDIRECT COSTS</td>
<td>62,556.00</td>
</tr>
<tr>
<td>l. TOTAL APPROVED BUDGET</td>
<td>190,169.00</td>
</tr>
</tbody>
</table>

12. AWARD COMPUTATION

<table>
<thead>
<tr>
<th>AMOUNT OF FINANCIAL ASSISTANCE THIS ACTION</th>
<th>LESS CUMULATIVE PRIOR AWARD(S) THIS BUDGET PERIOD</th>
<th>TOTAL DIRECT COSTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. 190,169.00</td>
<td>20.00</td>
<td>190,169.00</td>
</tr>
<tr>
<td>b. 0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>c. 0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>d. 0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>e. 0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>f. 0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>13. Total Federal Funds Awarded to Date for Project Period</td>
<td>950,845.00</td>
<td></td>
</tr>
</tbody>
</table>

14. RECOMMENDED FUTURE SUPPORT

15. PROGRAM INCOME SHALL BE SHOWN IN ACCORD WITH ONE OF THE FOLLOWING ALTERNATIVES:

<table>
<thead>
<tr>
<th>a. DEDUCTION</th>
<th>b. ADDITIONAL COSTS</th>
<th>c. MATCHING</th>
<th>d. OTHER RESEARCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>f. OTHER (See REMARKS)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16. THIS AWARD IS BASED ON AN APPLICATION SUBMITTED TO, AND AS APPROVED BY, THE FEDERAL AWARDING AGENCY ON THE ABOVE TITLED PROJECT AND IS SUBJECT TO THE TERMS AND CONDITIONS INCORPORATED EITHER DIRECTLY OR BY REFERENCE IN THE FOLLOWING:

| a. The grant program legislation. |
| b. The grant program regulations. |
| c. The award notice including terms and conditions, if any, noted below under REMARKS. |
| d. Federal administrative requirements, cost principles and audit requirements applicable to this grant. |

In the event there are conflicting or otherwise inconsistent policies applicable to the grant, the above order of precedence shall prevail. Acceptance of the grant terms and conditions is acknowledged by the grantee when funds are drawn or otherwise obtained from the grant payment system.
### Direct Assistance

<table>
<thead>
<tr>
<th>BUDGET CATEGORIES</th>
<th>PREVIOUS AMOUNT (A)</th>
<th>AMOUNT THIS ACTION (B)</th>
<th>TOTAL (A + B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Fringe Benefits</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Travel</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Equipment</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Supplies</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Contractual</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Construction</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Other</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Total</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
</tbody>
</table>
### Federal Financial Report Cycle

<table>
<thead>
<tr>
<th>Reporting Period Start Date</th>
<th>Reporting Period End Date</th>
<th>Reporting Type</th>
<th>Reporting Period Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>04/01/2017</td>
<td>03/31/2018</td>
<td>Annual</td>
<td>06/29/2018</td>
</tr>
<tr>
<td>04/01/2018</td>
<td>03/31/2019</td>
<td>Annual</td>
<td>06/29/2019</td>
</tr>
<tr>
<td>04/01/2019</td>
<td>03/31/2020</td>
<td>Annual</td>
<td>06/29/2020</td>
</tr>
</tbody>
</table>
1. TERMS AND CONDITIONS_FY2019 (YR03) CONTINUATION
2. TECH REVIEW_YR03
Incorporation: In addition to the federal laws, regulations, policies, and CDC General Terms and Conditions for Non-research awards at https://www.cdc.gov/grants/federalregulationspolicies/index.html, the Centers for Disease Control and Prevention (CDC) hereby incorporates Notice of Funding Opportunity (NOFO) number TS17-1701, entitled ATSDR’s Partnership to Promote Local Efforts To Reduce Environmental Exposure, and application dated November 27, 2018, as may be amended, which are hereby made a part of this Non-research award, hereinafter referred to as the Notice of Award (NOA).

Approved Funding: Funding in the amount of $380,338 is approved for the Year 03 budget period, which is April 1, 2019 through March 31, 2020. All future year funding will be based on satisfactory programmatic progress and the availability of funds.

The federal award amount is subject to adjustment based on total allowable costs incurred and/or the value of any third party in-kind contribution when applicable.

Note: Refer to the Payment Information section for Payment Management System (PMS) subaccount information.

Available Funding: The CDC/ATSDR is operating under a continuing resolution; as a result, the total available funding for the Fiscal Year (FY) 2019 budget period is contingent upon the enactment of applicable appropriation bill(s). Funding in the amount of $190,169 in Financial Assistance (FA) is awarded on this NOA. The remainder of the budget period Approved Funding amount is subject to the availability of funds.

Note: Refer to the Payment Information section for draw down and Payment Management System (PMS) subaccount information.

