

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 10
2. AMENDMENT/MODIFICATION NO. 000004	3. EFFECTIVE DATE 11/16/2016	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY EMCBC U.S. Department of Energy EM Consolidated Business Center 250 E. 5th Street, Suite 500 Cincinnati OH 45202	CODE 03001	7. ADMINISTERED BY (If other than Item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x) 9A. AMENDMENT OF SOLICITATION NO. DE-SOL-0008109	
		x 9B. DATED (SEE ITEM 11) 09/21/2016	
		10A. MODIFICATION OF CONTRACT/ORDER NO.	
		10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE		

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended.  is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

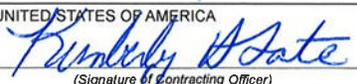
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor  is not.  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

See continuation pages for changes.

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Kimberly A. Tate
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 11/16/2016

The purpose of this amendment is to revise the following:

**SECTION C, PERFORMANCE WORK STATEMENT is revised within C.3.7.2, Information Technology and Cyber Security to complete the table under “IT System Inter-connectivity.”**

**SECTION M, EVALUATION FACTORS FOR AWARD to delete conflicting language within M.6.**

Changes are **bolded** and underlined when inserted and deletions are shown as ~~strikeout~~ when an entire deletion or replacement is not identified.

**1. SECTION C – PERFORMANCE WORK STATEMENT**

Within C.3.7.2 Information Technology and Cyber Security, at IT System Inter-connectivity, the table is revised and replaced in its entirety as follows:

	System Name	Owner	Access (Client-server, web, etc.)	Platform (Oracle, MS, SQL, etc.)	Purpose or Use
<b>1.</b>	<b><u>ArcGIS Desktop Geographic Information System (GIS)</u></b>	<b><u>Environmental Systems Research Institute (ESRI)</u></b>	<b><u>Client-Server</u></b>	<b><u>GIS</u></b>	<b><u>Industry standard GIS software. Used for environmental/geographical data analysis, mapping and modeling.</u></b>
<b>2.</b>	<b><u>Earthvision</u></b>	<b><u>Dynamic Graphics</u></b>	<b><u>Client-Server</u></b>	<b><u>GIS</u></b>	<b><u>3D geologic/subsurface modelling software.</u></b>
<b>3.</b>	<b><u>MKS Toolkit</u></b>	<b><u>Martis Kurn Systems</u></b>	<b><u>Desktop</u></b>	<b><u>Unix Shell</u></b>	<b><u>Provides UNIX functionality to the Windows OS. Earthvision needs the MKS Toolkit in order to function.</u></b>
<b>4.</b>	<b><u>Hummingbird Exceed</u></b>	<b><u>Martis Kurn Systems</u></b>	<b><u>Desktop</u></b>	<b><u>X Windows System</u></b>	<b><u>Allows Earthvision to access an X windows server. Some modules of Earthvision require the Motif Unix windows manager.</u></b>
<b>5.</b>	<b><u>Grid Convert</u></b>	<b><u>Freeware open software</u></b>	<b><u>Desktop</u></b>	<b><u>GIS</u></b>	<b><u>Converts raster elevation grid data generated in Golden Software’s Surfer to ESRI Grid format. Essentially this is simply translational software.</u></b>
<b>6.</b>	<b><u>CDF Player</u></b>	<b><u>Wolfram Research</u></b>	<b><u>Freeware</u></b>	<b><u>GIS</u></b>	<b><u>A viewer for NetCDF files.</u></b>
<b>7.</b>	<b><u>ArcPad Studio</u></b>	<b><u>Environmental Systems Research Institute (ESRI)</u></b>	<b><u>Desktop</u></b>	<b><u>GIS</u></b>	<b><u>GPS software for the Trimble GPS units. Serves as an interface for GPS/GIS data.</u></b>
<b>8.</b>	<b><u>Font Viewer</u></b>	<b><u>Freeware open software</u></b>	<b><u>Desktop</u></b>	<b><u>GIS</u></b>	<b><u>A viewer for looking at system fonts. Useful when designing maps and deciding on what fonts to select.</u></b>
<b>9.</b>	<b><u>Opera</u></b>	<b><u>Freeware open</u></b>	<b><u>Web</u></b>	<b><u>GIS</u></b>	<b><u>--</u></b>

