	Tasks to Complete	Percent
	-	Complete
730396	Developed CSSA GIS	100%
	Uploaded previously recorded data*	100%
	Translated AutoCAD maps into GIS format	100%
	Incorporated B-20 sample locations into GIS*	100%
	Purchased GIS and database software for CSSA	100%
	Installed software, GIS data, and database onto CSSA workstation	100%
	Designed database structure in accordance with TSSDS	100%
	Built queries	100%
	Developed other reporting forms not included in TSSDS	100%
	Programmed periodic reminders of TNRCC-reporting deadlines into database	100%
	Uploaded chemical analysis data into database *	100%
	Scanned and linked geologic cross-sections, Piper diagrams into GIS	100%
	Developed GIS manual	100%
	Trained CSSA personnel on GIS	100%
732345	Develop aerial map using using a qualified aerial mapping service	100%
102040	Include new aerial map into GIS	100%
		100%
	Translate RL53 maps into GIS format GIS input of Bldg 43 Sampling Information	95%
	GIS input of SWMU B-9 Sampling Information	95% 50%
	GIS input of SWMU B-10 Sampling Information	50%
	GIS input of SWMU B-11 Sampling Information	95%
	GIS input of SWMU I-1 Sampling Information	85%
734521	GIS input of SWMU O-1 Sampling Information	75%
	Create hyperlinked encyclopedia	60%
	Develop VB application to link CSSA database through browser	25%
	Develop SDS to allow access to GIS through browser	0%
	Purchase and provide five copies of ArcView software	100%
736071	Enhance GIS images and database with infrastructure information	5%
	GIS input of SWMU B-4 Sampling Information	75%
	GIS input of SWMU B-15/16 Sampling Information	75%
	GIS input of SWMU B-23 Sampling Information	75%
	GIS input of SWMU B-23A Sampling Information	0%
	GIS input of AOC 47 Sampling Information	75%
	GIS input of AOC 48 Sampling Information	75%
	GIS input of AOC 56 Sampling Information	75%
	GIS input of AOC 58 Sampling Information	75%
	GIS input of AOC 61 Sampling Information	75%
	Enter land use data and derive sensitive receptor point locations	100%
	Develop land use map	100%
	Update NPDES database	25%
	Create air pollution emission database application	10%
	Provide database LAN administration support	50%
	Download Digital Elevation Model and correct from ortho images	100%
	Use DEM to calculate watershed locations	100%
	Update hyperlinked encyclopedia	0%
	Create graphical user interfaces for confined spaces, air permits, & haz waste	0%
736625	Work Plan Updates	100%
	AOCs 37, 41, and 66 Soil Gas Results	70%
	AOCs 35, 42, 43 and SWMU B-9 Geophsyical Surveys	60%
	AOCs 36, 38, 39, and 40 Surface Sampling	75%
	AOCs 35, 39, and 43 Surface Sampling	0%
	AOC 42 Surface/Subsurface Sampling	0%
	AOC 50 Remediation	0%

\* Uploading of ITS-replacement data is being done at no cost to CSSA.

	Budgeted				Expended					
	Labor Cost (w/o fee)		ODCs	Total		Labor Cost (w/o fee)		ODCs		Total
730396	\$ 111,855.00	\$	7,914.40	\$119,769.40	\$	111,855.00	\$	7,914.40	\$	119,769.40
732345	\$ 16,358.00	\$	3,766.00	\$ 20,124.00	\$	16,173.00	\$	4,034.00	\$	20,207.00
734521	\$ 93,697.28	\$	32,210.00	\$125,907.28	\$	72,081.00	\$	26,571.00	\$	98,652.00
736071	\$ 131,029.00	\$	15,387.00	\$146,416.00	\$	45,661.00	\$	2,421.00	\$	48,082.00
736625	\$ 21,700.80	\$	1,025.00	\$ 22,725.80	\$	8,151.13	\$	319.49	\$	8,470.62
Totals:				\$434,942.48					\$	295,181.02

## CSSA GIS TASKS Scope of Work Items AMC Contract

No.	SOW or TIM ID	SOW of TM Item Description	Parsons ES Assumptions or Action Item(s)	Parsons ES Modified or Updated Assumptions			
vernn	nent RFP SO	Ws' and Parsons ES Proposals		a anothe Lo mounted or updated Assumptions	Parsons ES Cost Assumptions	Percent	Commen
	RFP 9/12/96 4.1.					Complete	
		GIS Installation					
- H	4.1.2.1	Facility Map Corrections	Update No.1 9/27/96	Modification 1 2/28/97			
		Incorporate existing digitized base maps				1	i
			Existing digitized base maps will be used. These maps have not been surve to 100 percent accuracy at ground level and is estimated to be between 65 of				
			to 100 percent accuracy at ground level and is estimated to be between 85 a 30%	ed Current digitized maps for CSSA are in AutoCAD format. Maps will be			
			90%.	to juansiated to GIS software, then linked to locations in the COCA data	00		
				Incolories. The percent accuracy is not known but in percent out of the	he		
						100%	~
		Convert coordinates in state plane to UTM coordinates.		projects), the survey data will be incorporated into the GIS and base many will			
		Show location of all evicting surface to U I M coordinates.	Coordinates in state plan will be converted to UTM coordinates	be corrected as needed.			1.