Financial Assistance Mechanism: Cooperative Agreement

Substantial Involvement by CDC: This is a cooperative agreement and CDC will have substantial programmatic involvement after the award is made. Substantial involvement is in addition to all post-award monitoring, technical assistance, and performance reviews undertaken in the normal course of stewardship of federal funds.

CDC program staff will assist, coordinate, or participate in carrying out effort under the award, and recipients agree to the responsibilities therein, as detailed in the NOFO.

- Developing work plans and conducting monthly conference calls;
- Reviewing site-specific documents; environmental health assessment reports; community involvement, health education and promotion plans and materials for technical/scientific accuracy, comprehensiveness, clarity and adherence to ATSDR policy;
- Providing technical and programmatic guidance;
- Connecting partners with subject matter experts at ATSDR headquarters as needed;
- Providing support and coordination for recipients, especially for sites with strong community interest, or where liaison with EPA is specifically needed;
- Assuring the planning, implementation, and program improvement of all public health actions for each site;
- Working with the recipients to improve their abilities to assess and respond to environmental public health issues through the application of current science and sound public practices.
Key Personnel: In addition to the Principal Investigator/Project Director identified in this Notice of Award, the application and work plan included individuals considered key personnel. In accordance with 45 CFR Part 75.308, the recipient must request prior approval from CDC to change the following individual/position:

Tonya Loucks (Director, Division of Administration) – Authorized Official

Objective/Technical Review Statement Response Requirement: The review comments on the strengths and weaknesses of the proposal are provided as part of this award. A response to the Technical Review is not required.

Budget Revision Requirement: For staff positions listed as ‘vacant’ under the budget category of Personnel, the recipient must submit a revised budget providing the names of the individual(s) hired and date of hire once a selection has been made. In the event the staff positions to be hired will cause a reduction in the Personnel budget due to the date of hire, please reduce the Personnel budget accordingly upon the re-submission of the budget. Failure to submit the required information in a timely manner may adversely affect the future funding of this project. If the information cannot be provided, you are required to contact the GMS/GMO identified in the CDC Staff Contacts section of this notice.

Program Income: Any program income generated under this grant or cooperative agreement will be used in accordance with the Addition alternative.

Addition alternative: Under this alternative, program income is added to the funds committed to the project/program and is used to further eligible project/program objectives.

Note: The disposition of program income must have written prior approval from the GMO.

FUNDING RESTRICTIONS AND LIMITATIONS

Indirect Costs:

Indirect costs are approved based on the negotiated indirect cost rate agreement dated March 07, 2017, which calculates indirect costs as follows, a Provisional is approved at a rate of 21.40% of the base, which includes, direct salaries and wages including all fringe benefits. The effective dates of this indirect cost rate are from July 1, 2018 to June 30, 2020.

Although Missouri Department of Health & Senior Services has a negotiated indirect cost rate of 21.40% percent, a lower rate of 21.30% percent is requested. The reduced indirect cost rate is approved, with a base of direct salaries and wages including all fringe benefits.

PAYMENT INFORMATION

The HHS Office of the Inspector General (OIG) maintains a toll-free number (1-800-HHS-TIPS [1-800-447-8477]) for receiving information concerning fraud, waste, or abuse under grants and cooperative agreements. Information also may be submitted by e-mail to hhstips@oig.hhs.gov or by mail to Office of the Inspector General, Department of Health and Human Services, Attn: HOTLINE, 330 Independence Ave., SW, Washington DC 20201. Such reports are treated as sensitive material and submitters may decline to give their names if they choose to remain anonymous.
Payment Management System Subaccount: Funds awarded in support of approved activities have been obligated in a the established subaccount in the PMS, herein identified as the “P Account”. Funds must be used in support of approved activities in the NOFO and the approved application. All award funds must be tracked and reported separately.

The grant document number identified on the bottom of Page 1 of the Notice of Award must be known in order to draw down funds.

<table>
<thead>
<tr>
<th>CDC Staff Contacts</th>
</tr>
</thead>
</table>

**Grants Management Specialist:** The GMS is the federal staff member responsible for the day-to-day management of grants and cooperative agreements. The GMS is the primary contact of recipients for business and administrative matters pertinent to grant awards.

**GMS Contact:**
*Jenise A. Yawn, Grants Management Specialist*
Centers for Disease Control and Prevention
OD, Environmental, Occupational Health and Injury Prevention Services Branch
Telephone: 770.488.2720
Email: koy5@cdc.gov

**Program/Project Officer:** The PO is the federal official responsible for monitoring the programmatic, scientific, and/or technical aspects of grants and cooperative agreements, as well as contributing to the effort of the award under cooperative agreements.