	<b>System Name</b>	<b>Owner</b>	<b>Access (Client-server, web, etc.)</b>	<b>Platform (Oracle, MS, SQL, etc.)</b>	<b>Purpose or Use</b>
		<u>software</u>	<u>browser</u>		
10.	<u>NT Lite</u>	<u>Freeware open software</u>	<u>Desktop</u>	<u>GIS</u>	<u>Packs and unpacks .iso images</u>
11.	<u>CorpsCon6</u>	<u>Freeware open software</u>	<u>Desktop</u>	<u>GIS</u>	<u>Land surveying coordinate conversion utility.</u>
12.	<u>PathFinder Office</u>	<u>Trimble</u>	<u>Client-Server</u>	<u>GIS</u>	<u>Differentially corrects GPS data obtained in the field.</u>
13.	<u>Fugro Viewer</u>	<u>Freeware open software</u>	<u>Desktop</u>	<u>GIS</u>	<u>A viewer for inspecting LiDAR data.</u>
14.	<u>7Zip</u>	<u>Microsoft WinZip</u>	<u>Desktop</u>	<u>GIS</u>	<u>An alternative file zip utility</u>
15.	<u>ArcHydro</u>	<u>Environmental Systems Research Institute (ESRI)</u>	<u>Client-Server</u>	<u>GIS</u>	<u>Add-in for ArcGIS that is used to analyze GIS data for hydrological purposes -- Stormwater program</u>
16.	<u>Geomorphic Change Detection</u>	<u>LANL EES Program</u>	<u>Client-Server</u>	<u>GIS</u>	<u>Add-in to analyze LIDAR data.</u>
17.	<u>Environmental Information Management System (EIMS) / IntellusNM</u>	<u>LOCUS Technologies, Inc.</u>	<u>Software as a Service (SaaS), hosted via Web Browser, unified cloud-based.</u>	<u>MS SQL with a 'user-friendly' interface</u>	<u>--</u>
18.	<u>AWD SOLIDS - Automatic Waste Determination (for Solids)</u>	<u>LANS</u>	<u>Integrated into EIMS</u>	<u>MS SQL</u>	<u>Previously used and still available.</u>
19.	<u>NOI - Notice of Intent for Land Disposal of Water</u>	<u>LANS</u>	<u>Integrated into EIMS</u>	<u>MS SQL</u>	<u>Previously used and still available</u>
20.	<u>AWD LIQUIDS - Automatic Waste Determination (For Liquids)</u>	<u>LANS</u>	<u>Integrated into EIMS</u>	<u>MS SQL</u>	<u>Previously used and still available</u>
21.	<u>Integrated Review Tool (IRT)</u>	<u>LANS</u>	<u>Web-based application</u>	<u>--</u>	<u>--</u>
22.	<u>Project Requirements Identification (PRID)</u>	<u>LANS</u>	<u>Web-based application</u>	<u>GIS backed</u>	<u>--</u>
23.	<u>Excavation Identification System (ExID)</u>	<u>LANS</u>	<u>Web-based application</u>	<u>GIS backed</u>	<u>--</u>
24.	<u>Environmental Management System (EMS)</u>	<u>LANS</u>	<u>Web-based application</u>	<u>Oracle</u>	<u>--</u>
25.	<u>Waste Compliance Action Tracking System (WCATS)</u>	<u>LANS</u>	<u>Web-based application</u>	<u>Oracle</u>	<u>--</u>
26.	<u>Los Alamos Material Control and Accountability System (LAMCAS)</u>	<u>LANS</u>	<u>Web-based application</u>	<u>Oracle</u>	<u>--</u>