		Show location of all existing surface features, including fencelines, center lines	Part will be convented to UTM coordinates				
		of creeks, buildings, paved and unpaved roads, soil borings, wells, and dense areas of vegetation.				100%	
					1	1	
1.		Provide corrected base map in paper copies and electronic CADD files (CDRLA002)	1		1	100%	
	4.1.2.2						
		Software Purchase, Installation, and Optimization				1000	
1		Purchase GIS and compatible map contouring software.	Estimate assume column if and			100%	1
		-	Estimate assumes software used for GIS will be Access version 7.0 and				1
1		Install and optimize software at CSSA according to needs of the facility as	ArcView version 3.0. ArcView will be purchase as part of this order.				1
		determined by the CSSA POC	The standardized tormat. Trisenaces Sential Data Customs (Toppen)	The appropriate GIS and database software will be purchased for CSSA by		100%	
1			I Development Development	Parsons ES and installed by a GIS Specialist. The software and data will be		1	1
	4.1.2.3		standards requires a rigorous effort using a complex system	optimized in accordance with the specification of the Air Force Quality		1	
	7.1.2.3	Database Development		Assurance Evaluator.	1	100%	
1		Build electronic database that will be linked to GIS to allow retrieval of				1	1
1		another of the second of the s	Access version 7.0 will be furnished by the Air Force.	A database structure will be decired to		1	+
<u> </u>	4.1.2.3.1			A database structure will be designed in accordance with TSSDS to enable		1	+
H		Reporting forms		database retrieval and linking for CSSA's needs. Predefined queries will be built to extract the information desired by CSSA users.	it i	100%	
1 .		Use of the new TNRCC Access-generated discharge reporting forms if		and the second of the second of the second by CSSA users.		1	ł
1		approved	The new TNRCC Access-generated discharge reporting forms will be used if	When surlishin statute is t		1	+
<u> </u>	44000		approved by the TNRCC.	Where available, electronic forms developed by the TNRCC will be used as the		<u> </u>	THRCC
⊢	4.1.2.3.2	<u>Flags</u>				100%	TNRCC approved f
l		Provide automatic flagging functions for periodic reporting requirement		developed in the database, or database compatible software.		100%	1
		reminders		Automotive and all and a			·
				Automatic periodic reminders (Flags) of the TNRCC-reporting deadlines		<u> </u>	No
	4.1.2.3.3	Geologic Cross Sections		(impending and missed) will be programmed into the database.	1	0%	No server during ac
		Link applicate comes senting the start of				070	phase of project. N
			Geologic cross-section In locations and piper diagrams will be linked will be	Chamined and the second s		·	be completed
	i		linked as an "image" because the GIS recognizes data only in plan view, not in	Chemical analysis data in Excel or Lotus format will be uploaded to an Access		ł	
			three-dimensions.	Junitables to be manufacted by the GIS enformer. A metalogical to the	1	[	
	4.1.2.3.4	Electronic Data Loading and Conversion		10100 W Valguage Decision data and soil boring loss to a service of the to		100%	
		Convert all existing CSSA data into CIS format. Data it into		ASCII file that will be imported into the database.			