**Programmatic Contact:**
*Trent D. LeCoultre, Project Officer*
Centers for Disease Control and Prevention
ATSDR, Division of Community Health Investigations
Telephone: 770.488.3799
Email: tll7@cdc.gov

**Grants Management Officer:** The GMO is the federal official responsible for the business and other non-programmatic aspects of grant awards. The GMO is the only official authorized to obligate federal funds and is responsible for signing the NOA, including revisions to the NOA that change the terms and conditions. The GMO serves as the counterpart to the business officer of the recipient organization. GMO contact information is located on Page 1 of this NOA.

**GMO Contact:**
*Ralph Robinson, Grants Management Officer*
OD, Environmental, Occupational Health and Injury Prevention Services Branch
Telephone: 770.488.2441
Email: inp2@cdc.gov
Agency for Toxic Disease Registry
Division of Community Health Investigation/OD

Technical Review

Awardee’s Name: MO Department of Health and Senior Services

Grantee #: NU61TS000273

Budget Year: April 1, 2019 – March 31, 2020

FOA #: TS17-170103CONT19

Title: APPLETREE

Requested Amount: $380,338

Recommended Award Amount: $380,338

Actual Unobligated Funds: $________________________

Estimated Unobligated Funds: $________________________

1. Response to Technical Review (check one):

_____ The awardee must submit a response to the weaknesses(s) and recommendations identified in the technical review within 30 days from receipt date of the notice of award. (Note: The awardee’s response should be reflective only of the weaknesses identified therefore, resubmission of the entire application is not required.)

_____ No response to Technical Review is required.

2. Budget and Work-plan (check one):

_____ Revised Budget and Work-plan are needed due to a reduction in proposed budget, which affects the proposed activities/work-plan. (Attach budget mark-up and justification to be used by GMS to request revised budget and work-plan.)

Revised budget and work-plan are required due to – (provide reason(s)):


_____ Revised budget and work-plan are NOT required.

3. Performance (check one):

_____ The project officer certifies performance is satisfactory to date and continued funding is recommended.

_____ The project officer certifies performance is not fully satisfactory to date and weaknesses and recommendations should be addressed, continued funding should be restricted until attached recommendations are met.

_____ The project officer has determined performance to date has been less than satisfactory and continued funding is denied. The project officer’s determination is based on below factual data as published in the announcement.

Project Officer’s Name:
Laura H. Frazier

(Print Name)

Project Officer’s Signature (mandatory): ___________________________ Date: 1/31/2019
A thorough review of the interim progress report has been performed. The review considered the evaluation criteria published in the funding opportunity announcement. Based on the review, the followings were identified:

**A. Progress report:**

**Summary of Major Strengths:**

They completed the public comment version (which was released on Sept 21, 2018) for the Bridgeton Sanitary Landfill HC. MDHSS completed 40 technical assistance (TA) forms to document activities on site-related and non-site-specific issues. Approximately 15,015 community members receiving educational information during non-site events/projects.

MDHSS continues to collaborate on the historical lead mining sites in Missouri that are included on EPA’s NPL. MDHSS continues to serve on the Big River task force on remediation and restoration of the Big River Watershed. MDHSS continues to support MDNR in their investigation of TCE contamination at the Camdenton TCE sites, including investigation of groundwater and soil contamination and vapor intrusion at the sites.

They’ve an Evaluation and Performance Measurement Plan to measure the effectiveness of site-related health assessment activities, health education activities, and activities promoting the safe siting of early care and education (ECE) centers.

They submitted several success stories: *Development of a Private Drinking Water Webpage, Camdenton TCE Sites, Potential Misapplication of ZP Tracking Powder in a Private Residence and Royal Liquors (Kansas City) Environmental Emergency Response*. The ZP Tracking Powder story had no date and I believe was submitted before.

They engage their partners including communities through public meetings, verbal and written personal communication, and public availability sessions.

**Summary of Major Weaknesses:**

I would like to see more completed HCs and certified documents.

**Other Relevant Comments:**

None.

**B. New Budget Period Proposal Objectives:**

**Summary of the Project:**

MDHSS is going to measure the effectiveness of site-related health assessment activities, health education activities, and activities promoting the safe siting of ECE centers. They plan to maintain and improve public health for Missourians by protecting citizens from exposure to hazardous environmental substances and related conditions. Their objectives are:
• Decrease the risks to human health and the environment posed by hazardous waste sites.
• Increase community awareness and understanding of hazardous substance exposures.
• Increase the number of recommendations implemented by communities and agencies.

Summary of Major Strengths:

They've included a work plan with activities and timelines to accomplish their goals including 5 certified HCs and one certified PHA, four non-certified HCs, and 28 TAs.

Work plan includes high priority hazardous waste sites such as Bridgeton Sanitary Landfill HC. Their team has the expertise to support the goals and objectives of the program. They will continue to expand their relationships with local health departments, state and federal agencies, community groups, and others.

Summary of Major Weaknesses:

May need to work closely with ATSDR to complete certified documents.

Recommendations:

I recommend funding for the requested amount.

Other Relevant Comments:

N/A