	<b>System Name</b>	<b>Owner</b>	<b>Access (Client-server, web, etc.)</b>	<b>Platform (Oracle, MS, SQL, etc.)</b>	<b>Purpose or Use</b>
<b>27.</b>	<b><u>Correspondence and Communications Tracking System (CCATS) - Deliverables Tracking Database</u></b>	<b><u>LANS NIE Server</u></b>	<b><u>Client-Server</u></b>	<b><u>Linked to SharePoint, Microsoft Project Database.</u></b>	
<b>28.</b>	<b><u>DOCCAT (Document Catalog)</u></b>	<b><u>LANS</u></b>	<b><u>Web application</u></b>	<b><u>Incorporated into SharePoint.</u></b>	<b><u>==</u></b>
<b>29.</b>	<b><u>Hydrogeologic Data Repository</u></b>	<b><u>LANS</u></b>	<b><u>Part of LOCUS Technologies EIMS - Web</u></b>	<b><u>MS SQL with a 'user-friendly' interface</u></b>	<b><u>==</u></b>
<b>30.</b>	<b><u>Electronic Public Reading Room (EPRR)</u></b>	<b><u>LANS</u></b>	<b><u>Web-based application</u></b>	<b><u>Java</u></b>	<b><u>It uses java, css, javascript, xslt for searching/presentation. The search engine is solr. The data is stored in the Library's repository (aDORe).</u></b>
<b>31.</b>	<b><u>Facility Information Management System (FIMS)</u></b>	<b><u>DOE</u></b>	<b><u>Web-based application</u></b>	<b><u>Oracle 11G client software; MS ACCESS custom development</u></b>	<b><u>Nation-wide system</u></b>
<b>32.</b>	<b><u>Chem Database</u></b>	<b><u>LANS</u></b>	<b><u>Web-based</u></b>	<b><u>ACCESS database</u></b>	<b><u>==</u></b>
<b>33.</b>	<b><u>Training Database, UTrain</u></b>	<b><u>LANS</u></b>	<b><u>Web-based</u></b>	<b><u>==</u></b>	<b><u>==</u></b>
<b>34.</b>	<b><u>Radiation Protection IT System</u></b>	<b><u>LANS</u></b>	<b><u>Client-Server</u></b>	<b><u>ACCESS database</u></b>	<b><u>==</u></b>
<b>35.</b>	<b><u>Potential Release Sites (PRS) database</u></b>	<b><u>LANS Resides on DATASRV2</u></b>	<b><u>ACCESS front end for data entry and maintenance. Webbased reporting. Linked to SharePoint for documents.</u></b>	<b><u>MS SQL data platform.</u></b>	<b><u>==</u></b>
<b>36.</b>	<b><u>RESSLIB - Lotus Domino Records Management and Document Control System</u></b>	<b><u>LANS</u></b>	<b><u>COTS application</u></b>	<b><u>migrated to Documentum</u></b>	<b><u>==</u></b>
<b>37.</b>	<b><u>Base Flows 05.xls; GFI Water Level Master 15.xls; PMR Water Levels 109.xls;</u></b>	<b><u>LANS</u></b>	<b><u>Desktop</u></b>	<b><u>Excel spreadsheet with VBA macros. Imports data</u></b>	<b><u>==</u></b>