			Data are only imported into database, therefore, there will be no validation of	A C/C			
	ľ	The data shall consist of Army IRP projects, compliance projects that have been completed.		A GIS will be developed using previously recorded data from seven different			
		completed.	Bill Cooles		1		
	4.3.2.1	Training		B-20, B-3, Oxidation pond, and groundwater investigation).	1	100%	
		Provide training on the use of GIS for CSSA employees. The contractor shall					
			SIS training of CSSA personnel will not exceed five persons and will not exceed days	Training will focus on an overview of how to use a GIS and how to use the GIS			
	16	each end-user to produce environmental property condition maps and perform	days,	A user menory GIS manual which uses CSSA environmental mane and date as	Estimate also includes ArcView training	100%	
		ther operations with the GIS		examples will be developed.			
	F	rovide GIS Training Manual		)	(total of 20 hours ) for project personnel.	100%	
	6.2.2	3	copies of the draft GIS manual (CDRL A004) will be submitted to both CSSA				÷
		N	AFCEE/ERD. 6 copies of the final will be submitted to CSSA and 3 copies				-
			AFCEE/ERD.				TSSDS electronic ma
8						100%	use regarding GLS se
							and maintenance

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## CSSA GIS TASKS Scope of Work Items AMC Contract

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Job No.	SOW or TIM ID	SOW or TIM Item Description	Parsons ES Assumptions or Action Item(s)				·
	RFP 9/12/97 4.1.1			Parsons ES Modified or Updated Assumptions	Parsons ES Cost Assumptions	Percent Complete	Comments
	4.1.1.5	Site Investigations	Update No. 0 9/15/97	Update 1. 9/24/97		Compiete	
ľ	· · · · · · · · · · · · · · · · · · ·	Provide necessary equipment and supplies to perform a function					
		CSSA's GIS	for An aerial map will be developed using a qualified aerial mapping service for				
			inclusion in the GIS for CSSA. The submittal will be an electronic file and a ma				
	4.1.2.1	Electronic Database Update	with roads, fences, buildings, and SWMU boundaries shown,	Ψ		100%	
		Encount Database Opoate					
		Update the electronic database that is linked to the CSSA GIS in order to allo	W Chemical analysis data in Excel or Lotus format will be uploaded to an Access				
		retrieval of the most current information.	database to be manipulated by the GIS software. A program will be written in				All data generated to
2345			GTGS to translate geophysical data and soil boring logs to a comma-delimited				has currently been
L53)			ASCII file that will be imported into the database.				integrated to GIS data
							However, no data deli
						0%	to AFCEE/CSSA due
1							incomplete analytical (
							package review from
- I-	4.1.2.2						AFCEE
	9.1.2.2	Electronic Data Loading and Conversion					
		Convert CSSA data gathered from this effort into the GIS format. A quality	Data are only imported into database, therefore, there will be no validation of				·
		icheck of the data files after conversion to GIS format will be accomplished to	data input. After data incorporation the quality will be checked by comparing	Electronically delivered analytical data are assumed to be valid, therefore only			
686472	with the state of the second		hard copies.	10 percent of the data will be reviewed for quality and completeness before	·	95%	
<b>193</b> 3 (*		cintare usita was emered conecty.					1
	RFP 8/10/98 4.2				AND THE SECOND AND	1945 - 1385 -	
-		Secondary Services	Update No. 1 9/22/98	and a second	<ul> <li>Applying the state of the state</li></ul>	25 1600 00 E E	- And the set of the state of the state of the set of the
	·····	Electronic Data Loading and Conversion	Opane No. 1 \$12236				
		Convert CSSA data gathered from this effort into the GIS formet A quelte					
	4.2.1	icheck of the data files after conversion to GIS format will be accomplianed to	Analytical and other data (groundwater elevations, water quality measurements,			<u> </u>	
		ensure data was entered correctly	etc.) collected under this delivery order will be loaded into ArcView.	1		4000	1
521		Provide additional copies of the GIS with coordinated databases to the Link and				100%	
74)		for use as back-up and information sources for the regulatory agencies,	Five additional copies of the CSSA GIS, including five copies of ArcView		······································		
`'L		CONTRACTOR'S AND AFCEE	software, will be provided to CSSA for use as back-up and information sources				
	4.2.5	Create a professional Web site for CSSA. The web site will act as the primary	for regulatory agencies, other contractors, ad AFCEE.			100%	
	4.2.3	Inepository for the electronic version of the Administration mound	Parsons Es will develop an Internet application for CSSA for integrating GIS			·	
		Provide passwords for access to the Web Site. References within the	data sources, CSSA databases, and reports			0%	Task removed by DO R
		Encyclopedia shall be hyperlinked to their source.	The web site will be secure, password protected site, incorporating a user				
		states and the states and the source,	imencity Graphical User Interface (GLII) The web interface will even at a start				Task removed by DO R
			data queries, digital photos access. CSSA database linkage, report accession			0%	
	A CONTRACTOR		an Environmental Encyclopedia.				1
	RFP 6/07/99			Film of State ( Constant State of State	Caller	A second click of the second	Transfer - S. S. S. Stat. Stat. 1
				n na ser na ser na <b>manazare</b> na s <b>at</b> i debendi ti na sén ser ser ser na ter ser telebre sédélet.	and the second secon		
	4.2.6	GIS Enhancments and Database Updates	Update No. 0 6/11/99	Modification 1. 6/21/99			1
		Enhance CSSA's GIS with infrastructue information including buildings, roads,					
		sewer systems, potable water system, electrical system, and telephone system.	Parsons ES will enhance the current GIS images and GIS database with				
			intrastructure information including buildings made sever systems outplue				COE to provide electron
		Convert CSSA data gathered from sampling efforts conducted during this	water system, electrical system and telephone system			5%	file for incorporation into
	i	delivery order in the GIS format.	Any data gathered from sampling efforts will be input into the GIS database.	Time in this task includes GIS database entry of information generated during			CSSA GIS.
	1				Parsons ES assumes 0.5 hour/sample to		
					check ERPIMS-formatted data from the		
					laboratory, and 0.5 hour/sample to input		
	1				into the GIS. Parsons assumes 192	75%	
	1				additional samples (6 rounds of	/376	
					groundwater, SWMU soil semples,		
		Indete the CODA AUDITED A			imestone core samples) will be collected		
1	f.	Update the CSSA NPDES database and modify it to meet TPDES reporting requirements.	Parsons ES will update the NPDES database and modify it to meet TPDEs		and entered into the GIS.		
	P	opurements. Develop an air pollutant emission application for calculating air pollutant	reporting requirements.				
		STOLE AL AL DOUBTON AMIRSION AND INCIDENTIAL AND				25%	•
	ľ	in the second second application for calculating air pollutant	An air pollution emission application for coloridation at anti-				
		missions and comparing results to permit limite	An air pollution emission application for calculating air pollutant emissions will be developed that compares actual data to allowable partial limits				
<u> </u>		Perform a quality check of the data files after conversion of these files to QUO F	An air pollution emission application for calculating air pollutant emissions will be developed that compares actual data to allowable permit limits. All chances/additions to the data files in the C25 declarace will be write			50%	
		missions and comparing results to permit limits. Perform a quality check of the data files after conversion of these files to GIS file (what he person detunes extended)	developed that compares actual data to allowable permit limits. All changes/additions to the data files in the GLS database will be quality			50%	Task item is onnoine with
	F F	missions and comparing results to permit limits. Perform a quality check of the data files after conversion of these files to GIS file ormat to ensure data was entered correctly.	An air polution emission application for calculating air polution emissions will be developed that compares actual data to allowable permit limits. All changes/additions to the data files in the GIS database will be quality checked to assure accuracy in the data.				