	System Name	Owner	Access (Client-server, web, etc.)	Platform (Oracle, MS, SQL, etc.)	Purpose or Use
	<u>PMR Time Plots 23.xls; PMR PreGas with Tables 70.xlsm</u>			<u>from ACCESS.</u>	
38.	<u>Land App Queries</u>	<u>LANS</u>	<u>Client-Server</u>	<u>ACCESS database.</u>	<u>--</u>
39.	<u>Storm Water Tracking System/Erosion Reporting Application (SWTS)</u>	<u>LANS</u>	<u>Client-Server</u>	<u>MS SQL</u>	<u>Integrated into EIMS</u>
40.	<u>Multi-Sector General Permit Discharge Monitoring report application</u>	<u>LANS</u>	<u>Client-Server</u>	<u>MS SQL</u>	<u>Integrated into EIMS</u>
41.	<u>Individual Permit Discharge Monitoring Report</u>	<u>LANS</u>	<u>Client-Server</u>	<u>MS SQL</u>	<u>Integrated into EIMS</u>
42.	<u>Maintenance Connection (MainConn)</u>	<u>Maintenance Connection</u>	<u>COTS Cloud hosted application. Standalone. COTS Mobile Application for MainConn for cloud access from iPad</u>	<u>Maintenance Connection (MC) database, Version 7.0. and iPad IOS software.</u>	<u>Used to manage, assign, and track work for BMPs and Storm water sampling equipment. Maintenance Connection uses a hierarchical structure to identify each Permitted Feature as a child of a rain gage, each SMA as a child of Permitted Feature, and each Station, Site, and BMP as a child of an SMA. Classifications can be used to define the general characteristics of any assigned assets.</u>  <u>Program also collects data in field for inspections of BMP control measures, sampling, and general inspections.</u>
43.	<u>Hydstra (to manage discharge and precipitation data)</u>	<u>Kisters</u>	<u>COTS application Client Server</u>	<u>MS SQL</u>	<u>Surface water data management software. Archives stage data as discharge. Feet height to cubic feet per second. Manages precipitation data, Depth of precip every 5 mins. (also has capability to store information from sewer programs).</u>
44.	<u>Xconnect (to manage stormwater radio telemetry from dataloggers)</u>	<u>Sutron</u>	<u>COTS application, resides in Hydstra</u>	<u>ACCESS database interface; currently being</u>	<u>Used to manage discharge and precipitation radio telemetry data (i.e., raw data), remotely program Sutron dataloggers, and</u>

	System Name	Owner	Access (Client-server, web, etc.)	Platform (Oracle, MS, SQL, etc.)	Purpose or Use
				<u>reprogrammed to MS SQL.</u>	<u>manage the telemetry system. Stormwater program. Located on "Ground Control" server.</u>
45.	<u>Perl (to analyze and plot data)</u>	<u>Freeware open software</u>	<u>Client-Server</u>	<u>Free standing software</u>	<u>Computing software</u>
46.	<u>Python (to analyze and plot data)</u>	<u>Freeware open software</u>	<u>Client-Server</u>	<u>Free standing software</u>	<u>Computing software</u>
47.	<u>Julia (to analyze and plot data)</u>	<u>Freeware open software</u>	<u>Client-Server</u>	<u>Free standing software</u>	<u>Technical computing software</u>
48.	<u>Mathematica (to analyze and plot data)</u>	<u>Wolfram</u>	<u>Client-Server</u>	<u>Free standing software</u>	<u>Mathematical software</u>
49.	<u>R (to analyze and plot data)</u>	<u>Freeware open software</u>	<u>Client-Server</u>	<u>Free standing software</u>	<u>Statistical software</u>
50.	<u>Matlab (to analyze and plot data)</u>	<u>Matlab</u>	<u>COTS application</u>	<u>Free standing software</u>	<u>Mathematical software</u>
51.	<u>Stanislaw Marczk's Excel/Visual Basic Spreadsheets</u>	<u>LANL EM Program</u>	<u>Desktop</u>	<u>Excel spreadsheet with VBA macros.</u>	<u>Used to screen water and sediment data against standards for the Annual Surveillance Environmental Report (ASER) used for the Stormwater program.</u>
52.	<u>TR-55</u>	<u>USDA</u>	<u>Desktop</u>	<u>Spreadsheet model</u>	<u>A spreadsheet model used to develop rainfall/runoff relationships for the Stormwater program.</u>
53.	<u>HEC-HMS (Hydrogeologic Modeling System)</u>	<u>USACOE</u>	<u>Desktop</u>	<u>Free standing software</u>	<u>Simulate the complete hydrologic processes of watersheds for the Stormwater program.</u>
54.	<u>HEC-RAS (River Analysis System)</u>	<u>USACOE</u>	<u>Desktop</u>	<u>Free standing software</u>	<u>Perform one-dimensional steady-flow, one and two-dimensional unsteady flow calculations, and sediment transport calculations for the Stormwater program.</u>
55.	<u>Paul Mark's Armchair Inspector Program automated software</u>	<u>LANL EM Program</u>	<u>Desktop</u>	<u>ACCESS database; currently being reprogrammed to MS SQL.</u>	<u>Automated software used to determine if gaging stations sampled and to review the health of the gaging stations.</u>
56.	<u>Greg Erpenbeck's Storm Water Tracking Systemn (SWTS) Scripts in Perl</u>	<u>LANL EM Program</u>	<u>Desktop</u>	<u>MS SQL</u>	<u>Automated software used to determine if gaging stations sampled and to review the health of the gaging stations.</u>
57.	<u>Orval Hart's EIM</u>	<u>LANL EM</u>	<u>Desktop</u>	<u>Oracle;</u>	<u>Used to pull precipitation</u>