	F F	mussions and comparing results to permit limits. Perform a quality check of the data files after conversion of these files to GIS file ormat to ensure data was entered correctly.	developed that compares actual data to allowable permit limits. All changes/additions to the data files in the GIS database will be quality checked to assure accuracy in the data.			75%	data collection and
	F F	Interstorts and comparing results to permit limits. Perform a quality check of the data files after conversion of these files to GIS file ormat to ensure data was entered correctly. Provide support to CSSA for LAN administration associated with the GIS.	developed that compares actual data to allowable permit limits. All changes/additions to the data files in the GIS database will be quality checked to assure accuracy in the data. Parsons ES will provide database LAN administration support according with		Persons FS assumes anonutratial.	75%	
	F F	Interstorts and comparing results to permit limits. Perform a quality check of the data files after conversion of these files to GIS file ormat to ensure data was entered correctly. Provide support to CSSA for LAN administration associated with the GIS.	developed that compares actual data to allowable permit limits. All changes/additions to the data files in the GIS database will be quality checked to assure accuracy in the data. Parsons ES will provide database LAN administration support associated with the GIS. Assistance with procedures and ministration support associated with		Persons ES assumes approximately 8	75%	data collection and
	F F	ensuints and comparing results to permit limits. Perform a quality check of the data files after conversion of these files to GIS file ormat to ensure data was entered correctly. Provide support to CSSA for LAN administration associated with the GIS.	developed that compares actual data to allowable permit limits. All changes/additions to the data files in the GIS database will be quality checked to assure accuracy in the data. Parsons ES will provide database LAN administration support associated with the GIS. Assistance with procedures and guidelines for LAN and database administration activities with be provide to CSSA.	l l	nours per week for LAN administration for	75%	data collection and
	F F	emissions and comparing results to permit limits. Perform a quality check of the data files after conversion of these files to GIS file ormat to ensure data was entered correctly. Provide support to CSSA for LAN administration associated with the GIS.	developed that compares actual data to allowable permit limits. All changes/additions to the data files in the GIS database will be quality checked to assure accuracy in the data. Parsons ES will provide database LAN administration support associated with the GIS. Assistance with procedures and guidelines for LAN and database administration activities will be provided to CSSA. Support for the initial setup of the LAN system at CSSA will be provided by Barcen ES by mediated by the LAN system at CSSA will be provided by Barcen BS by mediated by Barcen BS by the initial setup of		nours per week for LAN administration for a period of one year, and 26 trips to	75%	data collection and
	F F	emissions and comparing results to permit limits. Perform a quality check of the data files after conversion of these files to GIS file ormat to ensure data was entered correctly. Provide support to CSSA for LAN administration associated with the GIS.	developed that compares actual data to allowable permit limits. All changes/additions to the data files in the GIS database will be quality checked to assure accuracy in the data. Parsons ES will provide database LAN administration support associated with the GIS. Assistance with procedures and guidelines for LAN and database administration activities will be provided to CSSA. Support for the initial setup of the LAN system at CSSA will be provided by Parson ES by spending time at SSA during setup procedures. Thereafter support for the Initial setup of		nours per week for LAN administration for a period of one year, and 28 trips to CSSA will be required. It is assumed that	75%	data collection and
	F F	entersions and comparing results to permit limits. Perform a quality check of the data files after conversion of these files to GIS file ormat to ensure data was entered correcity. Provide support to CSSA for LAN administration associated with the GIS.	developed that compares actual data to allowable permit limits. All changes/additions to the data files in the GIS database will be quality checked to assure accuracy in the data. Parsons ES will provide database LAN administration support associated with the GIS. Assistance with procedures and guidelines for LAN and database administration activities with be provide to CSSA.		nours per week for LAN administration for a period of one year, and 26 trips to	75%	

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## CSSA GIS TASKS Scope of Work Items AMC Contract

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ob No.	SOW or TIM ID	SOW or TIM Item Description	Parsons ES Assumptions or Action Item(s)	Parsons ES Modified or Updated Assumptions		Percent	
	6.2.14	GIS Enhancements and Database Updates			Parsons ES Cost Assumptions	Complete	Comments
		Provide enhancements for the GIS currently in use of CCCA-	Building information (approximately 200 onsite) will include building attributes				
		database in accordance with the requirements in sec. 4.2.6 of this SOW	(date erected, ID number, use), height, and interior and/or exterior		Parsons ES assumes 4 hours per well,		
- 1			measuremente lateries use), neight, and intenor and/or exterior		lithology, well completion information,		COE to provide elect
1			measurements. Interior measurements must be field collected. The following		survey information, and 2 hours per	]	file for incorporation
1			buildings will have only exterior measurements collected and entered into the		shallow boring to be entered into the GIS.	]	CSSA GIS.
1			GIS: 1, 38, 44, 45, 91, 92, 93, 94, 96, 98, 200 and 201. (However, the stack		Shanow boring to be entered into the GIS.		
			Innormation for Building 200 will be collected) Buildings that exercise and		Parsons ES assumes 24 borings and 6	0%	
			equipment, hazardous waste generation air permitted activities about the		wells.		
			activities, and AS (S will have interior measurements collected to east at the other				
			these buildings include Buildings 4, 5, 30, 40, 86, 90, 93 and the paint booth.				
Г			1 1				
			Storm sewer system includes watershed location, culverts, stormwater drains				
			and pipes, and channels. All data will be provided by CSSA, and no field				COE to provide elect
-			Ineasurements will be necessary			0%	file for incorporation
			Potable water system is assumed to include locations and attributes of drinking			•	CSSA GIS.
			water pipes, hydrants, sprinklers, tanks, wells, and pumps. All data will be				COE to provide elect
			provided by CSSA, and no field measurements will be necessary.			0%	
71(R	1		Electrical or distance in the measurements will be necessary.			070	file for incorporation i
			Electrical and telephone system includes power poles, power lines, backup				CSSA GIS.
(3)			generators, and telephone poles and lines. All data will be provided by CCCA				COE to provide elect
			and no near measurements will be necessary			0%	file for incorporation i
			CSSA's GPS unit will be used for all field measurements; however, Parsons ES				CSSA GIS.
			we provide training, information and a format for data collection meanting what				Task provided to CO
			is needed for each of the attributes and the GIS detabase. Domana Co		1		completion
			assumes that a training meeting will be necessary before collecting data for the				
	1		Durungs, storm sewer system, potable water system, and electricate lock				
	1		systems. Parsons ES will create forms for CSSA use in collecting data needed			0%	
	1		for the GIS database. It is assumed that the accuracy of the location data is			•	
1	1		dependent upon the accuracy of the GPS measurements.				
			and a source of the GPS measurements.				
1			CSSA will manually download from the		1		
	1		CSSA will manually draw locations of roads and creeks on zoomed-in maps				
			provided by Parsons ES, and will provide attributes (such as paved, gravel,				COE to provide electr
			The second se			0%	file for incorporation in
			Parsons ES will download Digital Elevation Model (DEM) from LISGS comment				CSSA GIS.
			ine DEM from ontho images, and use it to calculate watershed locations at				
			LSSA.			100%	1
			As per conversation with Brian Murphy and Shavonne Gordon on May 19, 1999,	······································			
	1	ľ	white string later a contract of the string later of the string la				Removal of Web
			would like to develop a VB application for use on the CSSA LAN.				development efforts.
			NPDES database will be updated. Enhancements will include modifications to				
			neet TPDES requirements, as well as to increase ease of use.				··
			ir pollution emission application will be developed for calculating air pollutant			25%	
	1		mission and comparing to permit limits. Parsons ES assumes that material		1		
		l. l.	the at each emission course will be transit. Parsons ES assumes that material				
			se at each emission source will be logged by CSSA. This usage and the				
1			hemical composition of the materials will be used to calculate chemical			50%	
		el e	missions. Parsons also assumes that CSSA has chemical composition				
			iormation for all chemicals being logged.			1	
		P	isual Basic/GIS application will be developed for use on the CSSA LAN.				
	Í	it.	argons assumes that the CSSA I AN will have access to the TECOC database			1	
			nd GIS. The VB/GIS application will have queries developed to CSSA		.		
			ABCRICEUONS.			0%	
			I labeling conventions will agree with the labeling/categorization that is used in		1		
			e Order.				·
			GUI will be created for each of these topics in both the GIS and the		1		
		the second se	meticities electronic excitation and the				· · · · · · · · · · · · · · · · · · ·
	1		perlinked electronic application: confined spaces, air permits and hazardous		l .		