	<b>System Name</b>	<b>Owner</b>	<b>Access (Client-server, web, etc.)</b>	<b>Platform (Oracle, MS, SQL, etc.)</b>	<b>Purpose or Use</b>
	<u>Storm Water Tracking System Scripts</u>	<u>Program</u>		<u>currently being reprogrammed to MS SQL.</u>	<u>data from the Weather Machine and XConnect and determine if there were any permit-driven precipitation threshold exceedances.</u>
<b>58.</b>	<u>Orval Hart's Waternet Webpage on the LANL Environmental Webpage</u>	<u>LANL EM Program</u>	<u>Web-based page HTML</u>	<u>Visual Studio</u>	<u>Used by Buckman Direct Diversion (BDD) control room to examine the photos of gaging stations E050.1, E060.1, and stand-alone camera location E062 (downstream of E050.1 and E060.1) for flow confirmation; used by San Ildefonso to examine discharge data from gaging station E099 (required because this data is being transmitted real-time via radio telemetry to BDD); used internally to examine data from discharge data from gaging stations E050.1 and E060.1.</u>
<b>59.</b>	<u>Xiaoguang Yang's RTU (Remote Telemetry Unit) GUI website</u>	<u>LANL EM Program</u>	<u>Web-based page</u>	<u>Visual Studio and GoogleEarth Interface</u>	<u>GIS-based communications website that shows real-time data from SMA sites.</u>
<b>60.</b>	<u>Mike Proicou's RTU Firmware</u>	<u>LANL EM Program</u>	<u>on RTUs, copies on desktops</u>	<u>"C" and Assembly languages</u>	<u>Allows RTUs to interface between the ISCO and the mesh network.</u>
<b>61.</b>	<u>Vinod Kulathumani's RTU Firmware</u>	<u>LANL EM Program</u>	<u>on RTUs, copies on desktops</u>	<u>"C" and Assembly languages</u>	<u>Allows RTUs to interface between the ISCO and the mesh network.</u>
<b>62.</b>	<u>Mike Proicou's ISCO monitoring service</u>	<u>LANL ISR Program</u>	<u>Server based</u>	<u>C Sharp and Visual Studio</u>	<u>Program connects RTU information to Xiaoguang Yang's RTU GUI website</u>
<b>63.</b>	<u>SigmaPlot</u>	<u>Systat</u>	<u>Desktop</u>	<u>Excel background</u>	<u>Statistical software</u>
<b>64.</b>	<u>Surfer 8</u>	<u>Scientific Software Group</u>	<u>Desktop</u>	<u>GS Scripser - a Visual Basic-compatible programming environment</u>	<u>3-D mapping. Plots diagrams, maps, contours and images used in Stormwater and Groundwater Programs.</u>
<b>65.</b>	<u>AutoCAD</u>	<u>AutoDesk</u>	<u>Client-Server</u>	<u>Free standing software</u>	<u>Open CAD files and see surveys. Draw and measure dimensional scales, piles, blocks, berms, and splash pads.</u>
<b>66.</b>	<u>Civil3D</u>	<u>Autodesk</u>	<u>Client-Server</u>	<u>Free standing software</u>	
<b>67.</b>	<u>Alp 19.2</u>	<u>Oasys</u>	<u>Client-Server</u>	<u>Free standing software</u>	<u>Predicts pressure, horizontal movements, and shear forces</u>