1		(**	asis. Caul of these Guis will lead the user through information annuation		1		
			ese upics. The GUIs for the GIS system will be created using Arc/view and			0%	
1			In the Developing Language				
1		n	e land-use map for the CSM (Task 6) activities will be developed				
1	1		CTONCERY Utilizing the 1:18000 Tobio seciel photographs from March 1 and				
1		111	re large use/land cover classification system used shall be the USCS And				
			issification system. The level of classification shall be level II. The				
1	1		issification attributes will be increased at the			I	
			issification attributes will be incorporated into the GIS database and will			100%	
			AUCE OFTAILED DESCRIPTIONS OF CLASSIFICATION DUMANTANY CARACTERIST			1	
			int locations will be available for use within the GIS for air water human				
		-	int locations will be available for use within the GIS for air water human				

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## CSSA GIS TASKS Scope of Work Items

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Job No	. SOW or TIM ID	SOW or TIM Item Description	Parsons ES Assumptions or Action Nem(s)	Parsons ES Modified or Updated Assumptions	Parsons ES Cost Assumptions	Percent Complete	Comments
Meeti	ng Minutes Regar	ding_GIS				Complete	
	1	Teresa asked Brian murphy to prioritize input information.					]
	Kickoff Meeting 9/06/9	6					Brian Murphy prioritized.
		Parsons ES indicated that the TSSDS would be used for the GIS standards.	Tasks were prioritized by Brian Murphy.			100%	Bhan wurphy prioritized.
i		Parsons ES noted issues regarding analytical data integration.					
1		a sayucar data megrauon.	Future analytical data should be received in a specific electronic format so that it			·	
730396			can be easily imported into the GIS. Jo Jean Mullen suggested that Parsons ES.			Not Applicable	
		Brian Murphy requested information concerning recommendations of hardware	look into ERPIMS-type database that USCOE is developing.			NOT Applicable	-
(RL33)	TIM #1 2/13/97	requirements for using the GIS system.	Continue GIS data preparation and database design, start GIS "roadmap."				
						100%	
i i	TIM #2 4/15/98	Brian would like to add reminder flags to geographic information system (GIS)	Instruct GIS team to put BACT reminder flags into GIS.				
		for monthly bacteriological (BACT) sampling.	instruct GIS team to put BACT reminder flags into GIS.				
		Provide CSSA's GIS to EPA and TNRCC	Look into providing CSSA GIS and ArcView on CD to EPA.			0%	
			Cost and providing CSSA GIS and Arcview on CD to EPA.			0%	Not accepted by regulators.
		Brian asked # CSSA should continue to use Microsoft Access for their	Parsons ES responded to request and transferred data from Access to Microsoft			0%	
		database, or if they should switch to Microsoft SQL Server. David answered (that Access can handle a lot of data, but has trouble handling a lot of tables (and					Work efforts were
			satisfies the soliware was purchased by the government.				completed on DO RL83
	THU #1 2/14/00	ISSUS has hundreds of tables). David indicated that if CSSA sticks with					• • • • • •
		Access, many of the tables that aren't being used, and that CSSA will conhably				40004	
		never use, can be trimmed off. Brian requested that David prepare an estimate				100%	
734521 (RL74)		for what it would cost to migrate from Access to SQL Server.					
(RL/4)							
	TIM #3 8/10/99	Provide updates to GIS with groundwater data and have the groundwater					
		modeling programs tailored to allow interfacing with CSSA's GIS				0%	
		An emphasis on good graphical presentation of data and easy interfacion with				076	
		CSSA's GIS system.		1		0%	
	TIM #4 9/05/2000	The current GIS system requires Parsons ES to redefine task objects to visual basics to meet the moviment of the second states of the s					· · · · · · · · · · · · · · · · · · ·
		basics to meet the requirements of the expected new software.				0%	
		Brian Murphy indicated that he would like to remove the Web site from RL74					
· · · · ·	version meeting evaluate	scope and replace it with preparation of a graphical user interface using Viewal					
1		Basic to access the database.				100%	
736071	1	Parsons ES will create some forms for collecting building data, stormwater data,					
(RL83)		etc. to make that data collection easier for CSSA personnel.					
(((103))					1	50%	
i:	THM # 3 7/26/2000	Provide Access version of GIS database and all ArcView shape files on a CD to					
F		I om Gniffith (AFCEE) at the end of the meeting				100%	
ŀ	[f	Provide Jo Jean Mullen with live access to CSSA's GIS system.				100%	
	[E	Evaluated Petro View for potential applicability to CSSA's GIS.				0%	
						0%	