	System Name	Owner	Access (Client-server, web, etc.)	Platform (Oracle, MS, SQL, etc.)	Purpose or Use
					<u>on piles.</u>
<b>68.</b>	<b><u>HY-8</u></b>	<b><u>Federal Hwy Admin (free)</u></b>	<b><u>Desktop</u></b>	<b><u>Free standing software</u></b>	<b><u>Culvert Analyses program. Analyses hydraulic situation and culvert shapes.</u></b>
<b>69.</b>	<b><u>Visual Slope V6</u></b>	<b><u>Visual Slope</u></b>	<b><u>Server based</u></b>	<b><u>Free standing software</u></b>	<b><u>Slope Stability program. Analyses of slope failures.</u></b>
<b>70.</b>	<b><u>Win-Situ</u></b>	<b><u>In-Situ Inc.</u></b>	<b><u>Server based COTS</u></b>	<b><u>Free standing software</u></b>	<b><u>Groundwater elevation. Used to communicate with pressure transducers. Able to download and view pressure transducer data. The transducers also measure volume in the GW storage tanks.</u></b>
<b>71.</b>	<b><u>Well CAD 5.1.1403</u></b>	<b><u>Advance Logic Technology (ALT)</u></b>	<b><u>Server based COTS</u></b>	<b><u>Free standing software</u></b>	<b><u>Process and display borehole geophysical logs. The tools measure natural gamma and electrical conductivity for geological formations. Converts borehole geophysical logs to LAS format.</u></b>
<b>72.</b>	<b><u>Matrix</u></b>	<b><u>Mount Sopries</u></b>	<b><u>Client-Server</u></b>	<b><u>Free standing software</u></b>	<b><u>Software for communicating with the tool. Drives the borehole tools to the correct depth and rate.</u></b>
<b>73.</b>	<b><u>Multi meters</u></b>	<b><u>YSI</u></b>	<b><u>Equipment based</u></b>	<b><u>Free standing software</u></b>	<b><u>Use for groundwater field measurements. Measures pH, conductivity, dissolved oxygen, and temperature.</u></b>
<b>74.</b>	<b><u>ECO Risk Database</u></b>	<b><u>ECO Risk</u></b>	<b><u>Client-Server</u></b>	<b><u>ACCESS database.</u></b>	<b><u>Ecological screening levels and documentation for informational purposes.</u></b>
<b>75.</b>	<b><u>PMR exceedances v25</u></b>	<b><u>LANS</u></b>	<b><u>Client-Server</u></b>	<b><u>Excel spreadsheet with VBA macros.</u></b>	<b><u>Program uses a data export from PMR Report in EIMS to screen data to groundwater and surfacewater standards; Provides various Consent Order report formats.</u></b>
<b>76.</b>	<b><u>Settlement Report</u></b>	<b><u>LANS</u></b>	<b><u>Client-Server</u></b>	<b><u>Excel spreadsheet with VBA macros.</u></b>	<b><u>Program uses a data report export from the Groundwater Settlement Reporting Tool in EIMS and formats it for monthly data review and reporting.</u></b>
<b>77.</b>	<b><u>All Analyses, Rejected, QC</u></b>	<b><u>LANS</u></b>	<b><u>Client-Server</u></b>	<b><u>Excel spreadsheet with VBA macros.</u></b>	<b><u>Program uses a data feed from EIMS for purposes of providing a quick turn formatted data set for project-internal use; separates data (All Analysis, Rejected, QC)</u></b>

	<b>System Name</b>	<b>Owner</b>	<b>Access (Client-server, web, etc.)</b>	<b>Platform (Oracle, MS, SQL, etc.)</b>	<b>Purpose or Use</b>
78.	<u>html tag producer v04</u>	<u>LANS</u>	<u>Client-Server</u>	<u>Macro for Excel developed by Stas Marczak.</u>	<u>This macro generates analyte concentration labels to be used on environmental sampling maps.</u>
79.	<u>eRedBook 3.1.011</u>	<u>Halliburton</u>	<u>Client-Server</u>	<u>Free standing software</u>	<u>well borehole volume calculations</u>
80.	<u>POREGAS</u>	-	<u>Client-Server</u>	<u>Macro</u>	<u>--</u>
81.	<u>TA16RDX</u>	<u>LANS EES Program</u>	<u>Client-Server</u>	<u>Windows</u>	<u>Plots Data</u>
82.	<u>FEHM (Finite Element Heat Model)</u>	<u>LANS EES Program</u>	<u>Client-Server</u>	<u>Unix, Linix (Ubuntu, Redhat), Microsoft Windows, Apple OS X</u>	<u>Groundwater flow, gas phase flow, and contaminant transport modeling - high resolution - main workhorse code</u>
83.	<u>MADS</u>	<u>LANS EES Program</u>	<u>Client-Server</u>	<u>Unix, Linix (Ubuntu, Redhat), Microsoft Windows, Apple OS X</u>	<u>Used for decision analysis, uncertainty quantification, and sensitivity analysis.</u>
84.	<u>AMANZI</u>	<u>Internal (LANL plus other Nat. Labs)</u>	<u>Client-Server</u>	<u>Unix, Linix (Ubuntu, Redhat), Microsoft Windows, Apple OS X</u>	<u>Groundwater flow and contaminant transport modeling. This is a high-resolution model.</u>
85.	<u>PFLOTRAN</u>	<u>LANS EES Program</u>	<u>Client-Server</u>	<u>Unix, Linix (Ubuntu, Redhat), Microsoft Windows, Apple OS X</u>	<u>Groundwater flow and contaminant transport modeling. This is a high-resolution model.</u>
86.	<u>LaGrit</u>	<u>LANS EES Program</u>	<u>Client-Server</u>	<u>Unix, Linix (Ubuntu, Redhat), Microsoft Windows, Apple OS X</u>	<u>Numerical mesh generation for groundwater models.</u>
87.	<u>PHREEQC (pH-REdox-EQuilibrium)</u>	<u>USGS</u>	<u>Desktop COTS</u>	<u>Unix, Linix (Ubuntu, Redhat), Microsoft Windows, Apple OS X</u>	<u>Geochemical modeling</u>
88.	<u>RESRAD (RESidual RADioactive materials)</u>	<u>Argonne National Lab</u>	<u>Desktop COTS</u>	<u>Windows</u>	<u>Environmental radiological dose assessment</u>
89.	<u>ProUCL (Upper Confidence Limits)</u>	<u>USEPA</u>	<u>Desktop COTS</u>	<u>Windows</u>	<u>Statistical software for environmental data sets</u>

**2. SECTION M – EVALUATION FACTORS FOR AWARD**

**M.6 EVALUATION FACTOR – COST AND FEE**

Within M.6, the paragraph is revised to read, “DOE will compare the total evaluated price (~~exclusive of the IDIQ maximum value~~) to both the total anticipated contract funding and the anticipated funding by Government Fiscal Year. Because the funding is subject to change based on actual appropriation and actual award date of the contract, DOE may make an award to an Offeror whose proposed price (~~exclusive of the IDIQ maximum value~~) differs from the anticipated funding profile provided in Section L. Offerors may propose to carry funds over from one year to the next. However, a total proposed price that significantly exceeds the funding profile as set forth in Section L, either by a contract period or total contract basis, may be considered unacceptable for award.”

**3. ALL OTHER TERMS AND CONDITIONS OF THE RFP REMAIN UNCHANGED.**